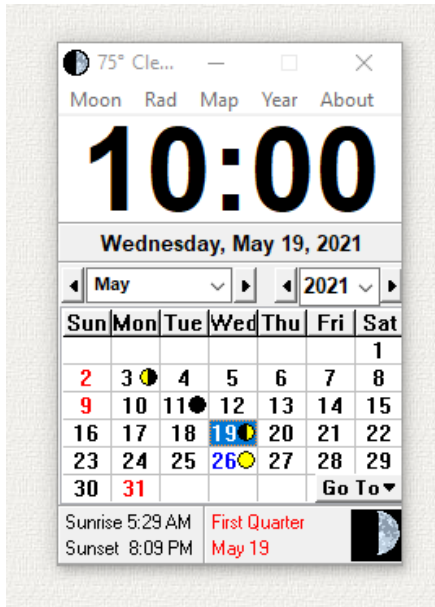


Software by Mike Robinson

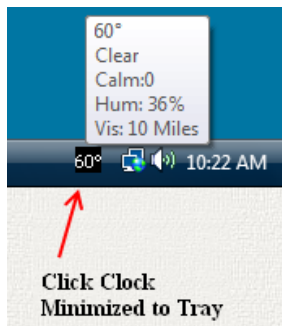
# Click Clock

Clock, Calendar, Weather, Astronomy, and much more

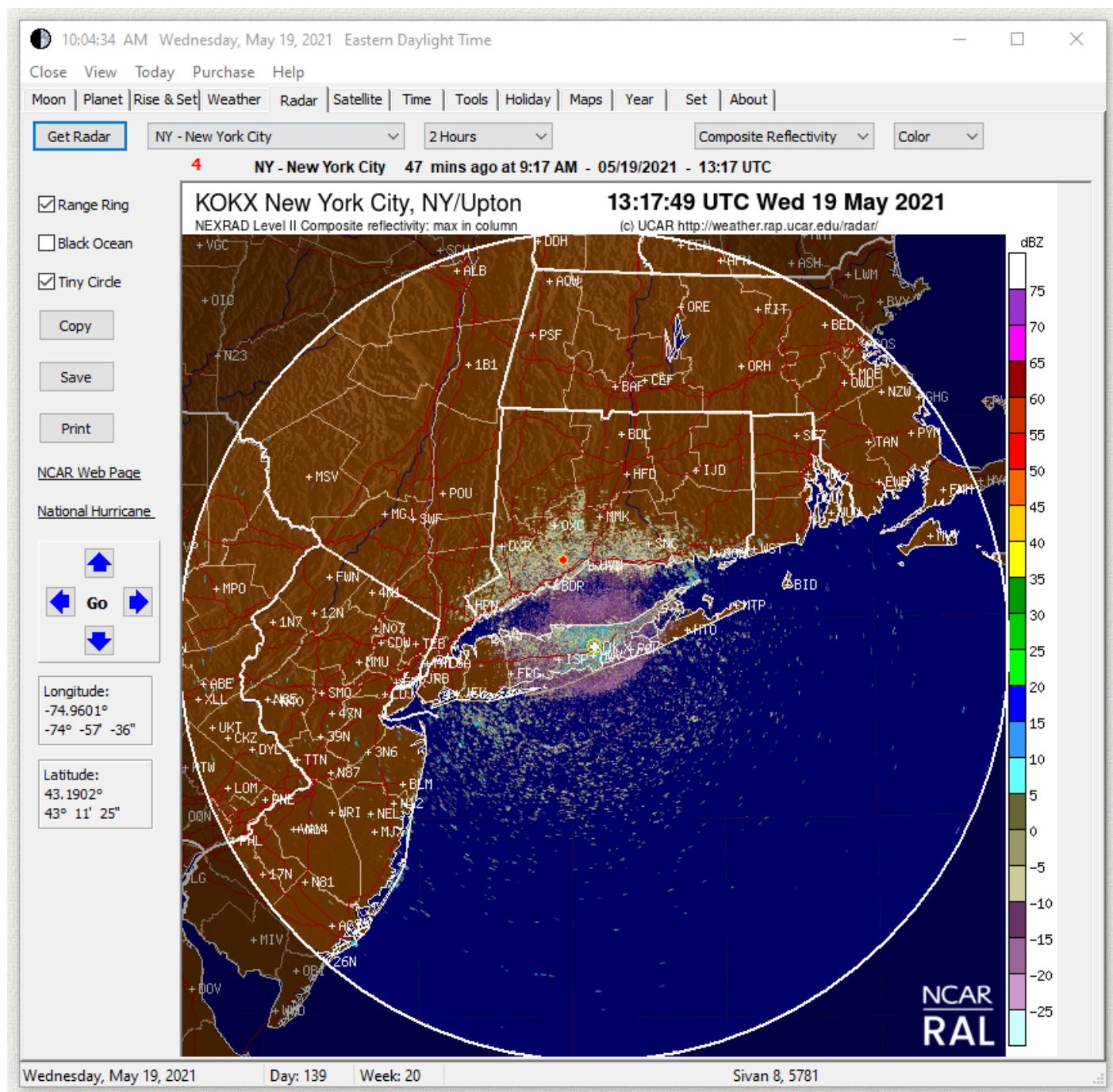


[Download](#) [Home](#) [Purchase](#)

ClickClock is an award-winning clock, calendar, weather, radar, satellite, and astronomy program. It provides easy access to all sorts of useful information. It shows your local temperature and weather at the top of the clock and in the Windows tray in the lower right desktop:



It also shows local weather, [NEXRAD](#) animated weather radar, [GOES](#) animated satellite images, date and time of sunrise, sunset, moonrise, moonset, equinoxes & solstices, moon phases, eclipses, meteor showers, daylight saving time, and 27 holidays.



It shows the location of the sun, moon, and all of the planets. It can display this information for any day from the year 1600 to 3429.

It also has links to maps, aerial photos, topographic maps, dictionary, thesaurus, images of the moon, meteor info, Google search, and a calculator.

It displays a picture of the current moon phase in the program, on the task bar, in the tray, and in the window icons. Just click on a day in the calendar and all of the info for that day are calculated and displayed. The images of the moon can be animated to show the changing phases. Even the tray icon can be animated.

It presents positions in the sky as a simple compass position and angle up from the horizon.

The main display is a clock and calendar showing one month but it also contains a calendar screen showing the entire year.

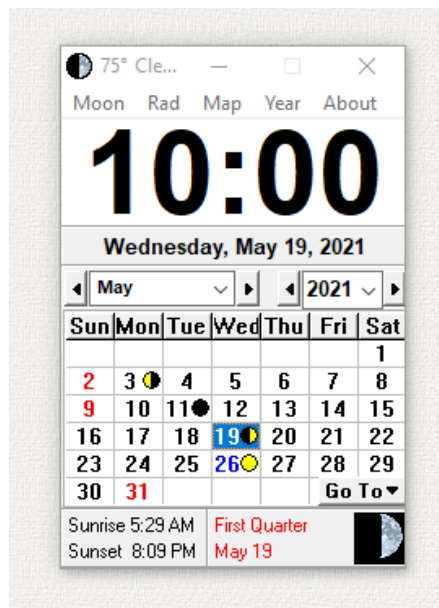
By double-clicking on the program, you can change its size and appearance, hence the name ClickClock.

The astronomy code in ClickClock is extremely accurate. All of the event times, such as sunrise and sunset, are accurate to within 1 minute of values published on the US Naval Observatory web site at <https://usno.navy.mil/USNO>. Click Clock is unique in that the calculation of rise and set times takes into account your altitude above sea level which can change these times by several minutes. It also has a unique graph of sunrise and set times throughout the entire year.

This is a 32-bit program and will run on Windows ME, NT, 2000, XP, Vista, Windows 7, Windows 8, and Windows 10. It also runs fine on 64-bit systems.

See the [bottom](#) of this page if you would like to [purchase](#) Click Clock for just **\$20.00** US Dollars. This trial version will operate for 14 days. If you purchase the program, I will send you a serial number by email that will enable continued operation with no time limit. Pay once and all future upgrades are free. Your serial number will work with all future versions. This demo version is fully functional. No features have been removed. It contains no spyware, no advertising. Here are some more screen shots showing all the features:

The following image is the main program screen showing all 4 panes. Starting at the top left there is a small icon that shows the phase of the moon. On the top line is the local temperature and weather conditions. Just below that is a menu for fast access to the moon/astronomy info, radar animation, maps of your area, the full year calendar, and the program about info. If you double-click anywhere in the main time or date panel the program will change size. On the top of the calendar section are two drop down combo boxes to select the month and year. To each side of these are small arrows pointing left and right. The left arrow moves the calendar to the previous month or year, and the right arrow moves to the next month or year. If you click on one of the dates in the calendar all of the moon/sun data is updated for that day. Both the month and full year calendar always show the same date. In other words, clicking on a date in one causes the other to change as well. The calendar shows each of the major moon phases by displaying a tiny moon icon on the day when that phase occurs. In the lower right corner of the calendar is a "Go To" button that pops up the menu shown where you can select one of 27 holidays and other special dates and the calendars will jump to that date. The bottom left panel shows the time of sunrise and sunset. Single click on this panel and the detailed sun info panel pops up. Click it again and the sun info panel closes. Also on the bottom is the time of moonrise and moonset and if you click that panel the detailed moon panel pops up or down. When the sun or moon is up the text in the panel is black. When the sun or moon is set the text color is blue. In the lower right corner is an image of the moon showing the phase. Hover the cursor over one of these lower panels and a summary of the sun or moon info is briefly displayed in a flyover hint panel.



The MOON panel shows the time and compass location of moonrise and moonset, the current compass position of the moon, the elevation angle of the Moon in degrees up from the horizon, a picture of the moon phase, whether or not the moon is up, the percentage of the moon that is lit (full moon = 100%) and whether the moon is new, quarter, or full. The position of the moon is updated every second. There is a radio button to select northern or southern hemisphere and all of the moon displays change when this button is clicked. Click the Animate Moon check box and watch the moon progress through all phases. There is a View Moon button that pops up your browser and goes to a site that shows exactly what the moon looks like today.

The SUN panel shows the time and compass location of sunrise and sunset, the current compass position of the sun, the elevation angle of the sun in degrees up from the horizon, whether or not the sun is up, and the length of daylight that day.

in hours and minutes (hh:mm). The position of the sun is updated every second. There is also a button to go to the US Naval Observatory (USNO) that provides many accurate astronomical facts and figures.

Along the right side are radio buttons for AM/PM time, 24-hour time, local time, or Greenwich Mean Time (also known as UTC Universal Coordinated Time). Click one of these and all of the displays are changed except the main time display will always be local AM/PM time. Below these are buttons to go to the previous day, today, the next day, and a drop-down button that pops up a menu to go to many different dates of holidays and astronomical events.

Below the moon panel are the **PHASES** of the moon for the month. If you click one of the moon phase buttons, the calendar moves to the date of that phase, and all of the displays are adjusted to that day.

Below the sun panel are the dates and times of the **EQUINOXES** and **SOLSTICES** for that year. Click one of these buttons (or titles) and the calendar moves to that date and the displays are adjusted.

Below that are the times of **DAYLIGHT SAVING TIME** in your location. It does this automatically anywhere in the world based on the settings in Microsoft Windows. If you click on one of the daylight saving buttons (red arrows) the calendar moves to the date of the start or end of daylight saving time and all of the displays are adjusted to that day.

On the bottom left are your location, latitude, longitude, and elevation in feet above sea level. Click the SET button to change these.

The screenshot shows the Click Clock application window. The title bar indicates the time is 10:07:38 AM on Wednesday, May 19, 2021, in Eastern Daylight Time. The window has a menu bar with options: Close, View, Today, Purchase, Help. Below the menu bar is a tabbed interface with tabs: Moon, Planet, Rise & Set, Weather, Radar, Satellite, Time, Tools, Holiday, Maps, Year, Set, About. The 'Moon' tab is selected.

**Moon on Wednesday, May 19, 2021**

- Moonset 1:58 AM 05/19/2021 Eastern Daylight Time
- Moon Sets at: 295.8° (NW)
- Moonrise 12:04 PM 05/19/2021 Eastern Daylight Time
- Moon Rises at: 66.7° (NE)
- Moon is set
- At Compass: 45.935° (NE)
- Above Horizon: -18.490°
- 50 % Full
- First Quarter
- ☐ Animate Moon
- ☒ Northern Hemisphere
- ☐ Southern Hemisphere
- [View Moon](#)

**Moon Phases May 2021**

- 05/03/2021 03:51 PM Last Quarter Eastern Daylight Time
- 05/11/2021 03:00 PM New Moon Eastern Daylight Time
- 05/19/2021 03:13 PM First Quarter Eastern Daylight Time
- 05/26/2021 07:14 AM Full Moon Eastern Daylight Time

**Sun on Wednesday, May 19, 2021**

- Sunrise 5:29 AM 05/19/2021 Eastern Daylight Time
- Sun Rises at: 62.4° (NE)
- Sunset 8:09 PM 05/19/2021 Eastern Daylight Time
- Sun Sets at: 298.0° (NW)
- Sun is up
- At Compass: 110.065° (E)
- Above Horizon: 49.695°
- [USNO Data](#)
- Day is 14:40 Hours Long

**2021 Equinoxes and Solstices**

- 03/20/2021 05:37 AM Mar Equinox Eastern Daylight Time
- 06/20/2021 11:31 PM Jun Solstice Eastern Daylight Time
- 09/22/2021 03:20 PM Sep Equinox Eastern Daylight Time
- 12/21/2021 10:59 AM Dec Solstice Eastern Standard Time

**2021 Daylight Savings Time**

- Sun Mar 14 02:00 AM Clock Ahead 1 H Start of Eastern Daylight Time
- Sun Nov 7 02:00 AM Clock Back 1 H Start of Eastern Standard Time

**Location for rise and set times**

Latitude: 41° 17' 53" North 41.29796°  
Longitude: 73° 4' 32" West 73.07560°  
Altitude: 157 Feet = 48 Meters [Set](#)

**Navigation and Settings**

- ☒ Local Time
- ☐ Greenwich Time
- ☒ AM PM
- ☐ 24 Hour
- [Prev Day](#)
- [Today](#)
- [Next Day](#)
- [Go To ▼](#)

**Status Bar**

Wednesday, May 19, 2021 Day: 139 Week: 20 Sivan 8, 5781

The PLANET panel shows the location in the sky of the sun, moon, and all the planets updated every 5 seconds. Click on the box at the top to change the coordinates displayed. Earth Surface Coordinates (Topocentric) are relative to your location on the surface of the earth. To find a planet in the sky look in the compass direction shown (Azimuth) at the angle in degrees up from the horizon shown (Altitude). If the angle is negative the planet is below the horizon. The compass



positions are true and are not corrected for the difference between magnetic north and true north. If you switch to Astronomical Coordinates, it shows all of the coordinates as relative to the center of the earth (Geocentric) as RA (Right Ascension in hours from the vernal equinox along the celestial equator) and Declination (in degrees from the equator). All of the coordinates are to the center of the target planet.

The METEORS panel shows the date of the peak of each of the 9 major [meteor showers](#) each year. Click on one of the buttons (or titles) and two things happen: your browser opens and goes to an external site with information about the meteor shower and the calendar jumps to the date of the meteor shower. The radio buttons allow you to select either of 2 external sites. There are usually meteors visible for several days before and after the peak date.

The ECLIPSES panel shows the time and date of every [solar](#) and [lunar](#) eclipse that year. Click on the box at the top to change from a summary view to a detailed view showing the time of each portion of the eclipse. Click on one of the buttons (or titles) and the calendar jumps to the date of that eclipse.

Click the text link [Get Sky Map](#) and your browser will open and go to a web site that shows the all the stars in a virtual image of the sky in your location.

Click the text link [US Naval Observatory](#) to go to that site.

The screenshot shows the Click Clock application window. The title bar indicates the time is 01:20:54 PM on Thursday, May 20, 2021, in Eastern Daylight Time. The window has a menu bar with options: Close, View, Today, Purchase, Help. Below the menu bar is a tabbed interface with tabs: Moon, Planet, Rise & Set, Weather, Radar, Satellite, Time, Tools, Holiday, Maps, Year, Set, About. The 'Planet' tab is selected.

**Planets on Thursday, May 20, 2021**

Radio buttons: ☒ Earth Surface Coordinates, ☐ Astronomical Coordinates. An icon of Saturn is shown.

	Compass	Angle
Sun	200.9° (S)	67.4°
Moon	74.9° (E)	0.1°
Mercury	139.1° (SE)	69.7°
Venus	160.1° (S)	70.5°
Mars	103.0° (E)	50.5°
Jupiter	262.6° (W)	-10.1°
Saturn	269.1° (W)	-26.1°
Uranus	228.5° (SW)	55.0°
Neptune	254.9° (W)	10.7°
Pluto	276.4° (W)	-42.2°

Angle in degrees up from the horizon.  
Negative angle = planet is below the horizon.  
Right click to copy to clipboard.

04:22:56  
Local Apparent Sidereal Time

**2021 Eclipses**

Radio buttons: ☒ Summary View, ☐ Detailed View. An icon of a total solar eclipse is shown.

- ☒ 05/26/2021 4:47 AM Lunar - Total Eastern Daylight Time
- ☒ 06/10/2021 6:41 AM Solar - Annular Eastern Daylight Time
- ☒ 11/19/2021 1:03 AM Lunar - Partial Eastern Standard Time
- ☒ 12/04/2021 2:33 AM Solar - Total Eastern Standard Time

**2021 Meteor Showers**

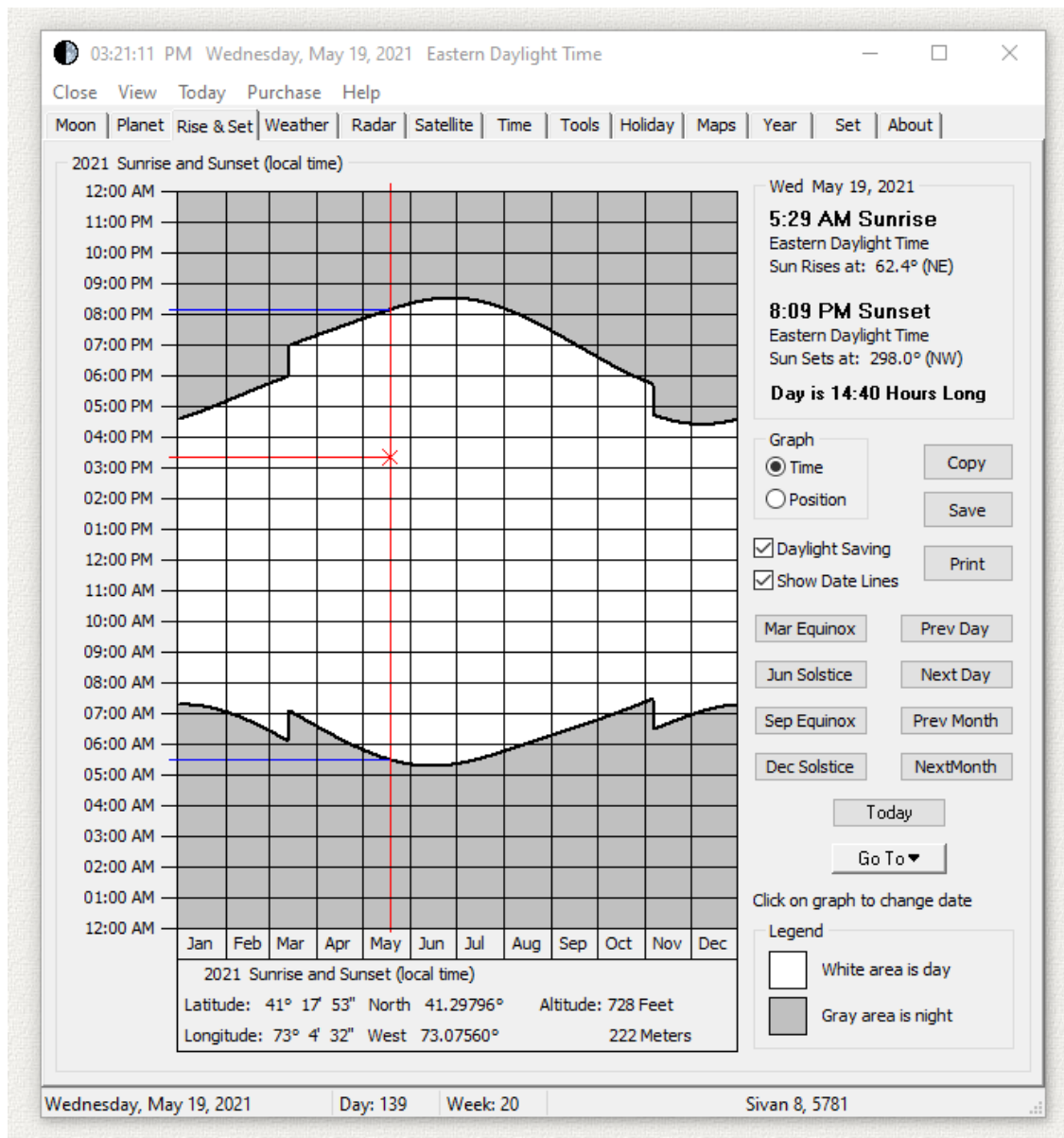
Checkboxes and links:

- ☒ Jan 3 - Quadrantids
- ☒ Apr 21 - Lyrids
- ☒ May 5 - Eta Aquarids
- ☒ Jul 28 - Delta Aquarids
- ☒ Aug 12 - Perseids
- ☒ Oct 20 - Orionids

[Get Sky Map](#)  
[US Naval Observatory](#)

Thursday, May 20, 2021 Day: 140 Week: 20 Sivan 9, 5781

The RISE & SET tab shows a unique display of the time (or location) of sunrise and sunset at your location throughout the entire year. Daylight hours are shown white, nighttime hours are gray. In the graph panel you can select the "Time" or "Position" circle. Click the checkboxes to show Daylight Saving time and lines that show the current date. Click on the graph and the calendars move to that date. Try the Equinox and Solstice buttons. Right click (or press the buttons) to copy, save, or print the graph.



The WEATHER tab uses the internet to download your local weather report from the [NWS](#) (National Weather Service). What you see is a simple web browser. Use the drop-down box to select a weather report type. Then press the Get Weather button to get your local weather. Once you are at a site you can move around as usual by clicking links. You can also enter any site you like on the URL address line and then press the Save Address button and ClickClock will always show that site when you go to this tab. Click the Open Browser button and your browser opens at the site.

02:27:57 PM Thursday, May 20, 2021 Eastern Daylight Time

Close View Today Purchase Help

Moon Planet Rise & Set Weather Radar Satellite Time Tools Holiday Maps Year Settings About

Get Weather

NWS Forecast

NWS Forecast

NWS Weather Front Maps

NWS National Forecast Map

NWS Weather Front Map

Metar Web Page

Metar Text

GOES Satellite Images

National Hurricane Center

Refresh Open Browser Save Address Back Fwd

2980&lon=-73.0756#.YKaps9DD\_4Z

GO

NATIONAL WEATHER SERVICE

AND ATMOSPHERIC ADMINISTRATION

Go

View Location Examples

Your local forecast office is

**New York, NY**

Additional Headlines

En Español

Share

Facebook Twitter Email Print

Current conditions at

**Bridgeport, Sikorsky Memorial Airport (KBDR)**

Lat: 41.16°N Lon: 73.13°W Elev: 3ft.

Fair

**69°F**

21°C

Humidity 41%

Wind Speed E 12 mph

Barometer 30.49 in (1032.3 mb)

Dewpoint 44°F (7°C)

Visibility 10.00 mi

Last update 20 May 1:52 pm EDT

More Information:

[Local Forecast Office](#)

[More Local Wx](#)

[3 Day History](#)

[Mobile Weather](#)

[Hourly Weather Forecast](#)

Thursday, May 20, 2021 Day: 140 Week: 20 Sivan 9, 5781

The RADAR tab downloads a [NEXRAD](#) (NEXt-Generation Weather RADar) map. USA locations only. Select your location in the top left drop-down box. Use the other 3 drop-down boxes to select number of hours, radar type, and color of the display. Then press the Get Radar button. Right click, or press the buttons, to copy, save, or print the image.

Use the left check boxes as follows:

**Range Ring** - Displays a bright white range ring showing the limit of the area covered by that radar.

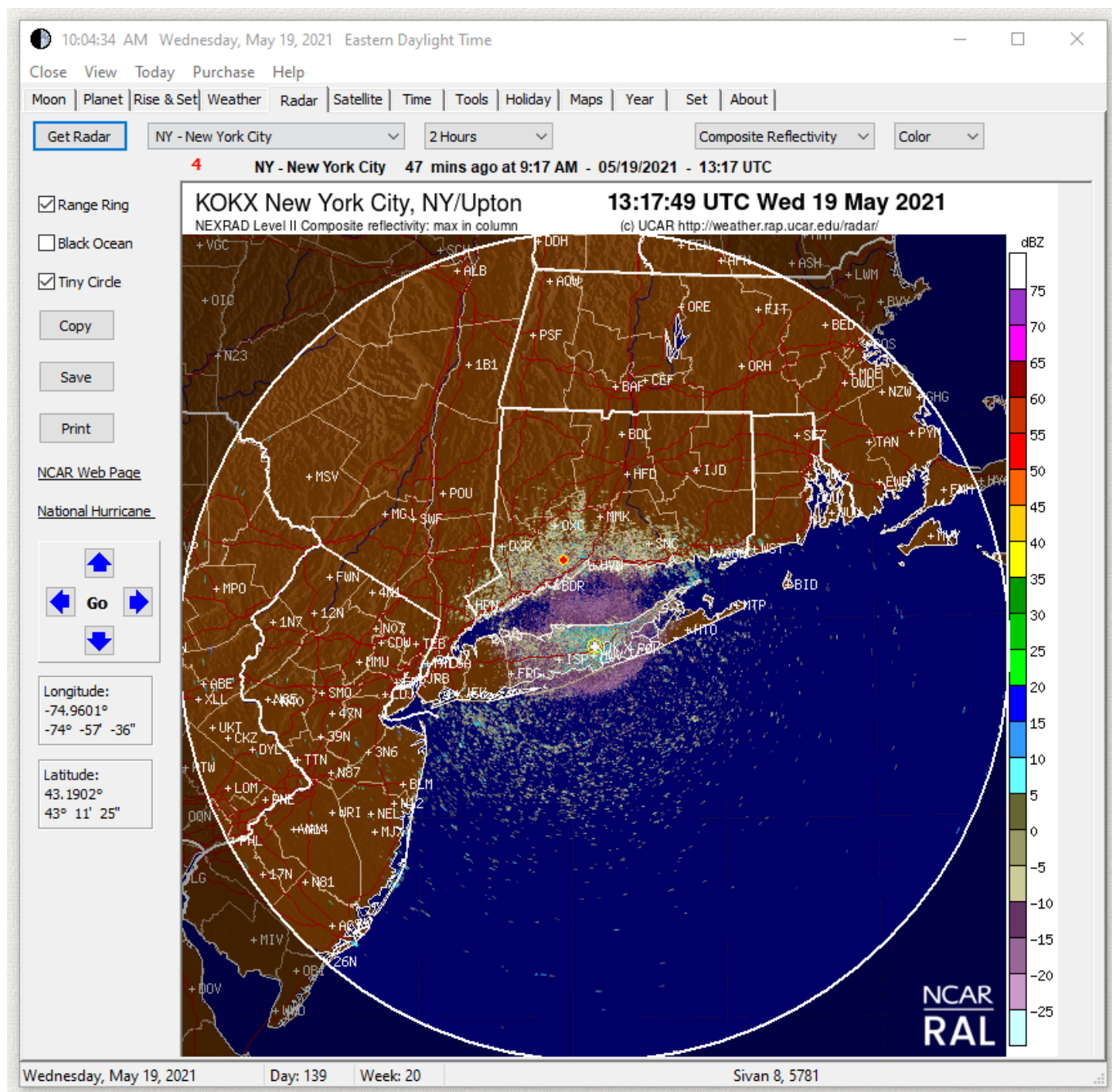
**Black Ocean** - If any ocean is in the view, it is displayed in black.

**Tiny Circle** - Shows a tiny circle at your location and at the center of the radar.

The text link [NCAR Web Page](#) opens your browser to the NCAR radar source site. National Hurricane goes to the [NWS Hurricane Center](#).

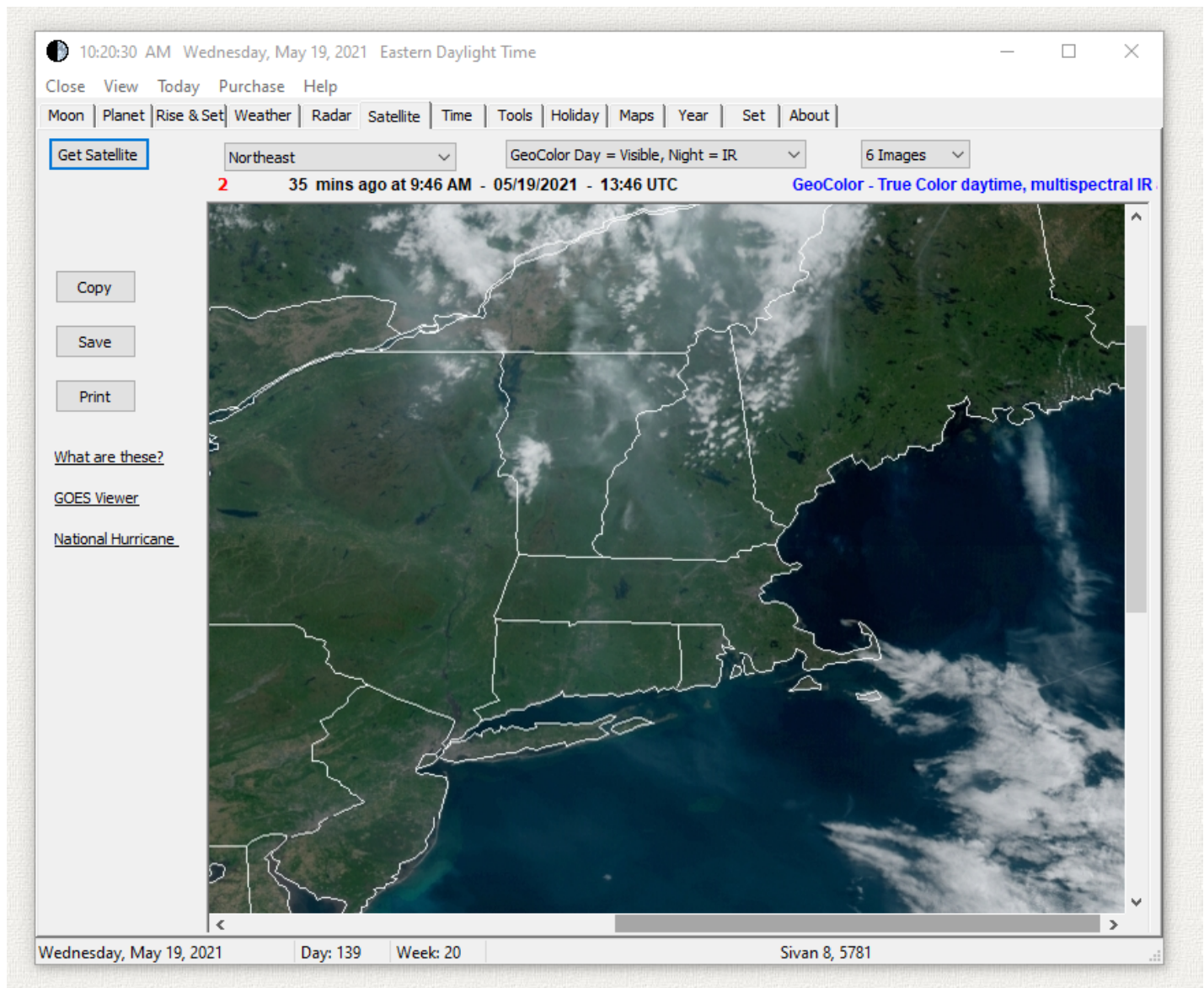
Click one of the blue arrows to move to the nearest radar in that direction.

As you move your mouse around over the radar image the latitude and longitude of the cursor position is continuously updated on the bottom of the screen. Enter the latitude/longitude of your location in the Settings tab and the tiny circle will be displayed at that location.



The SATELLITE tab downloads an [GOES](#) (Geostationary Operational Environmental Satellite) image from the [NOAA](#) (National Oceanic and Atmospheric Administration). USA only. Use the drop-down boxes to select a location, image type, and number of hours. Then press the Get Satellite button. Right click, or press a button, to copy, save, or print the image.





The TIME tab shows the local time, the time at Greenwich ([GMT also known as UTC](#)), and the time at 7 widely separated major cities around the world. All updated once per second.

Click the Get Time button to get the exact time from the selected internet time server.

The [World Clock](#) button opens your web browser and goes to the World Clock web site with lots of information about the time in hundreds of different places around the world.

The screenshot shows the ClickClock application window. The title bar indicates the time is 03:12:33 PM on Thursday, May 20, 2021, in Eastern Daylight Time. The menu bar includes Close, View, Today, Purchase, and Help. Below the menu bar is a tabbed interface with tabs for Moon, Planet, Rise & Set, Weather, Radar, Satellite, Time (selected), Tools, Holiday, Maps, Year, Settings, and About. The main content area is divided into several sections:

- Time Now:** Displays the current time (03:12:33 PM) and date (Thursday, May 20, 2021) in Eastern Daylight Time (GMT - 4). It also shows the time in Greenwich Time (GMT = UTC) as 07:12:33 PM, the Local Apparent Sidereal Time as 06:14:53, and the Julian Date as 2459355.30039.
- Internet Time Server:** Shows the Time Server as time.nist.gov, the TimeStamp as 5/20/2021 3:12:29 PM, and the Time Difference as -0.875 Seconds. A Get Time button is present.
- World Clock:** A button to view world clock information.
- World Time:** A list of cities and their current times:
  - Honolulu (GMT - 10): 09:12:33 AM Thursday, May 20, 2021
  - Los Angeles (GMT - 7): 12:12:33 PM Thursday, May 20, 2021
  - New York (GMT - 4): 03:12:33 PM Thursday, May 20, 2021
  - Amsterdam (GMT + 2): 09:12:33 PM Thursday, May 20, 2021
  - New Delhi (GMT + 5.5): 12:42:33 AM Friday, May 21, 2021
  - Tokyo (GMT + 9): 04:12:33 AM Friday, May 21, 2021
  - Auckland (GMT + 12): 07:12:33 AM Friday, May 21, 2021

The status bar at the bottom shows the current date (Thursday, May 20, 2021), Day: 140, Week: 20, and Sivan 9, 5781.

SET your latitude and longitude on the following SETTINGS1 sheet. A database of thousands of places is included in the file [SITENAME.DAT](#). ClickClock automatically reads this file if it is located in the same folder.

If you are in the USA just enter your ZIPCODE in the box at the top. Or you can pick a city near you in the drop-down list. Either way ClickClock looks up the longitude, latitude, and altitude. You can also type in your latitude and longitude yourself. Then click the save button and the data will be saved.

If you do not choose a location, then ClickClock tries to guess where in the world you are located and picks the nearest large city and assumes you are there. For example, if your time zone (in MS Windows) indicates that you are 0 hours offset from GMT it puts in the latitude and longitude for London England. Perhaps you are not there exactly but it should be close to where you are. You can then choose a closer city on this sheet or type in your precise coordinates.

You can also browse through the cities, click a city, and on the bottom, it shows the distance to that city from your location and the distance between the last two cities selected. Press the Get Weather button to get the current weather conditions from a global [METAR](#) site. Then press Save in the Airport for Temperature and Weather box and this METAR site will be used to update the local temperature display in the tray and the top of the main program.

10:26:53 AM Wednesday, May 19, 2021 Eastern Daylight Time

Close View Today Purchase Help

Moon Planet Rise & Set Weather Radar Satellite Time Tools Holiday Maps Year Set About

Settings1 Settings2

Find City by 5 digit Zip Code (USA only)

Zip Code: 11405 Find City

Select Location

United States Country

New York State

Ithaca  
Jackson Heights  
Jacksonville  
Jamaica  
Jamesport  
Jamestown  
Jameville  
Jasper  
Java Center  
Java Village  
Jay  
Jefferson  
Jefferson Valley  
Jeffersonville  
Jericho  
Jewett

Location Used to Calculate Rise/Set Times and Get Maps

Jamaica, NY Name

Longitude: -73.87 Latitude: 40.65 Altitude Feet: 10

W = Negative N = Positive

Save

Airport for Temperature and Weather

New York, Kennedy Airport NY Name

Save KJFK Code

Closest Airport Weather Conditions

KENNEDY INTERNATIONAL AIRPORT, NY, United States (KJFK) 40-38N 073-46W 9M  
May 19, 2021 - 09:51 AM EDT / 2021.05.19 1351 UTC  
Wind: from the N (360 degrees) at 14 MPH (12 KT):0  
Visibility: 10 mile(s):0  
Sky conditions: mostly clear  
Temperature: 80.1 F (26.7 C)  
Dew Point: 46.9 F (8.3 C)  
Relative Humidity: 31%  
Pressure (altimeter): 30.31 in. Hg (1026 hPa)

Get Weather

May 19, 2021 - 09:51 AM EDT Last Time Stamp  
May 19, 2021 - 10:26 AM Last Download

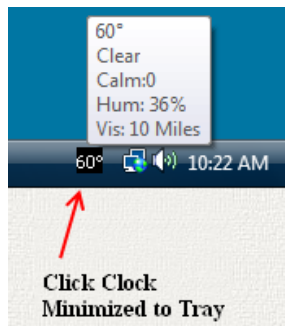
Copy Text

Save Text

Print Text

Wednesday, May 19, 2021 Day: 139 Week: 20 Sivan 8, 5781

The SETTINGS2 sheet is shown below. The Internet Weather Server supplies the temperature and weather conditions you see in the tray on the lower right like this:



This is the same as the weather report on the lower left of the SETTINGS1 tab above. Check the boxes to retrieve the weather at startup and/or periodically such as every 20 minutes.

In the settings box, I recommend checking the boxes for "Minimize to Tray" and "Tray Temperature." Then you can see your temperature throughout the day in the tray on the lower right of your screen near the clock. When you need information just right click on the temperature and select from the menu.

**Minimize to Tray** - When minimized the program will only appear in the tray on the lower right and will not appear on the taskbar on the bottom. Check one of the tiny circles to select the type of tray icon. It can be the temperature, the phase of the moon, or a constantly running animation of the moon phases.

**Show Holidays** - Highlights the US holidays in the month and year calendars.

**Show Tiny Moons** - Shows tiny moon phase icons on the month calendar.

**Start Minimized** - This program will minimize itself when it starts.

**Save Settings On Exit** - Setup the program the way you like it. Check this box and close the program. Then start the program and uncheck this box. Now the program will open the same way every time you start it. The program remembers the location on the screen and the tab selected.

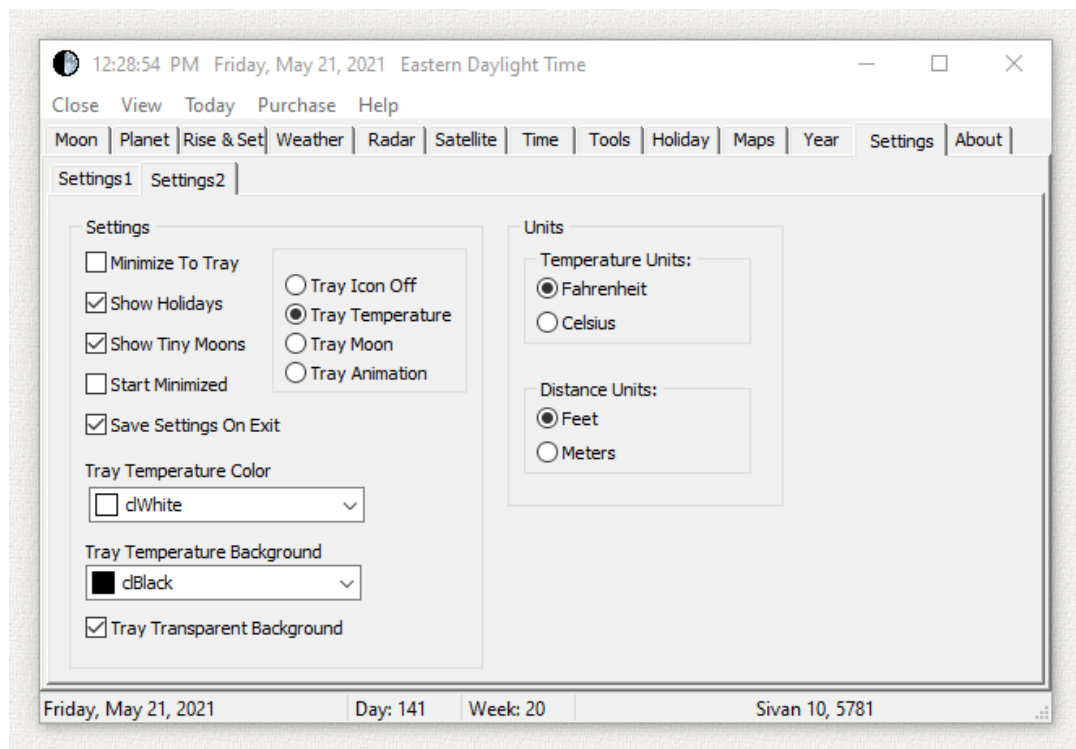
**Tray Temperature Color** - Set the text color of the temperature display in the Tray.

**Tray Temperature Background** - Set the background color of the temperature display in the tray. This option does nothing if the Tray Transparent Background box below is checked.

**Tray Transparent Background** - Make the background of the temperature display in the tray transparent. The back ground color then becomes whatever color or color gradient is shown in your tray. If this box is not checked the background will be the color selected in Tray Temperature Background above.

**Temperature Units** - Set Fahrenheit or Celsius

**Distance Units** - Set Feet or Meters.



The popup full YEAR calendar is below. Click on any day here and the smaller main month calendar on the main form also moves to this date and all the displays are adjusted. The calendar can be adjusted to start on any day of the week and to show the week numbers. Click on any day and the number of days from today is shown on the bottom left. On the bottom are the day number and week number of the day selected. Holidays are shown in a bold font. Right click, or press buttons, to copy, save, or print the image of the entire calendar.



03:04:03 PM Wednesday, May 19, 2021 Eastern Daylight Time

Close View Today Purchase Help

Moon Planet Rise & Set Weather Radar Satellite Time Tools Holiday Maps Year Set About

Start Week: Sunday Copy 2021 Save ☐ Week Numbers Print Today

January 2021							February 2021							March 2021						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
27	28	29	30	31	1	2		1	2	3	4	5	6		1	2	3	4	5	6
3	4	5	6	7	8	9	7	8	9	10	11	12	13	7	8	9	10	11	12	13
10	11	12	13	14	15	16	14	15	16	17	18	19	20	14	15	16	17	18	19	20
17	18	19	20	21	22	23	21	22	23	24	25	26	27	21	22	23	24	25	26	27
24	25	26	27	28	29	30	28							28	29	30	31			
31																				

April 2021							May 2021							June 2021						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3							1			1	2	3	4	5
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30			
							30	31												

July 2021							August 2021							September 2021						
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3											1	2	3	4
4	5	6	7	8	9	10	1	2	3	4	5	6	7	5	6	7	8	9	10	11
11	12	13	14	15	16	17	8	9	10	11	12	13	14	12	13	14	15	16	17	18
18	19	20	21	22	23	24	15	16	17	18	19	20	21	19	20	21	22	23	24	25
25	26	27	28	29	30	31	22	23	24	25	26	27	28	26	27	28	29	30		
							29	30	31											

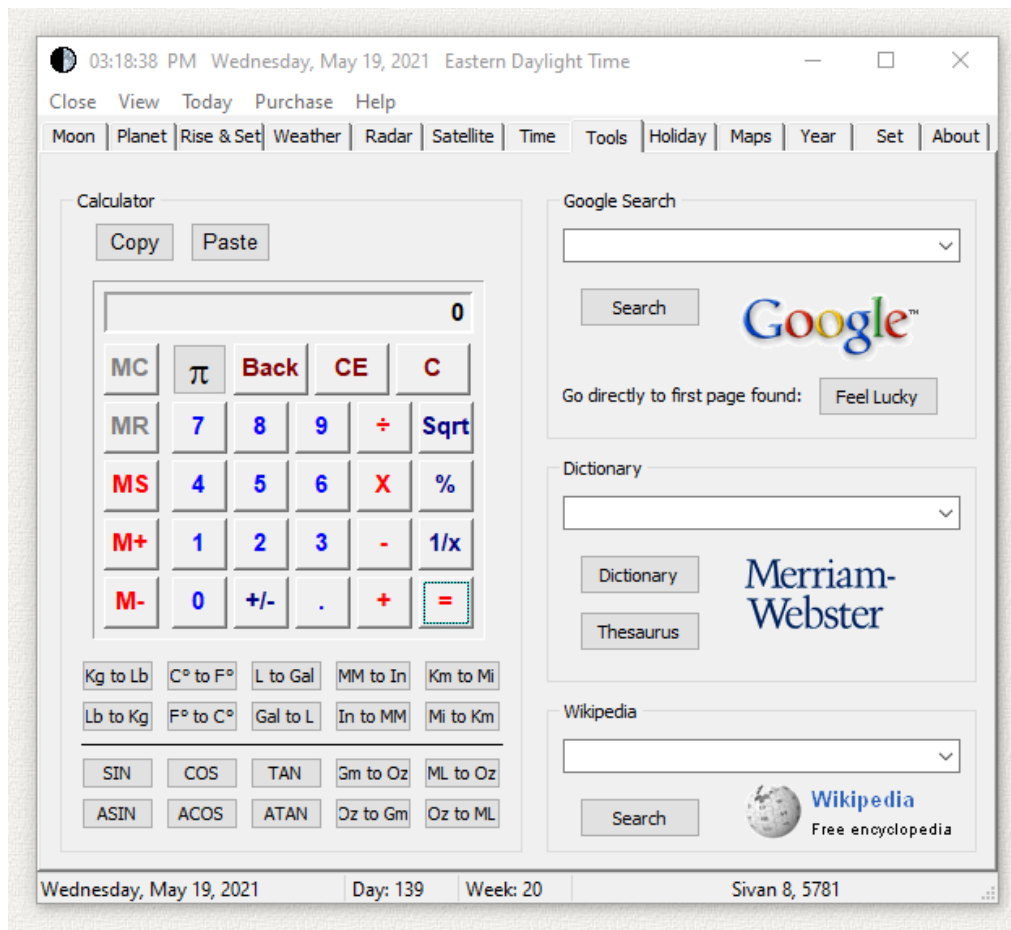
October 2021							November 2021							December 2021							
Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	
					1	2			1	2	3	4	5	6				1	2	3	4
3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11	
10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18	
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25	
24	25	26	27	28	29	30	28	29	30					26	27	28	29	30	31	1	
31														2	3	4	5	6	7	8	

Today: 5/19/2021

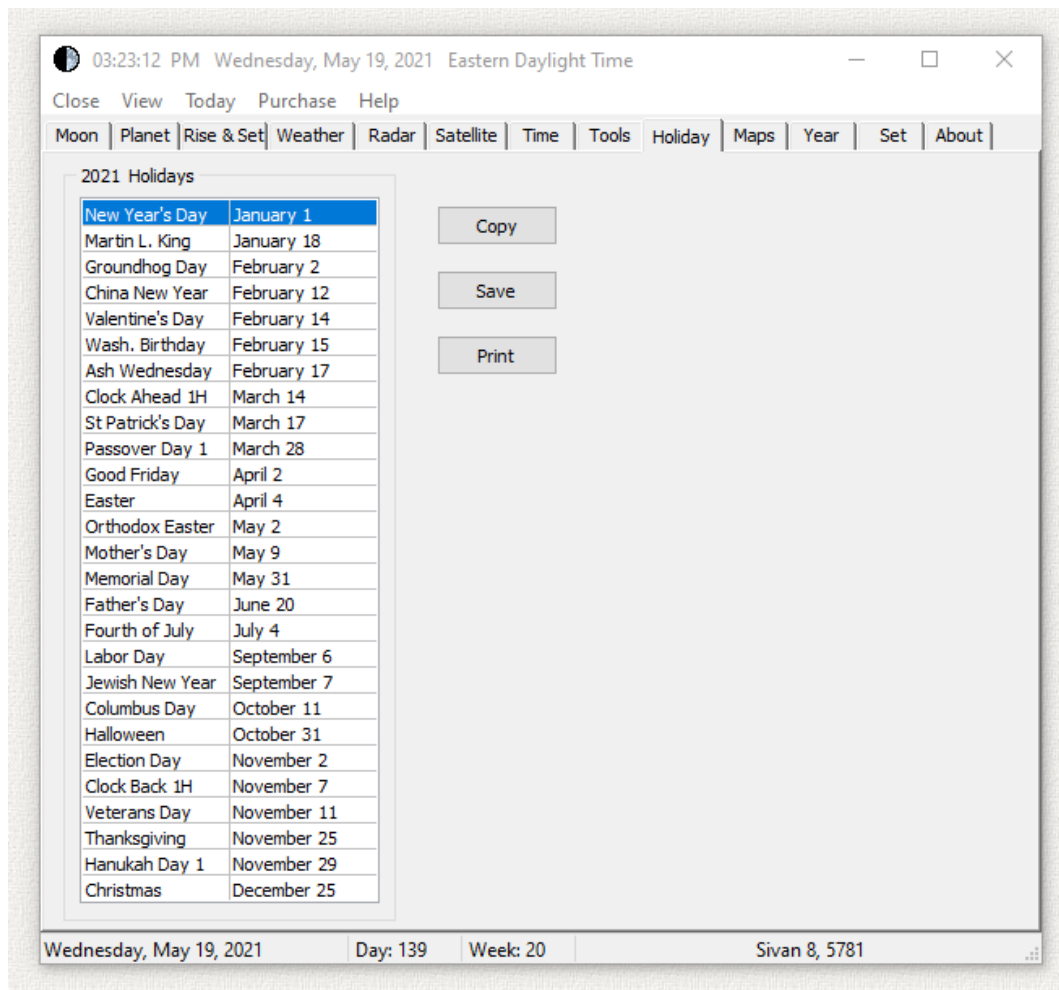
Wednesday, May 19, 2021 is 0 days from today. Wednesday, May 19, 2021  
 Wednesday, May 19, 2021 is 0 working days from today. First Quarter

Wednesday, May 19, 2021 Day: 139 Week: 20 Sivan 8, 5781

The TOOL tab has a handy calculator. Right click, or press buttons, to copy or paste numbers to or from the Windows clipboard. It also has Google Search, a dictionary, and a thesaurus. These automatically open your browser to do a Google Search or lookup the word on the Merriam Webster web site.



The HOLIDAY tab shows all the US holidays for the entire year. Click on one of these and the displays change to the date of that holiday. If you change the date to another year, these holidays update for that year. Right click, or press buttons, to copy, save, or print this list of holidays in text format.



The MAPS tab can be used to get a map of your area from many locations on the web. The program already knows your latitude and longitude used for the location of the sun, moon, and planets. Click the Get Map button and it opens your browser and sends your coordinates to one of the map sites and retrieves a map of your area.

The GeoHack site (at the top of the list) has links to many other map sites.

AppleMaps uses a workaround through DuckDuckGo to display AppleMaps on a PC where they are not usually available.

03:25:40 PM Wednesday, May 19, 2021 Eastern Daylight Time

Close View Today Purchase Help

Moon Planet Rise & Set Weather Radar Satellite Time Tools Holiday Maps Year Set About

Map Site

☐ GeoHack (All Sites)

☐ Google Maps

☐ Google Satellite

☐ Bing Maps

☐ Bing Satellite

☐ Apple Maps

☐ MapQuest

☐ Open Street Map

☐ WkiMapia

☐ Zoom Earth

☐ TopoZone (USA)

☐ FlightAware

☒ FlightRadar24

Get Map

Open Map in Browser

Location for maps

Longitude

-73.07560

Latitude

41.29796

Apple Maps Only

City

Shelton

State

CT

Wednesday, May 19, 2021

Day: 139

Week: 20

Sivan 8, 5781

In several places there are buttons that say "GO TO" with a small arrow pointing down. Click on this button and a menu pops up where you can select any one of the following holidays. They are shown in approximate chronological order:





Click on one of these menu items and both the month and year calendars jump to that date. Very useful for holidays such as Easter that happen at a different time every year. ClickClock can tell you the date of Easter in every year from 1600 to 3429. The menu also displays options to jump to the date of:

All equinoxes and solstices that year.

All moon phases that month.

All solar and lunar eclipses that year.

All meteor showers that year.

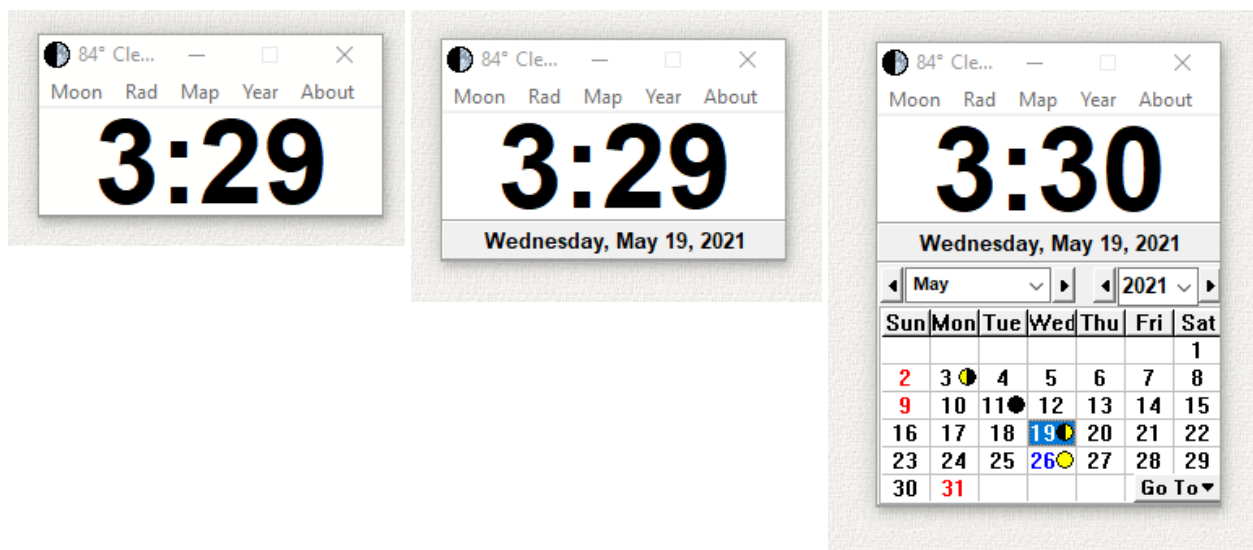
Date of change to/from daylight saving time in your time zone.

Today. Useful to get back to today after jumping to other dates. ClickClock will automatically jump back to today if you don't manually pick a different day for 5 minutes.

When ClickClock closes it remembers all of its settings in the Windows Registry.

### Why is the program called Click Clock?

Each time you double-click it adds pieces to the bottom and shows more information. Choose the display you like and it will appear that way every time you start the program. It will also appear in the same location on your screen.



## Install

If you run the install program, I recommend that you do so as an Administrator on that computer.

Run the program [clickclock-setup.exe](#) to install the program. The install program will overwrite any previous version so you are not required to uninstall older versions. The install program will create a folder, copy all the files to the folder, and create shortcuts on the desktop and the start menu.

An alternate install method is to download 2 files and copy them to a folder you create for this program. You need these 2 files:

[clickclock.exe](#) - This is the executable program.

[sitename.dat](#) - This file contains the latitude and longitude of thousands of cities around the world. The program reads this file and allows you to select your location. Place this sitename.dat file in the same folder with the program executable file clickclock.exe. The program will also run without this file. If you know your latitude and longitude you can type them into the program manually. The program uses your location to calculate the time of sun/moon rise/set and the positions of the planets in the sky. This database also contains the web locations of US weather reporting stations so you may want it for this reason as well.

I have also packaged all the files in a single zip file that you can download in one shot:

[clickclock.zip](#)

The Open SSL Shared Library files (libeay32.dll and ssleay32.dll) are no longer required.

You can also manually create your own [Desktop Shortcut](#) or other shortcut links.

## UnInstall

Open Windows Control Panel, select Programs and Features, select the program in the list of programs, and click the uninstall button, or right click on the program and select Uninstall in the menu. The Windows uninstall system will then run and remove the program. These steps are for Windows 10 and may be slightly different in other Windows versions.

If you installed the program manually then delete the files to uninstall the program, and also delete any Desktop Shortcut or other shortcut links.

Then delete this entire key in the [Windows Registry](#):

HKEY\_CURRENT\_USER\SOFTWARE\Michael\_Robinson\ClickClock

## Legal Stuff

This program is Copyright © 2000 Michael Robinson. All Rights Reserved. Use this program at your own risk. If you purchase this program, and are not satisfied with it for any reason, I will refund your money. You may give this file away

free, but you may not sell it. It must be distributed as a package along with all files. Modification of the executable file is prohibited.

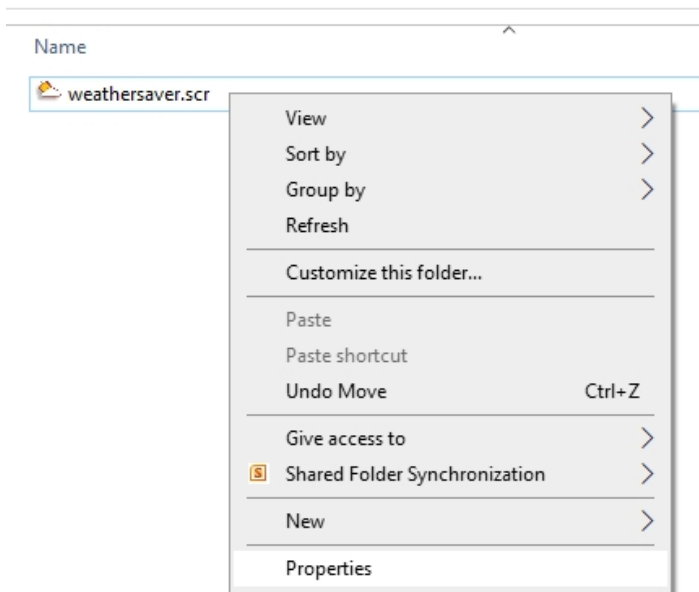
## Revision History

2.3.0 Sep 30, 2006 Updated for new NWS radar.  
2.3.7 Feb 18, 2007 Updated for Windows Vista.  
2.3.8 Mar 03, 2007 More Windows Vista updates.  
2.4.0 Apr 22, 2007 New compiler for Vista.  
2.5.0 May 05, 2007 Tray temperature color options.  
2.6.0 Jun 10, 2007 Added more satellite views.  
2.7.0 Jul 28, 2007 Multi-thread for faster loading.  
2.7.2 Aug 25, 2007 New NWS radar warning messages & colors.  
2.7.6 Jan 25, 2008 Updated/added map & other links.  
2.8.0 May 12, 2008 Long range radar fixed.  
2.9.0 May 26, 2008 Fixed serial number check on paid copies.  
2.9.4 Jun 15, 2008 Added more satellite views, fixed calculator.  
2.9.5 Jun 20, 2008 Added UK satellite views.  
2.9.6 Aug 11, 2008 Fixed radar flash flood text warning.  
2.9.7 Jul 19, 2009 Fixed serial number check on paid copies.  
2.9.8 Sep 15, 2012 New NWS radar server address.  
2.9.9 Nov 22, 2012 Updated weather & map links.  
3.0.0 Jan 30, 2013 Fixed daylight time Central America.  
3.0.1 Jul 13, 2013 Fixed divide by zero error in get weather.  
3.0.4 Aug 16, 2016 New NWS weather/temperature server address.  
3.1.0 Mar 06, 2017 New NWS Radar Server SSL protocol.  
3.2.0 Apr 14, 2018 Fixed NWS Radar.  
3.3.0 Feb 08, 2019 Fixed tray temperature display.  
4.0.0 May 25, 2021 Huge Rewrite of Everything - New radar, satellite, links.  
4.0.1 Aug 09, 2021 Digitally Signed clickclock.exe and clickclock-setup.exe.  
4.0.2 Mar 06, 2022 Bug fix.  
4.0.3 Jan 12, 2023 Fixed save of Latitude/Longitude/Airport for weather.  
4.0.4 Feb 04, 2023 Fixed save setting (Local/GMT) and (AmPm/24Hour) time.

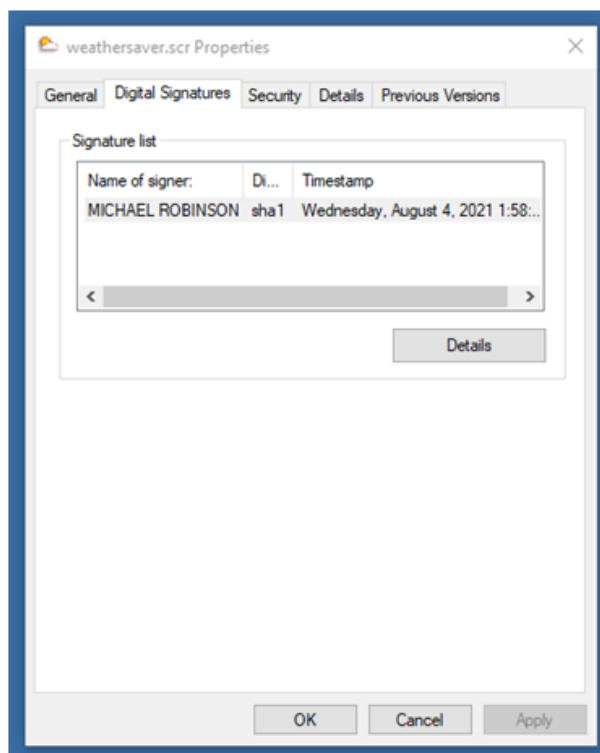
## Digital Signature

I purchased a [Code Signing](#) Certificate from [Certificate Authority \(CA\)](#) company [Sectigo](#) and used it to digitally sign (and timestamp) program executable file clickclock.exe and install program clickclock-setup.exe. The signature says it was signed by MICHAEL ROBINSON. Code Signing proves that the program actually came from me and has not been modified by a hacker since it was signed.

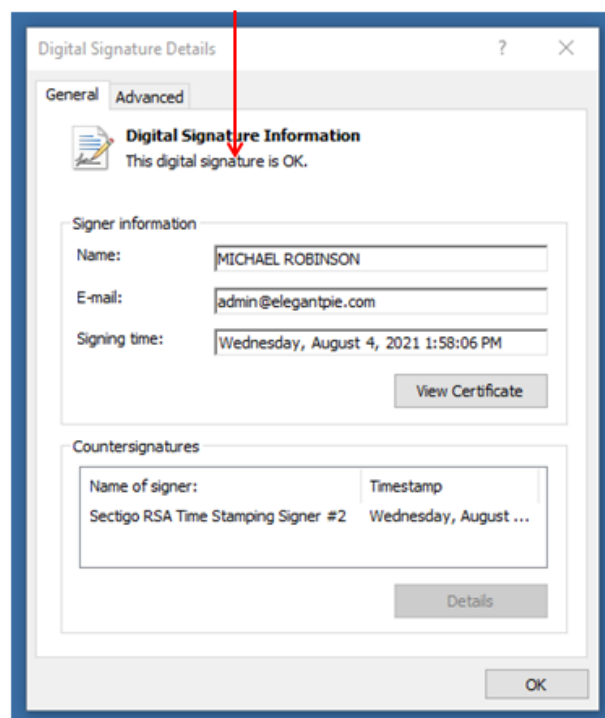
Run Windows File Explorer (explorer.exe) right click on the file and select Properties:



Then click on the tab Digital Signatures, and click the Details button:

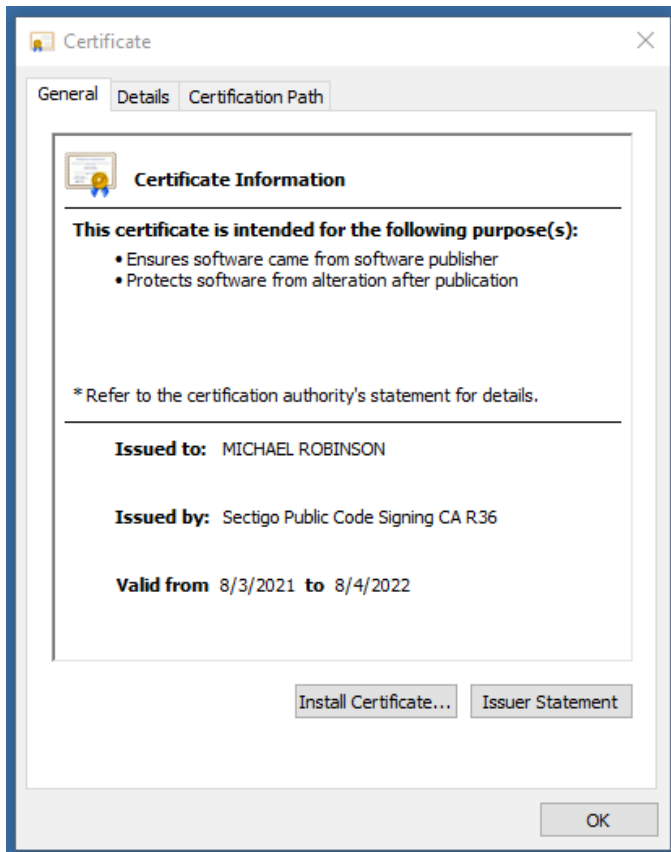


VERIFY



Then click the View Certificate button to see my certificate:





If even one byte is changed, either in the file or in the signature, the signature will show as [invalid](#) in the file properties.

---

### [Purchase](#)

If you purchase this program, and are not satisfied with it for any reason, I will refund your money.

This trial version will operate for 14 days. If you purchase the program, I will send you a serial number by email that will enable continued operation with no time limit. Pay once and all future upgrades are free. Your serial number will work with all future versions. This demo version is fully functional. No features have been removed. It contains no spyware, no advertising.

The purchase price is **\$20.00** US Dollars. I accept major credit cards, [PayPal](#), or personal checks. Press one of the links below and your browser will open and go to PayPal with all the purchase information already filled out. You can use PayPal to pay by credit card even if you do not have a PayPal account. The total cost to you is \$20.00. No fees. Use your Visa, Mastercard, American Express, or Discover card.



Use your [Credit Card](#) or



send payment by [PayPal](#) payable to: ElegantPie@HotMail.com

Or send personal check or money order payable to Michael Robinson

Michael Robinson  
PO Box 95  
Shelton, CT 06484



I am PayPal Verified. My Account Creation Date is May 30, 2000. Yes, I have been using this PayPal

account for over TWENTY years.

The Official PayPal Verified Seal above means that I have provided PayPal with proof that I have a bank account and that my address is valid. Banks are required by law to screen account holders so PayPal's verification process increases security when you pay parties you do not know. My bank has my address and Social Security number on file. I have been using PayPal for over 20 years.

I use PayPal because the fees are low. If you send me \$20.00 PayPal only takes about \$1.00 so I net \$19.00. All other payment services take several dollars so I would have to charge around \$25 for my program to gain the same net. This lowers the cost to you. PayPal is usually free for most transactions, such as Ebay auction payments, but as a business I am required to have a Premier Account with fees. If you do not have a PayPal account, you can still use PayPal to make a payment using your credit card. PayPal does not charge you any fees for this. PayPal is a very secure and reliable payment system used by millions of people around the world.

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