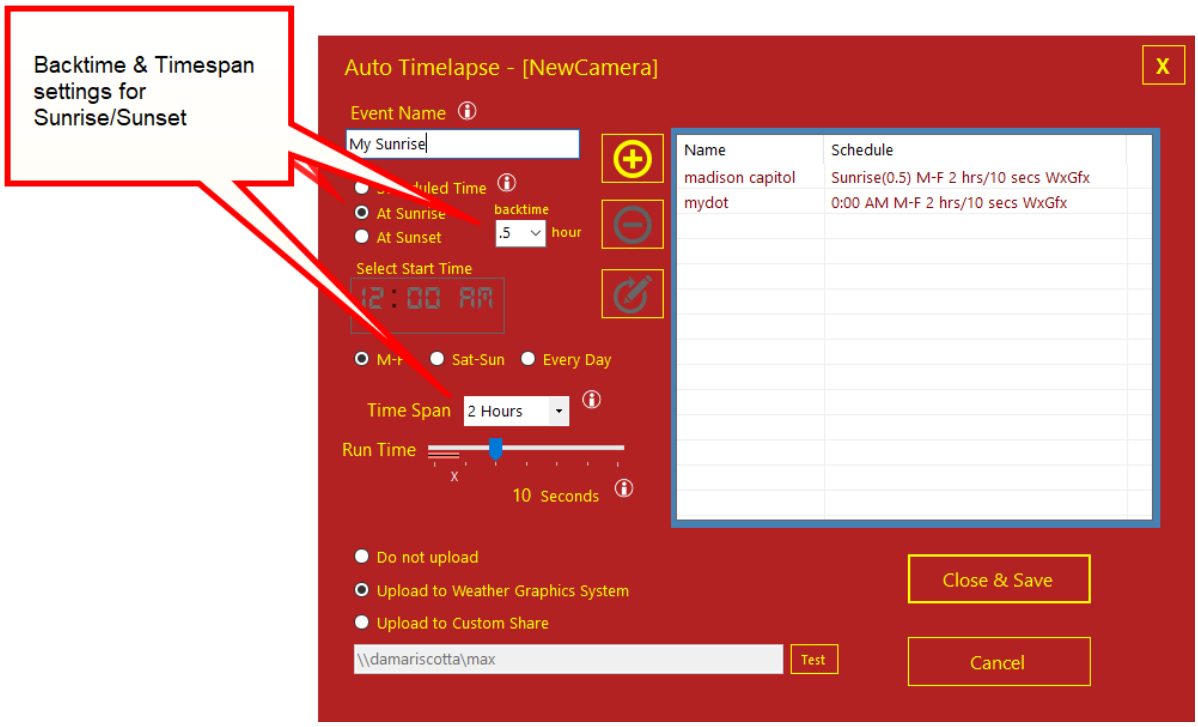
Videstra® Timelapse Scheduler – Sunrise/Sunset Guide

When setting up a timelapse for sunrise or sunset in the Timelapse Scheduler you should fully understand how the settings affect the period covered by the timelapse and when the movie will be ready for use.

There are three elements of a sunrise or sunset schedule:

1. Sunrise or Sunset must be selected
2. The Backtime
3. The Time Span



If an event is scheduled for sunrise or sunset here is how it works:

Sunrise and Sunset occur at different times each day. These events can vary by several minutes each day.
The rules for timing and capture of these movies are the same regardless of whether it is for a sunrise or sunset. The following discussion is an example of a scheduled sunrise event.

When you schedule a timelapse for sunrise you will set the Backtime and the Time Span.
Sunrise minus Backtime is the time for the earliest frame in the movie.
For Example:
If Sunrise is at 6:30 AM and you set the Backtime to 1 hour then the first frame in the movie will be for 5:30 AM.
We must set the Timespan for the event. This is the timeframe you want the timelapse to cover. This setting also directly affects when the movie is made and when it will be ready. Typically, a movie is ready about 1 minute after the scheduler starts to make it.

If you set the schedule to cover a Time Span of 2 hours the Timelapse Scheduler will make the movie at 7:30 AM.

Formula

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Sunrise – Backtime + Timespan = Timelapse will be ready
   ↓          ↓          ↓            ↓
[6:30 AM] – [1 hour] + [2 hours] = [7:30 AM]
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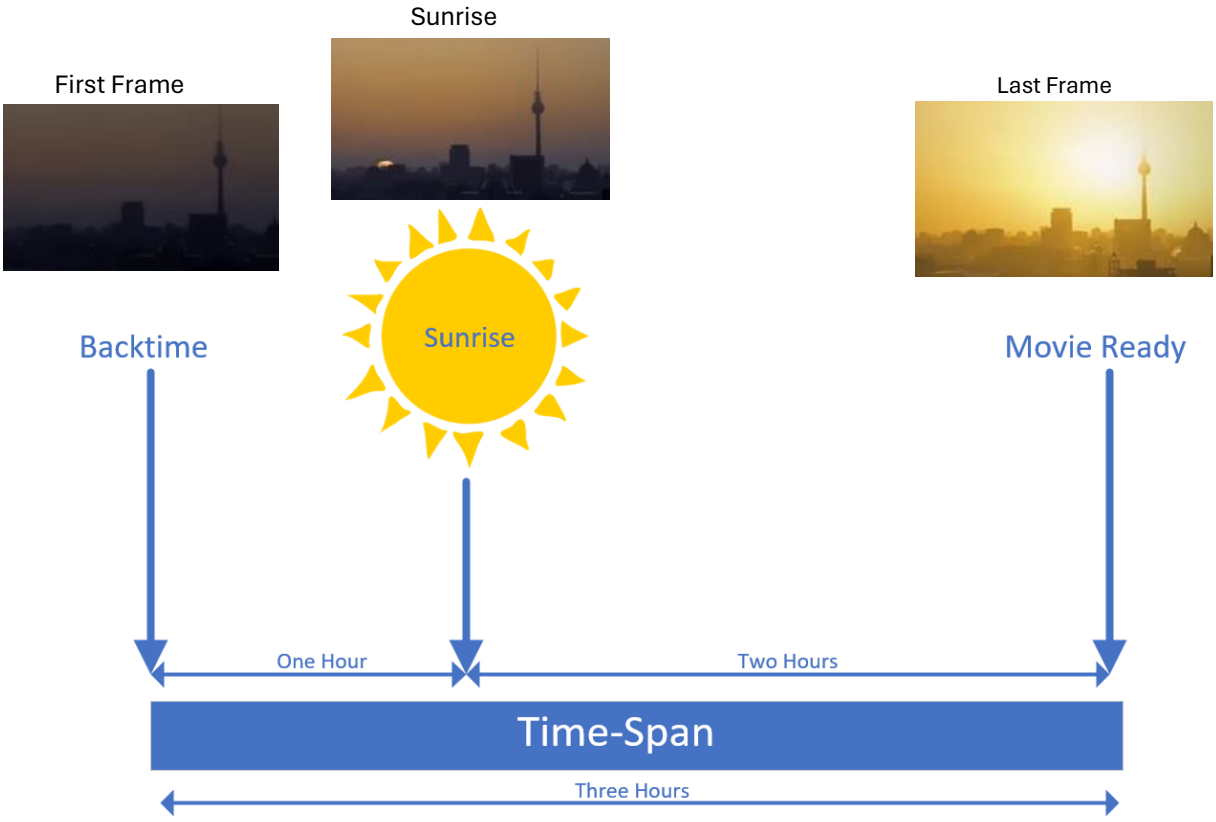
See the image below for how the settings result in the final timelapse movie.



The graphic above illustrates the Sunrise sequence based on Backtime, Sunrise time and Timespan. The key here is to know when the movie will be ready to take to air. Because sunrise shifts a bit each day the "ready time" will vary by a few minutes. The ready-time difference may be insignificant (only a couple of minutes each day) – but it can be a bigger difference in as little as a week and significantly different in a month. When counting on a scheduled sunrise/sunset timelapse for a newscast or cutin, it's best to be aware of this.