Some examples

Wiki 1:

start irb

```
$ irb --simple-prompt
```

1

```
require 'eot'; eot = Eot.new()

date, latitude, longitude = "2013-10-23", 41.9474, -88.74467
eot.ajd = Date.parse(date).jd
eot.latitude = latitude
eot.longitude = longitude;
eot.ma_ta_set
eot.sunrise_dt().to_time.localtime
eot.sunset_dt().to_time.localtime
```

Wiki 2:

```
puts "Show the Local Apparent Sidereal time at the Royal Greenwich Observatory"
loop do
  eot.ajd = DateTime.now.to_time.utc.to_datetime.ajd
  puts "LST = #{ eot.string_time(((eot.tl_Aries() * Eot::R2D) / 15.0)) }"
  sleep ( 1 - 0.00273790935/1.0027390935) / 1.00273790935
end
```

Wiki 3:

```
require 'eot';eot = Eot.new()
"There are #{Eot::SM * 6} hours in a sidereal day."
"That is why on the next day the stars are about 4 minutes earlier."
obtime0 = Time.now
obtime1 = obtime0 + Eot::SM * 6 * 3600
"Now you know when to look next time."
```

Wiki 4:

```
require 'eot'; eot = Eot.new(); eot.ajd = Date.today.jd.to_f
DateTime.jd(eot.sunrise_jd + 0.5)
```

```
DateTime.jd(eot.sunset_jd + 0.5)
```

wiki 5:

```
require 'eot'; eot = Eot.new(); eot.ajd = Date.today.jd.to_f
geo = GeoLatLng.new
geo.addr = "8000 South Michigan Ave., Chicago, IL"
geo.get_coordinates_from_address
eot.longitude = geo.lng;eot.latitude = geo.lat
eot.ajd_to_datetime(eot.sunrise_jd)
eot.ajd_to_datetime(eot.sunset_jd)
```