Computational Science I
Exercise notes: Daylight & Vermeer

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Exercise 1

The following picture shows the daylight intensity for the 8th December 2013 at 16:35 CET (sunset at Zurich).
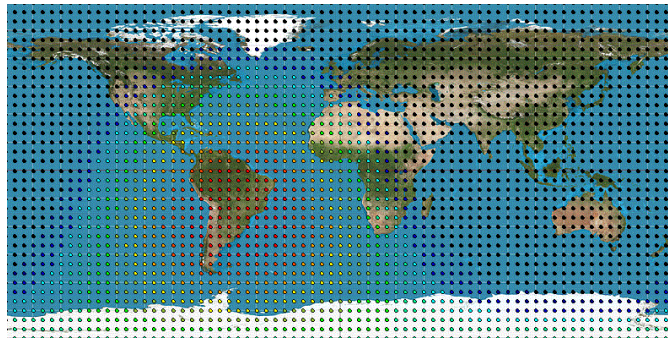

Figure 1: Daylight on 8th December 2013 at 16:35 CET

Exercise 2

I've chosen a value of 71° instead of 90° for the angle of the window with respect to the camera since I've got better results with this assumption.

For the four parameters (3D translation and viewer distance from the pinhole camera) i got the values $(1.53151851, 8.20440454, 62.5873597, 15119.0110)$

The following picture shows the reprojection of the window using the above parameters:

Figure 2: Reprojection of the window