

## Mobile 26-faced Sun Clock

### Different Sun clock Types

In ancient times, Sun clocks in mini-format were already known in the East, and during the 15<sup>th</sup> century became widely dispersed in Europe, especially in Germany, France and England.

During the 15<sup>th</sup> and 16<sup>th</sup> centuries multi-faced Sun clocks were the rage. One example is given below. They had the advantage of being used without the need of a compass. The 'cube' was correctly aligned to the South, when all surfaces gave the same time.

Stefano Bonsignori, a monk, probably made the one presented, and it was beautifully hand-painted on a parchment surface. It was designed to be "accurate" for a latitude of 45°, but can be used for latitudes between 50° and 40°. Some of the clocks were quite complex, and could be used for different latitudes. The times given are in Local Time (ie noon is set at 12 o'clock).

Whether they were equipped with a stand, I do not know, but I have shown a stand which I turned from wood. In any case, a monk on a pilgrimage must have had quite thorny experiences with such a gadget in his trouser pockets!

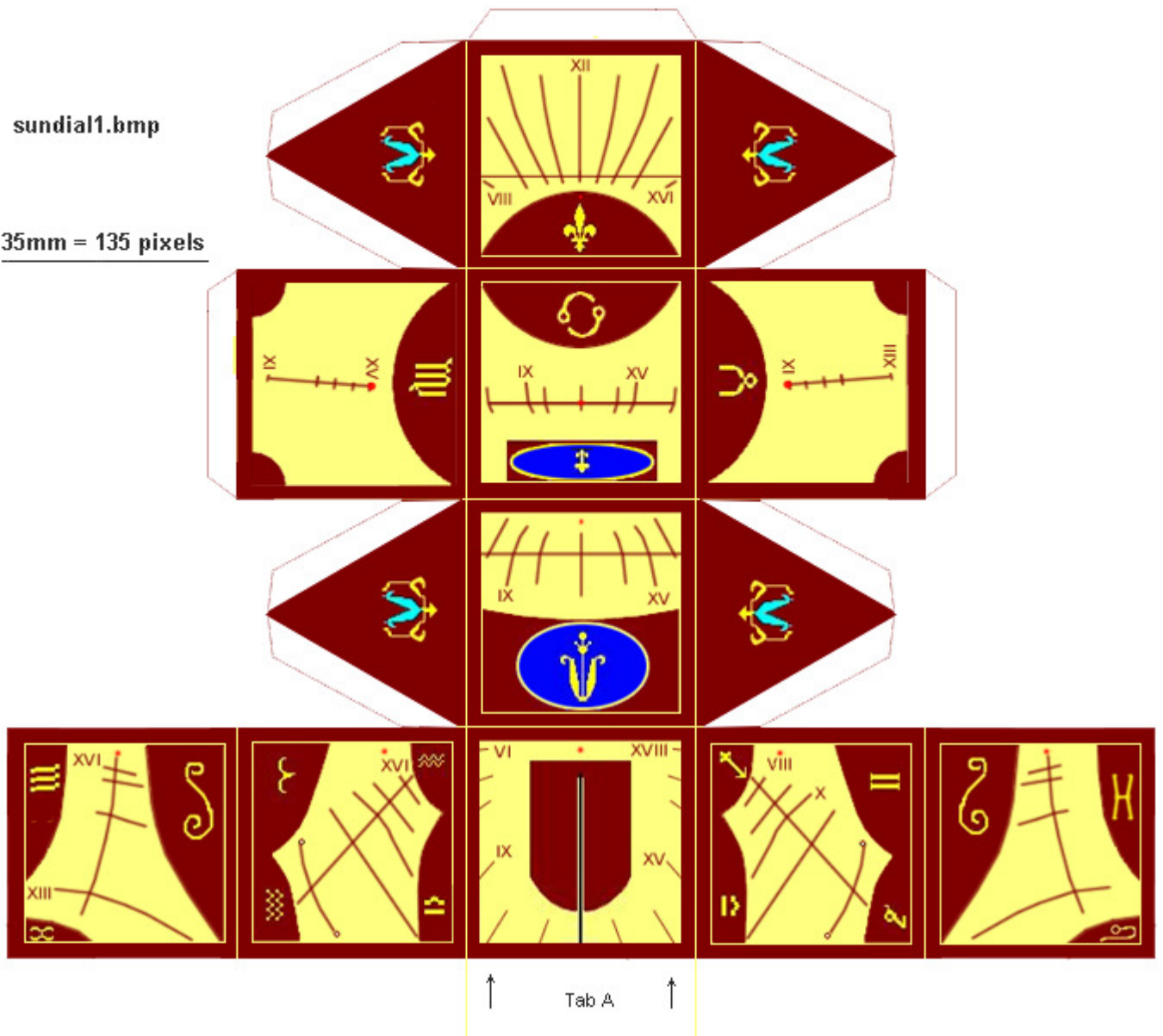
The 'styles', which occur on most faces (red dots mark the positions), I fabricated from black-painted cocktail sticks. They should protrude about 1cm above each respective surface.

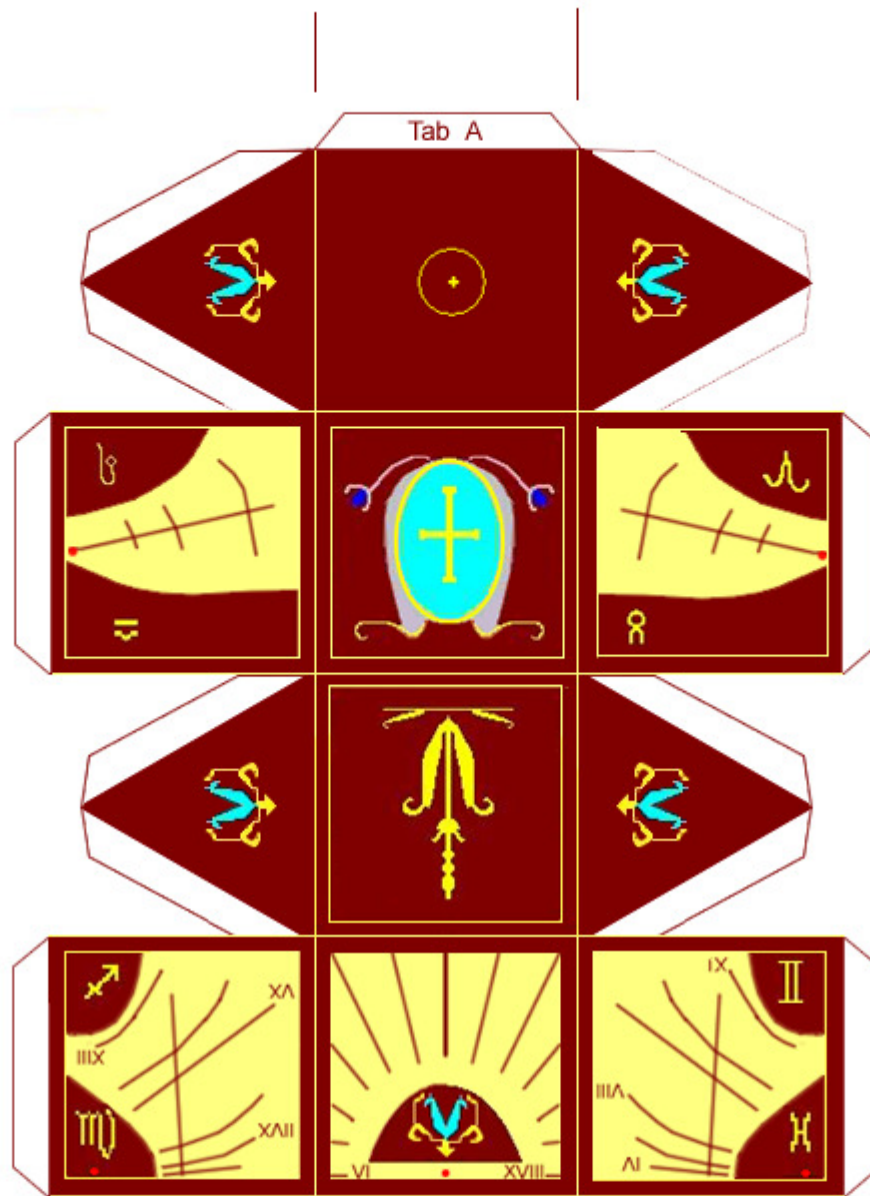
If you wish to put the 'cube' on a stand, cut out the ca 1cm diameter hole in the base.



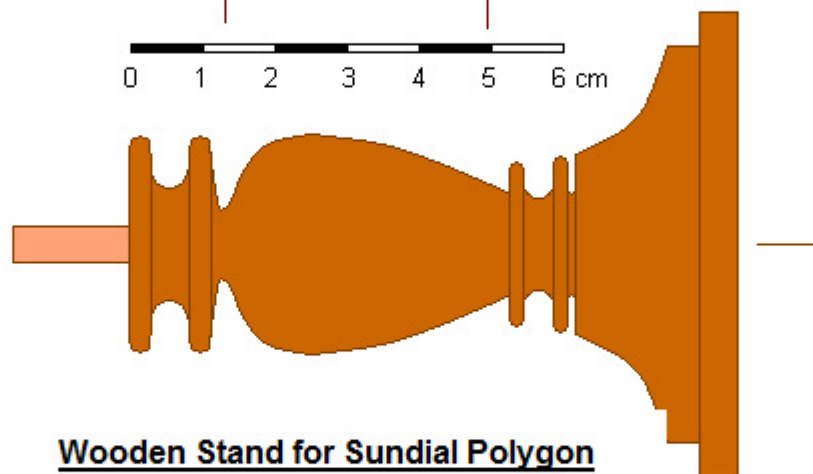
sundial1.bmp

35mm = 135 pixels





0 1 2 3 4 5 6 cm



Wooden Stand for Sundial Polygon