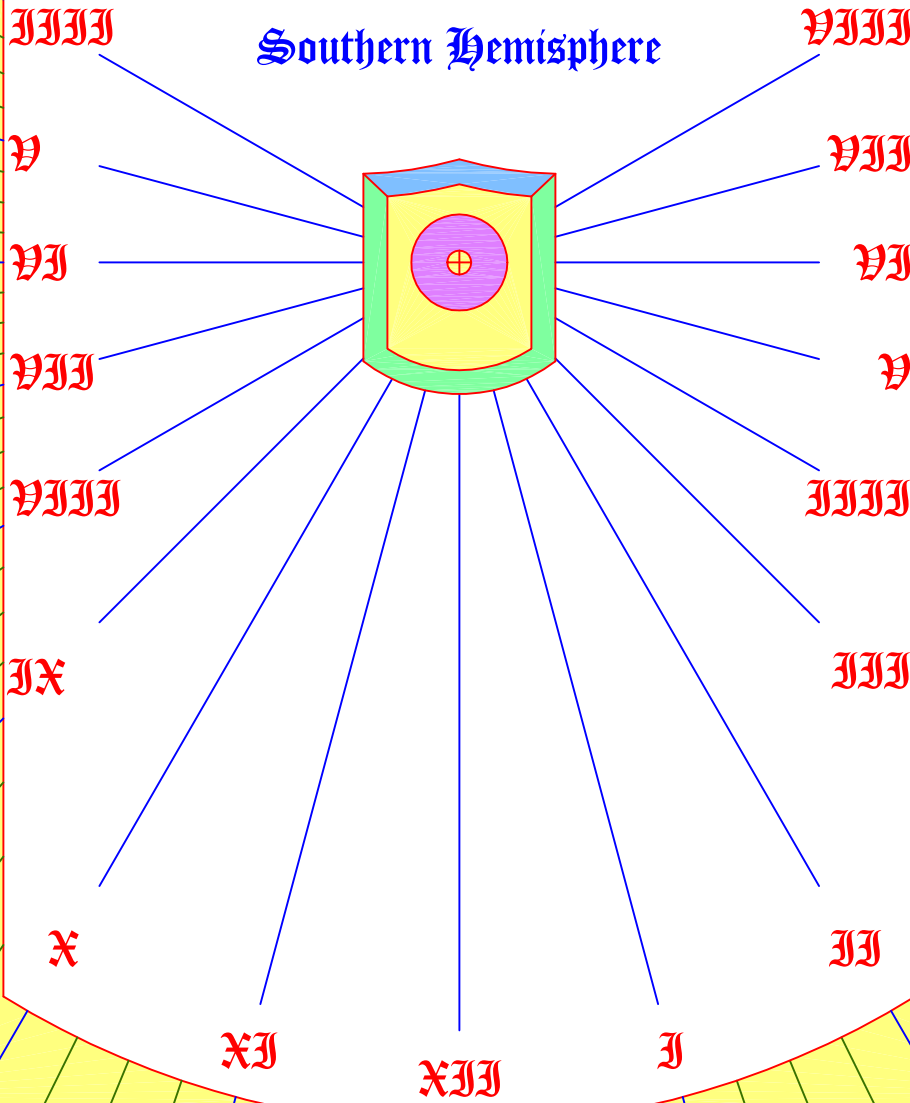
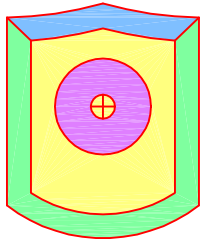


DE SUNDIAL PRIMER

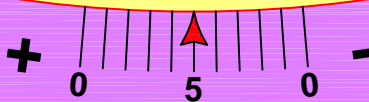
Equatorial Sundial
Southern Hemisphere

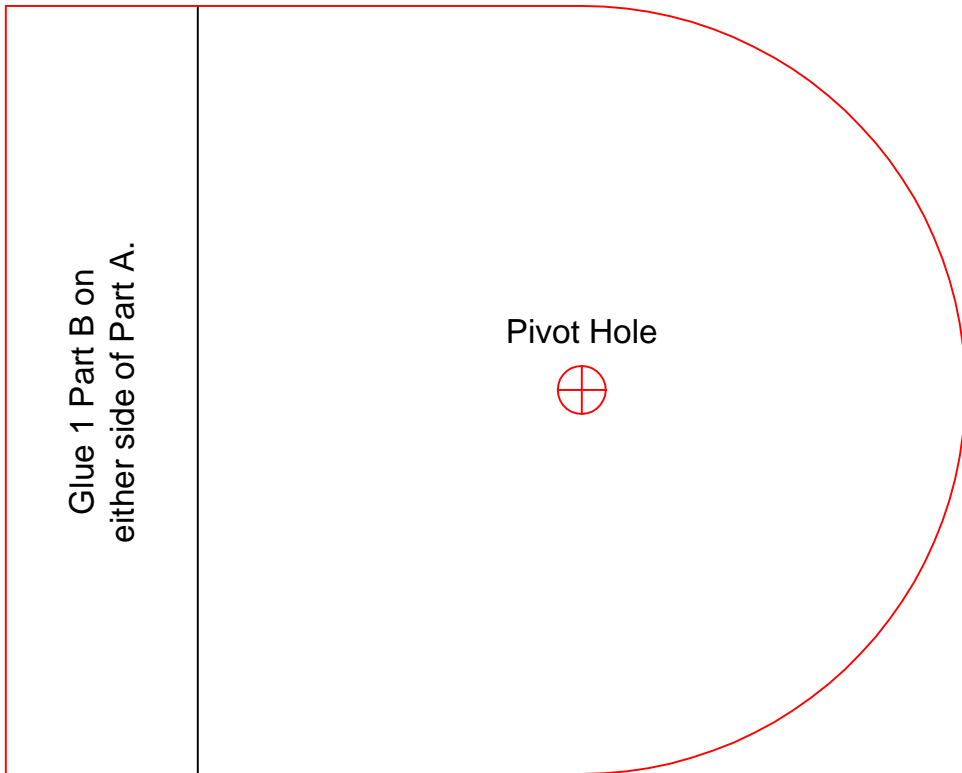


DE SUNDIAL PRIMER



Equatorial Sundial

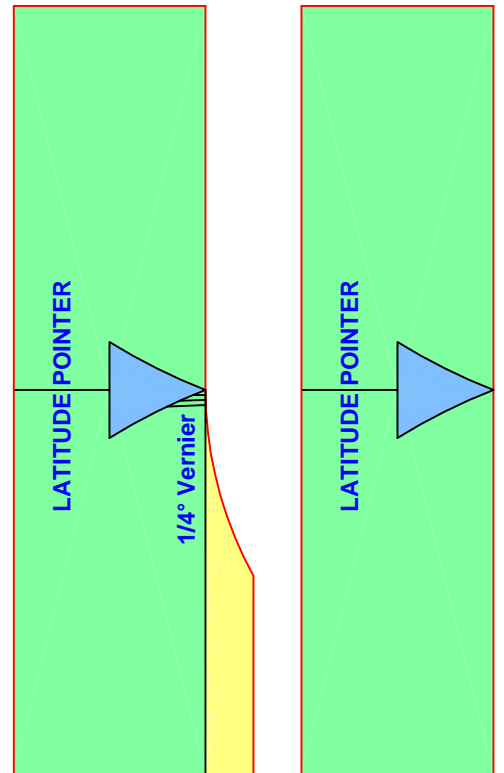




Glue 1 Part B on either side of Part A.

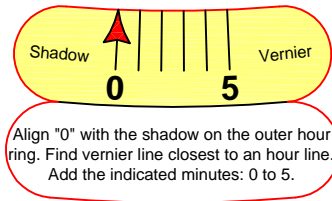
Pivot Hole

Part A - 1 required

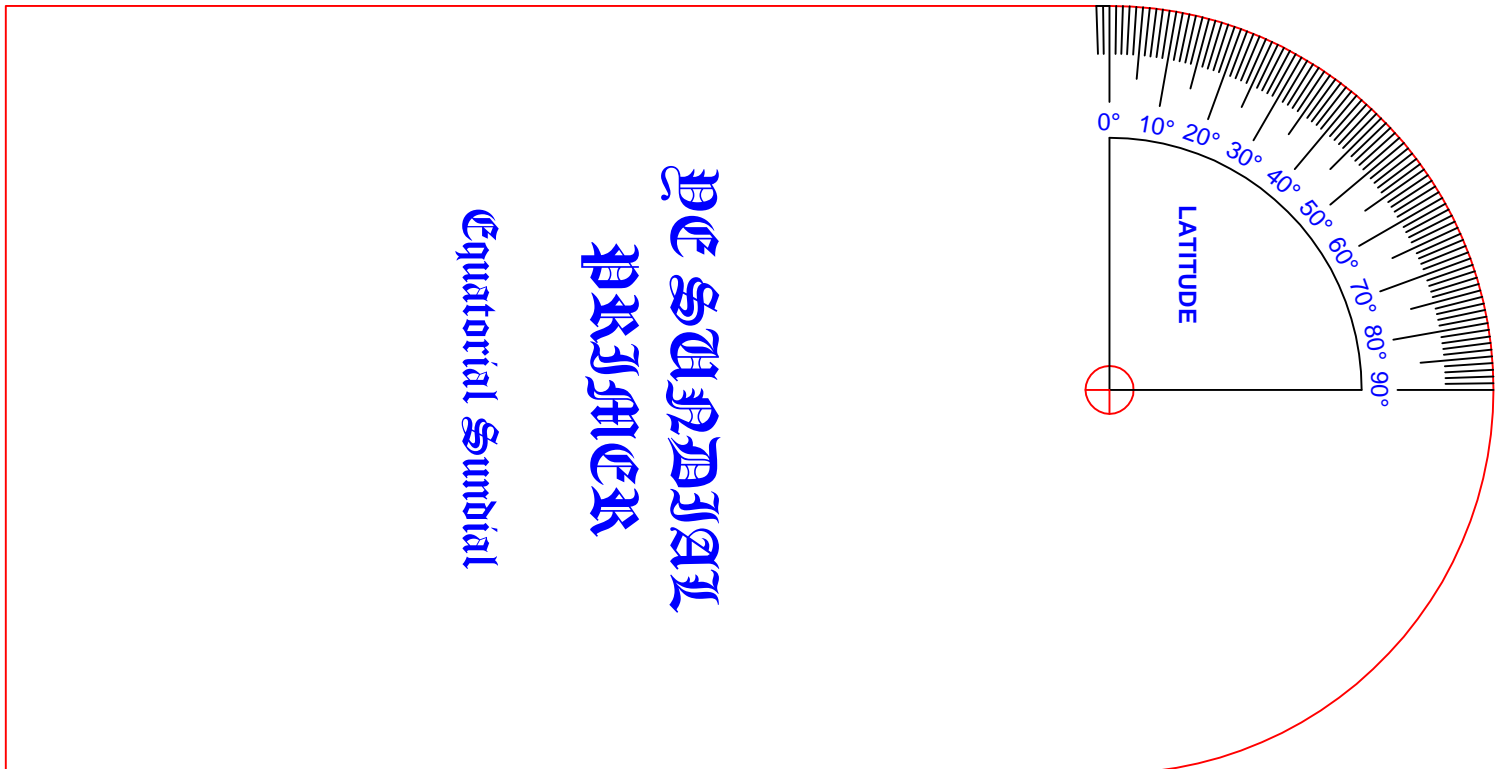


Part B - 2 parts using the right template are required. Choose 1 template & glue as shown in figure. The left template will allow the latitude to be set to 1/4° using the vernier instead of estimating.

This vernier will help to determine the time more accurately but can only be used on the circular portion of the dial plate.



Part C - 2 required
Save template & glue as shown in figure.



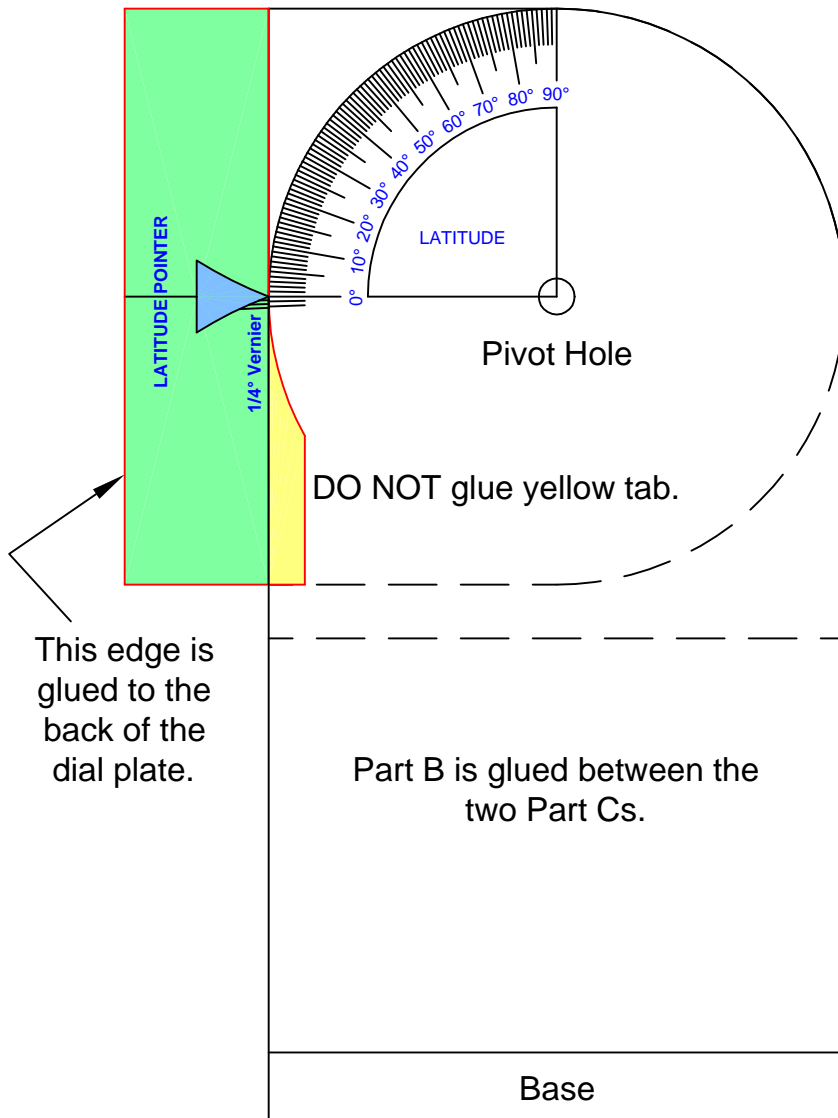
Equatorial Sundial

EQUINOXIAL

Part D - 1 required
 Glued between & at the
 bottom of the 2 Part Cs.

Part E - 2 required
 Used to widen the base.

Position Part A & Part Bs low enough on
 the back of the dial plate so the plate will
 clear the base.



The pivot hole passes through Part A
 and the 2 Part Cs. Use a small bolt,
 washers and wing nut to create the
 pivot.

Glue the back plate on to a flat and
 rigid surface, for example styrofoam
 or wood. Drill the 1/2" hole located in
 the small shield. Insert a section of
 1/2" wood dowel so it extends 1/4"
 above the top surface. The top plate
 will rotate around the dowel. Drill a
 perpendicular hole in the centre of
 the dowel the same diameter as the
 gnomon. The wire from a clothes
 hanger is quite stiff and will make a
 good gnomon.

Add weight to the base if
 it is unstable.