The Sundial Primer

Latitude: 45° S  5-minute intervals

Date Lines:
1, 6, 11, 16, 21, 26

Southern Hemisphere
Glue to bottom of dial plate.

Latitude scale A.
Latitude scale B.

Glue to bottom of dial plate.

Bottom corner brackets A, B, C and D for box.
Fold and glue the narrow sides of the tabs at the centre of the north and south ends of the dial plate. **DO NOT glue the part that extends beyond the plate.** The tabs are used to help raise one end of the dial plate and hold the other end in the correct position.

Glue to bottom of dial plate.
Splice A
Glue to back side of the latitude scales A and B to make one piece.

Cut along red lines.
Fold along green lines.

Label parts on the back as they are being cut out.
Box A
Glue splice C here.

Corner Bracket | Cross Piece

Gnomon for analemmatic sundial.

Glue to bottom of blue tabs.
2 for each gnomon.

Splice C

The Sundial Primer

Horizontal & Analemmatic Sundials
Latitude Range: 25° to 65° South

EAST
Glue on corner brackets A, B, C and D.

After making the gnomon for the analemmatic sundial to one of the 4 heights, glue the green and pink halves together. Weights can be glued to the blue tabs to stabilize it.

After making the triangular gnomon glue it on the horizontal sundial with the tallest end end to the north.
The Sundial Primer

Horizontal & Analemmatic Sundials
Latitude Range: 25° to 65° South
Glue on corner brackets A, B, C and D.

These templates will make a triangular tube and can be cut to various sizes. Use it to reinforce the bottom of the dial plate if you have no other method. Attach after the dial plate is mounted to the latitude scales.
Glue to bottom of dial plate.

NORTH

Glue to bottom of dial plate.

Glue tabs one at a time to form curve.

Bracket E, F, G and H for vertical corners of box. Fold and glue on the outside.

Latitude Range: 25° to 65° South

Horizontal & Analemmatic Sundials

The Sundial Primer
Glue to bottom of dial plate.

Glue to bottom of dial plate.

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Glue to bottom of dial plate.
Horizontal & Analemmatic Sundials

The Sundial Primer

Latitude Range: 25° to 65° South
SOUTH

Glue tab to outside of east side.

Glue tab to outside of west side.

This template will make a triangular tube and can be cut to various sizes. Use it to reinforce the bottom of the dial plate if you have no other method. Attach after the dial plate is mounted to the latitude scales.

Corner Bracket

Bottom rim of box.