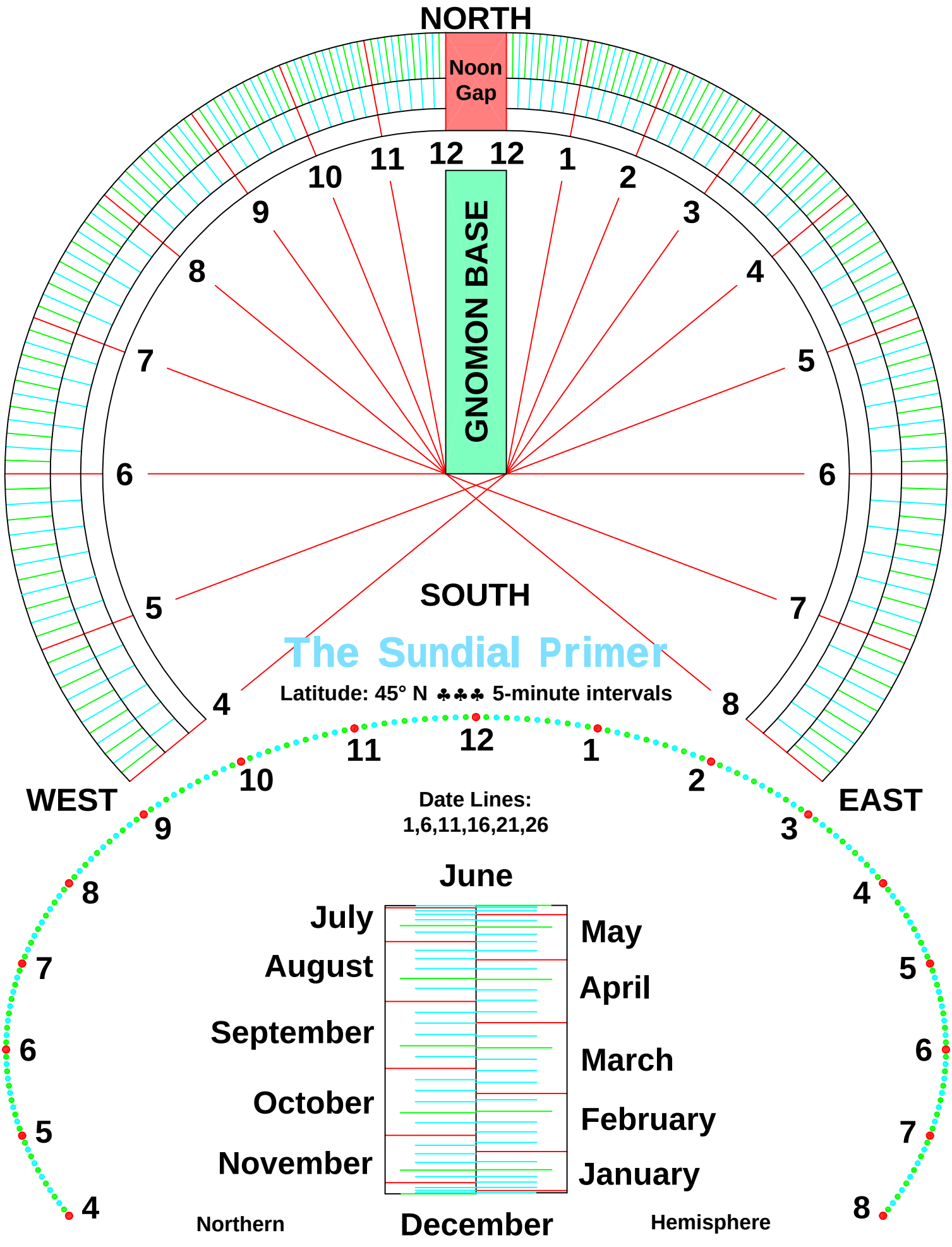
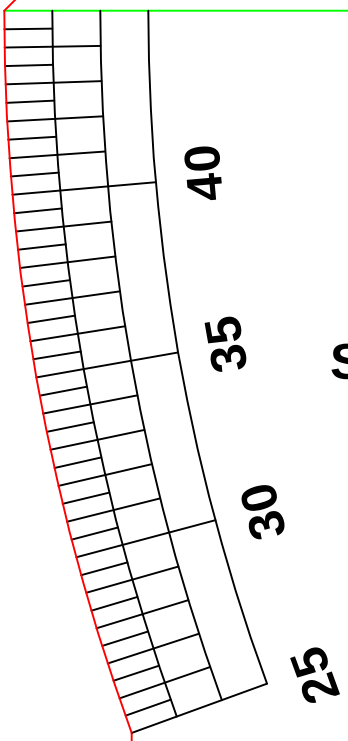

NORTH
Noon Gap
GNOMON BASE
12 12 1 2 3 4 5 6 7 8 9 10 11
SOUTH
The Sundial Primer
Latitude: 45° N ♣♣♣ 5-minute intervals
WEST
EAST
12 1 2 3 4 5 6 7 8 9 10 11
Date Lines:
1,6,11,16,21,26
June
July
August
September
October
November
December
May
April
March
February
January
Northern
Hemisphere

Glue to bottom of dial plate.

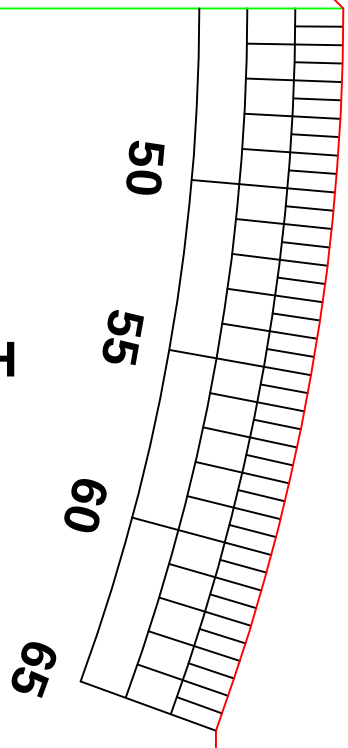


SOUTH

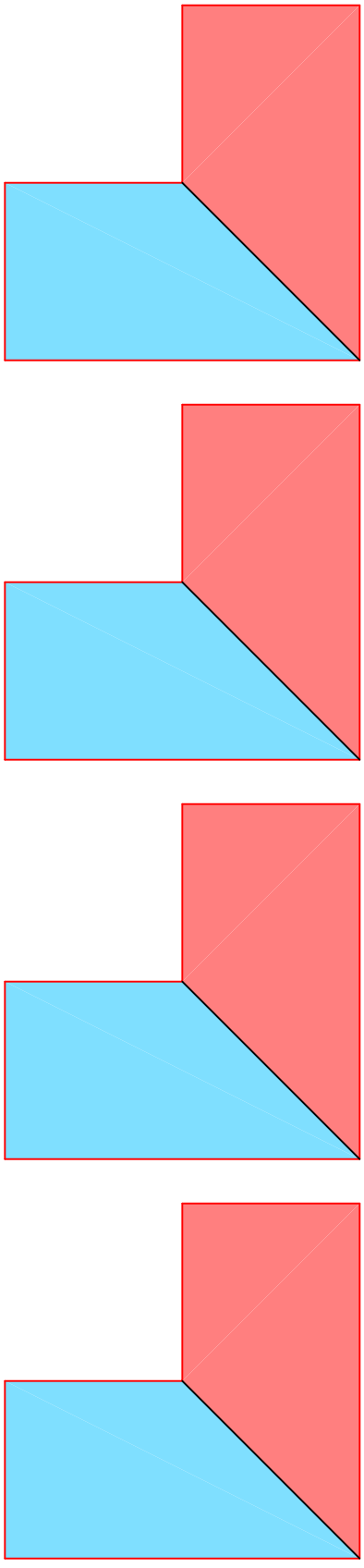
Latitude scale A.

Latitude scale B.

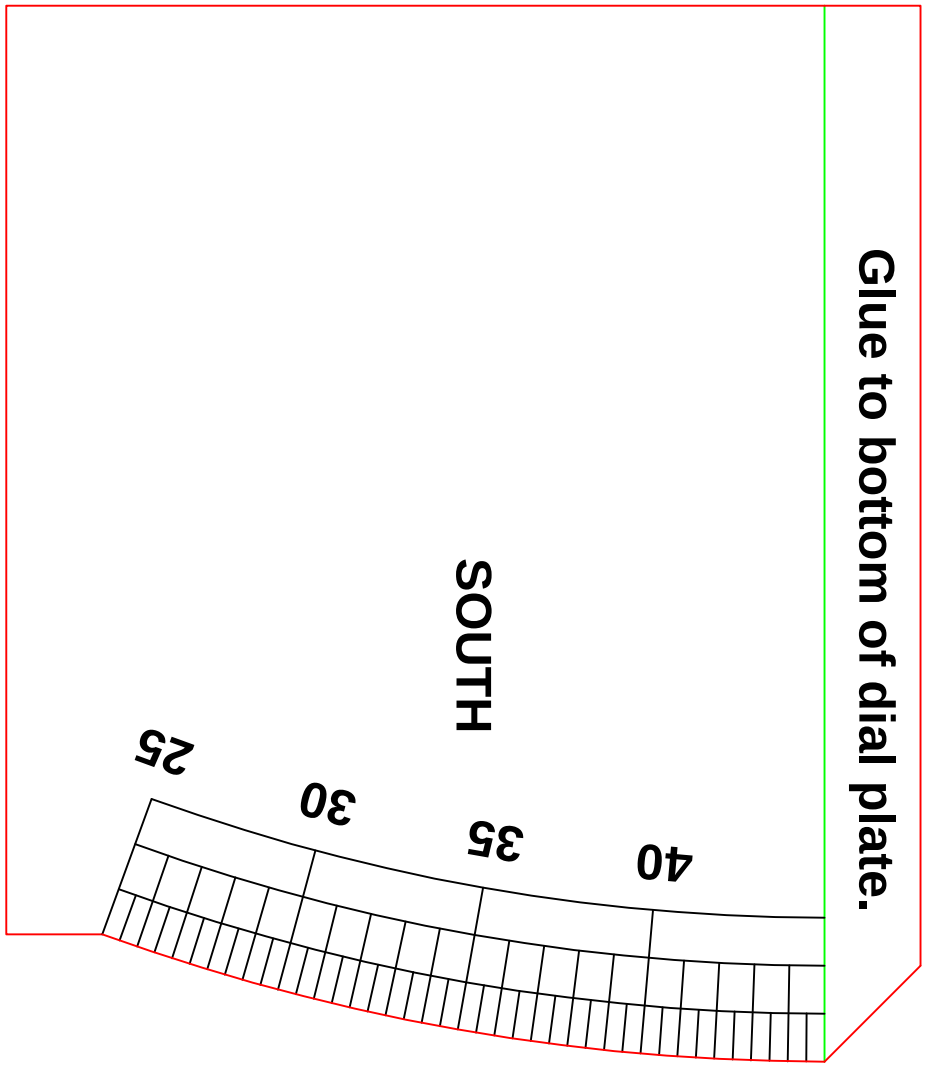
Glue to bottom of dial plate.

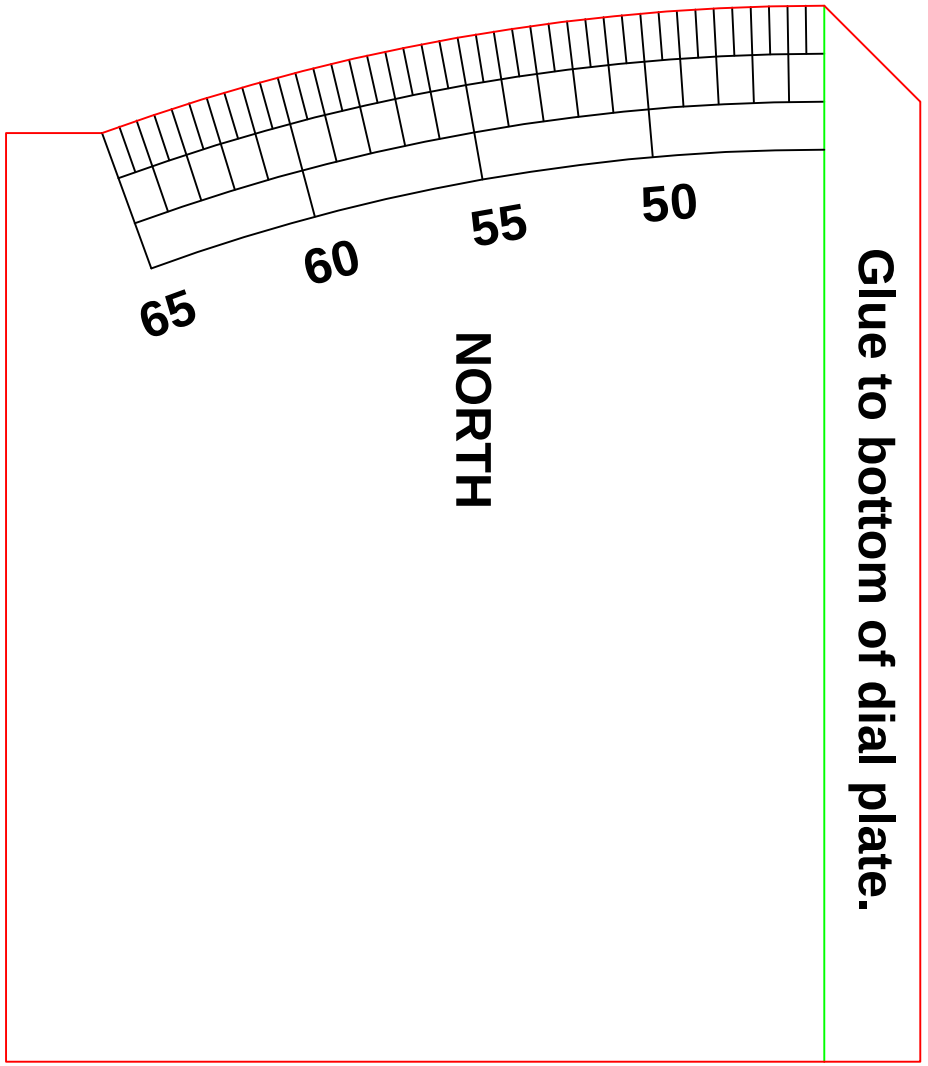


NORTH

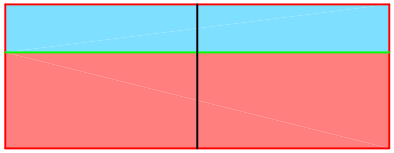


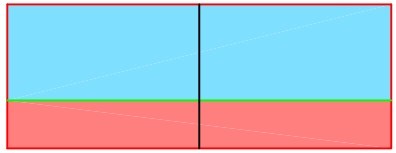
Bottom corner brackets A, B, C and D for box.





Fold and glue these 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.

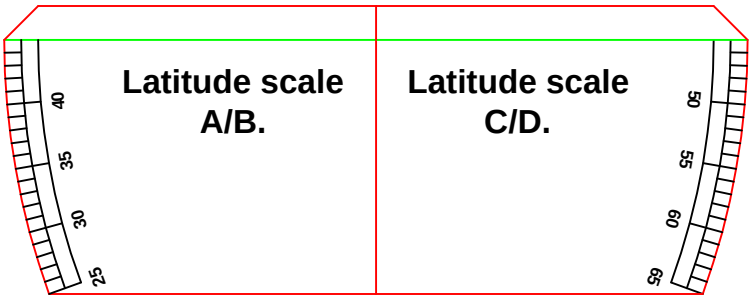




Place latitude scale A here.

Place latitude scale B here.

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



Glue splice A or B to the back of the latitude scales to make one piece.

Place latitude scale C here.

Place latitude scale D here.

Splice B
Glue to back side of the latitude scales C and D to make one piece.

Cut along red lines.

Fold along green lines.

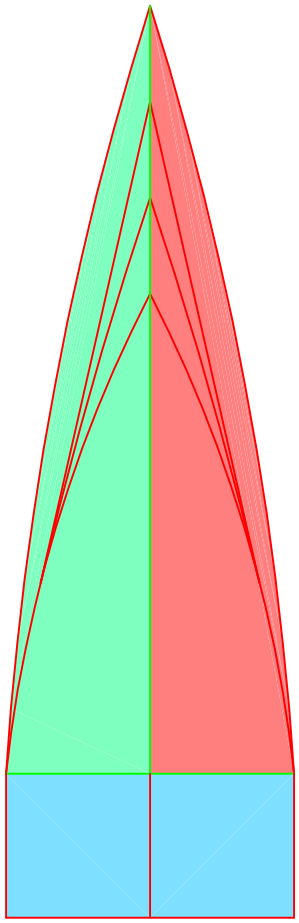
Label parts on the back as they are being cut out.

Glue tab here.

Box A
Glue splice C here.

Corner Bracket

Cross Piece



Gnomon for analemmatic sundial.

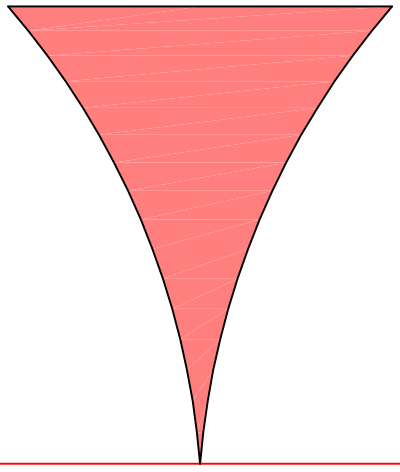
Bottom rim of box.

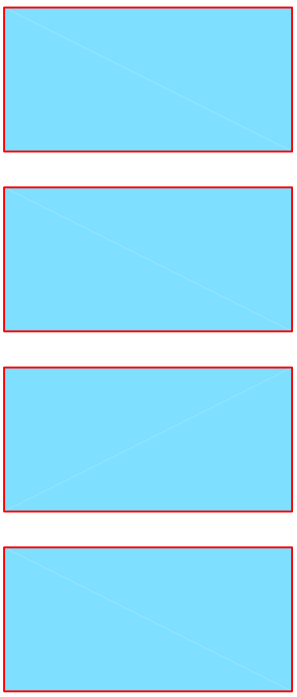
The Sundial Primer

Horizontal & Analemmatic Sundials

Latitude Range: 25° to 65° North

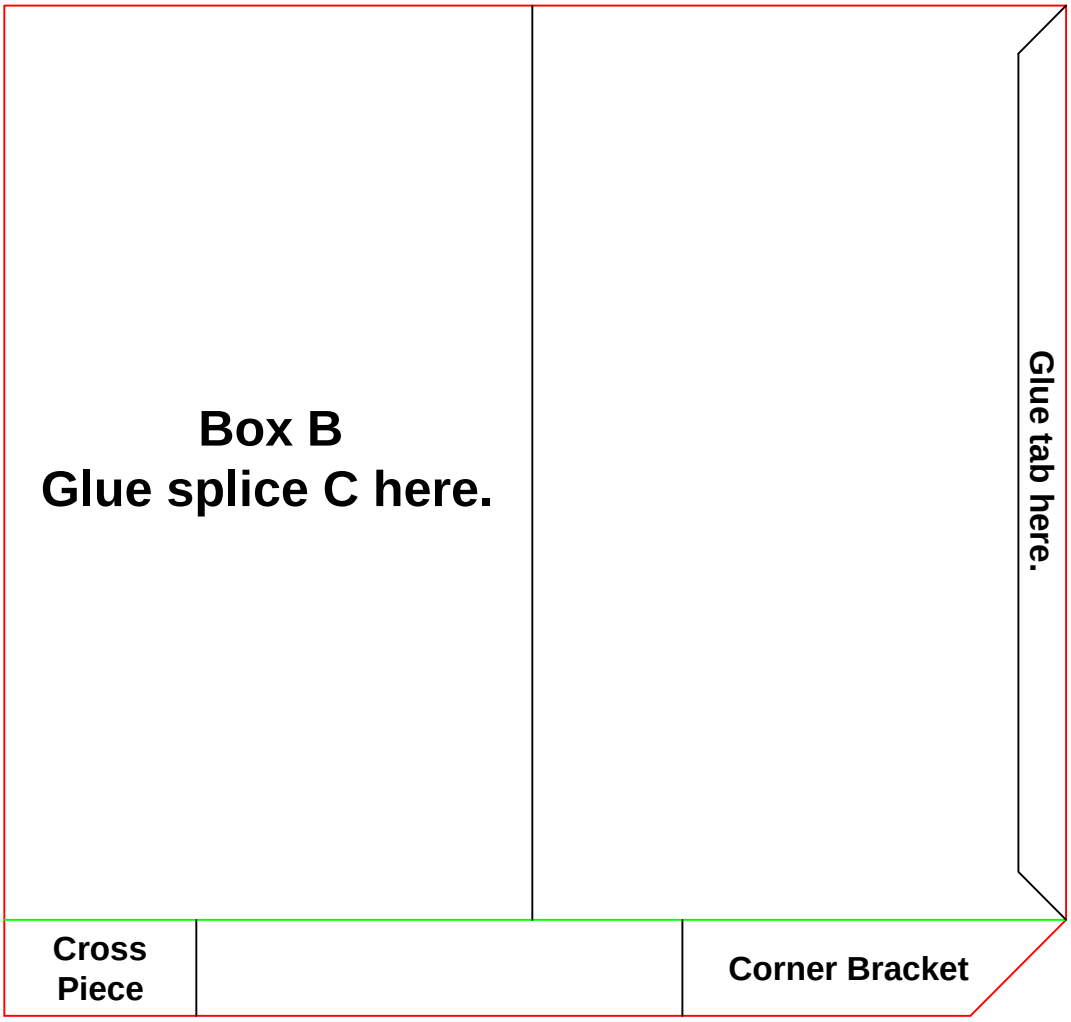
EAST



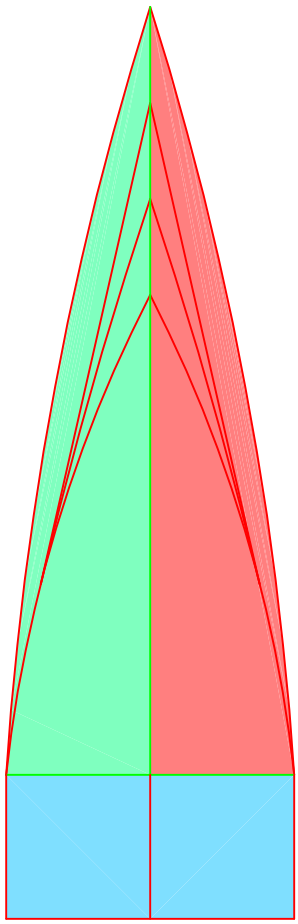


Glue to bottom of blue tabs.
2 for each gnomon.

Splice C

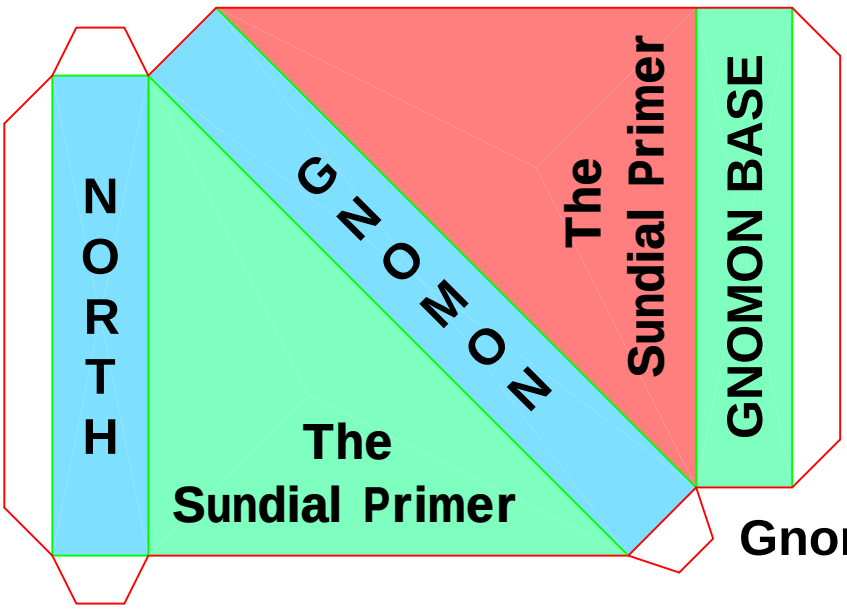


Glue on corner brackets A, B, C and D.



Gnomon for analemmatic sundial.

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.



Gnomon for horizontal sundial.

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

Glue tab here.

Box C
Glue splice D here.

Corner Bracket

Cross Piece

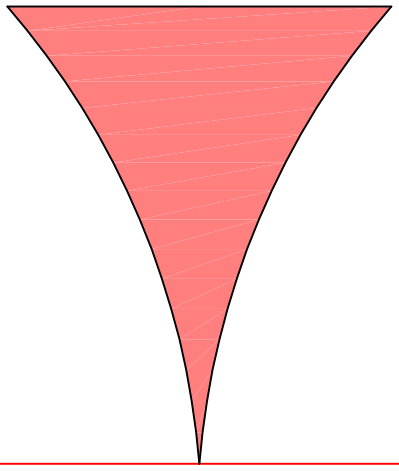
Bottom rim of box.

The Sundial Primer

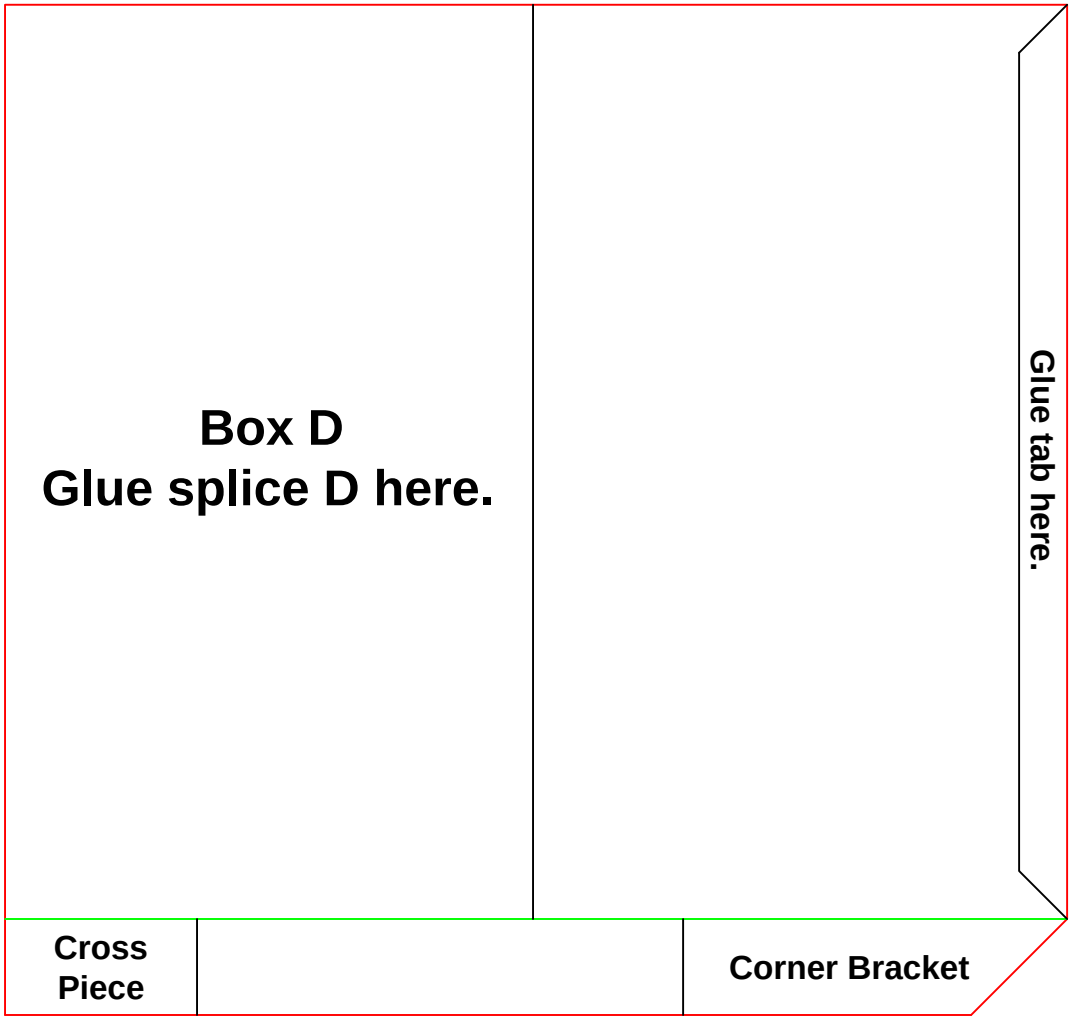
Horizontal & Analemmatic Sundials

Latitude Range: 25° to 65° North

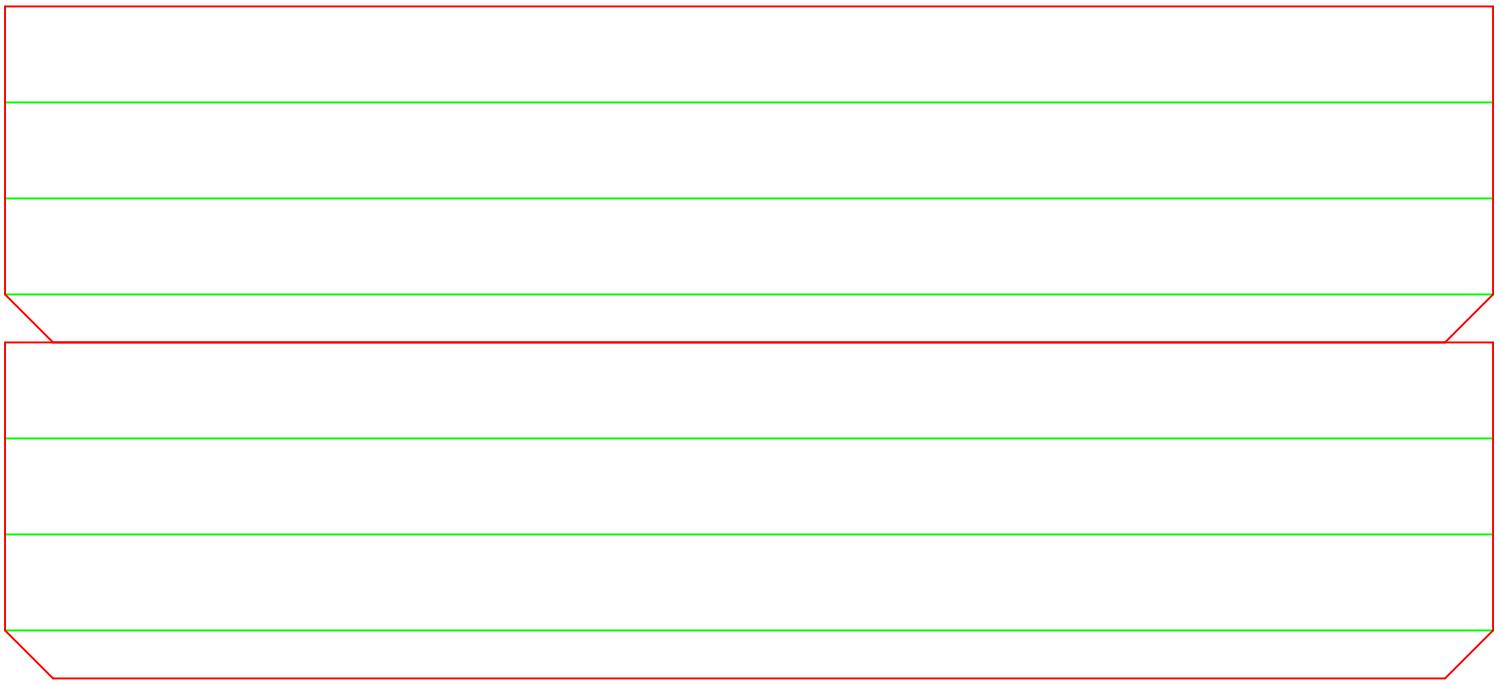
WEST



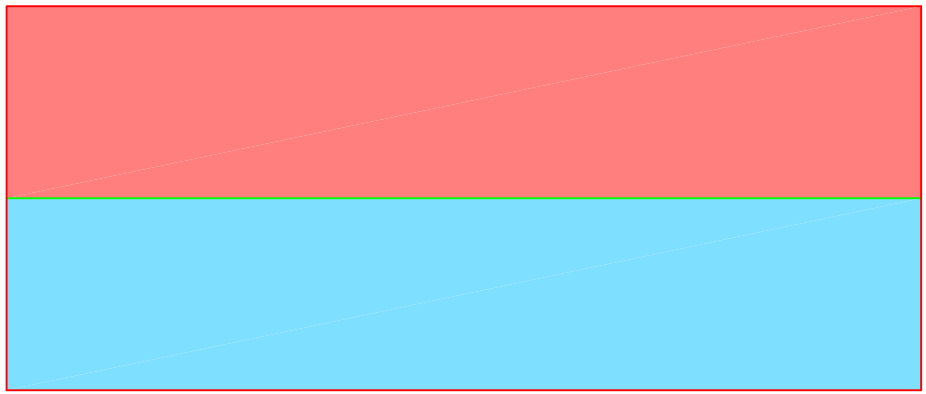
Splice D

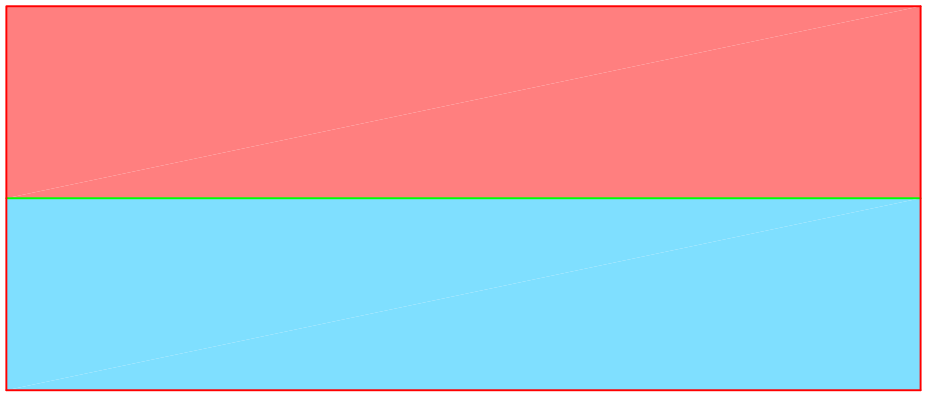


Glue on corner brackets A, B, C and D.



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.





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

Glue to bottom of dial plate.

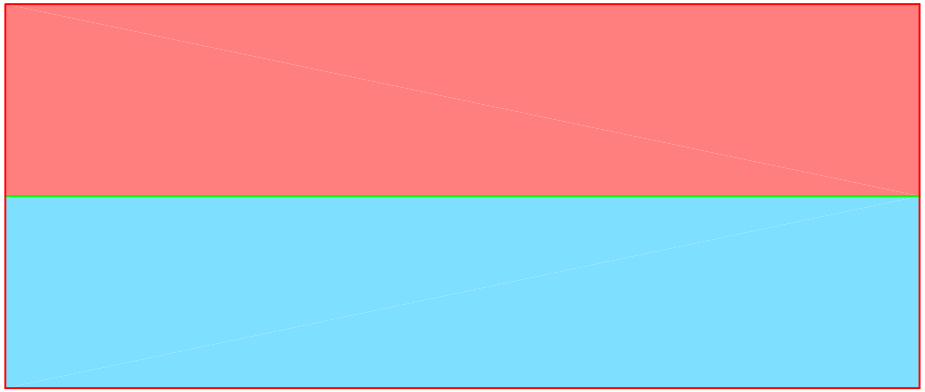
The Sundial Primer

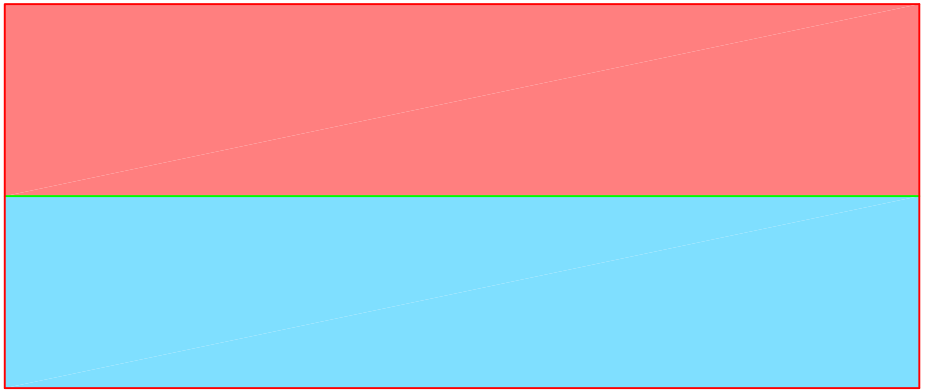
Horizontal & Analemmatic Sundials

Latitude Range: 25° to 65° North

NORTH **NORTH**

Glue tabs one at a time to form curve.





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

Glue to bottom of dial plate.

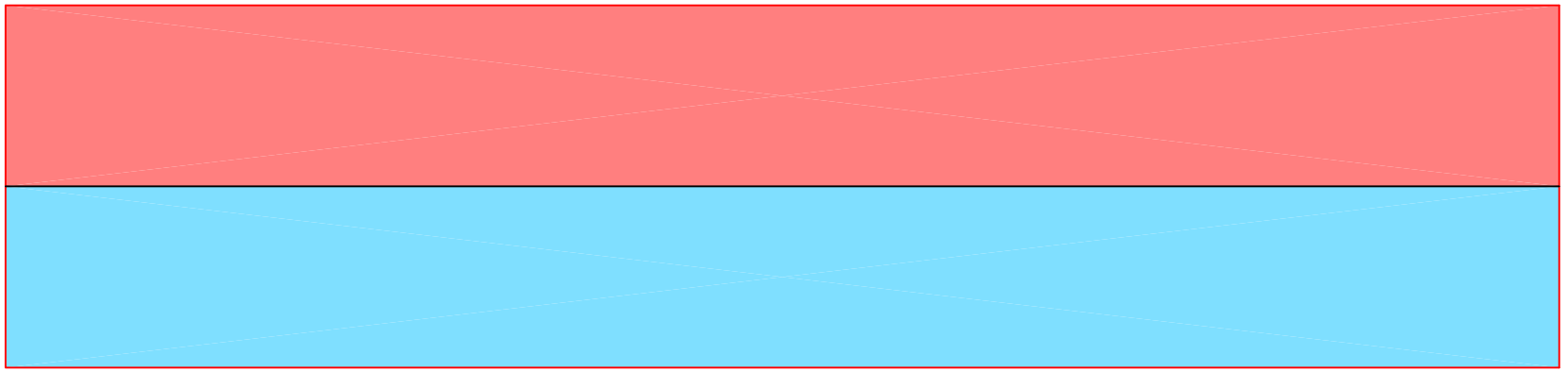
The Sundial Primer

Horizontal & Analemmatic Sundials

Latitude Range: 25° to 65° South

SOUTH **SOUTH**

Glue tabs one at a time to form curve.



Cross piece for bottom of box.

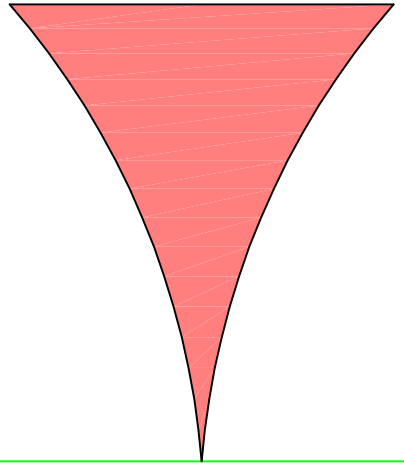
Glue tab to outside of east side.

The Sundial Primer

Horizontal & Analemmatic Sundials

Latitude Range: 25° to 65° North

NORTH

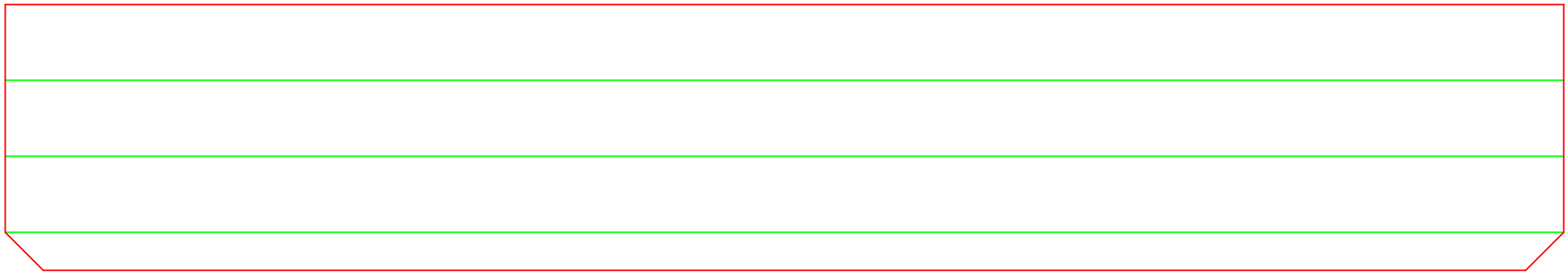


Glue tab to outside of west side.

Corner Bracket

Corner Bracket

Bottom rim of box.



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.

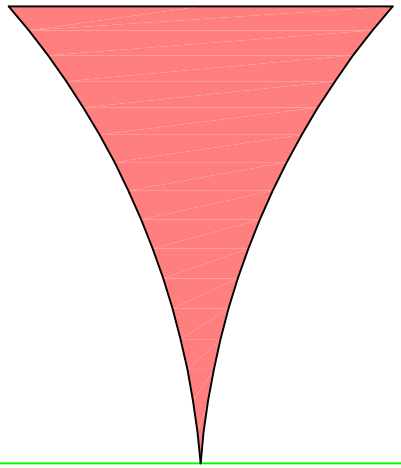
Glue tab to outside of west side.

The Sundial Primer

Horizontal & Analemmatic Sundials

Latitude Range: 25° to 65° North

SOUTH



Glue tab to outside of east side.

Corner Bracket

Corner Bracket

Bottom rim of box.