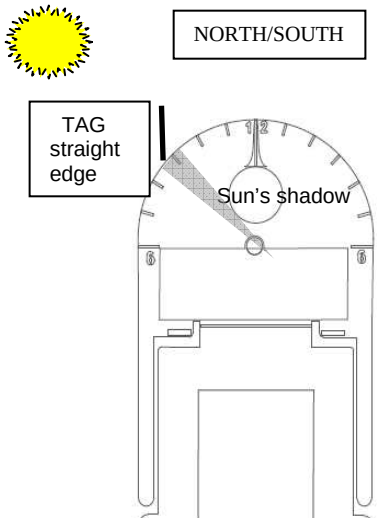
GROUP TREKKING, Navigation



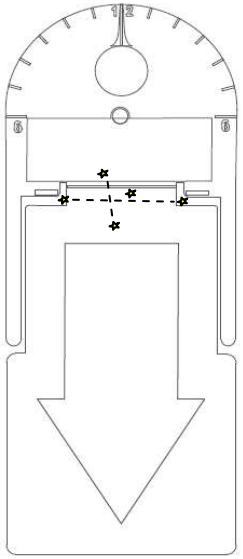
Example of Use: 3:30 pm.
Southern Hemisphere -

1. To use the reverse sundial set the TAG 180^0 clock face toward the sun, 6 am is on the right.
2. Position another TAG perpendicular to the base.
3. Cast a shadow across the TAG for the correct time.
4. The top end of the shadow passes over the centre mark.
5. **North** is always in the direction of 12 o'clock.

Northern Hemisphere -

1. Set the TAG 180^0 clock face toward the sun, 6 am is on the left.
2. Follow steps 2-4 above.
3. **South** is always in the direction of 12 o'clock.

As the sun rotates across the sky the shadow moves around whilst NORTH/SOUTH is fixed in position.
The idea uses Non Daylight Saving time.



To locate **SOUTH** at night with the TAGS.

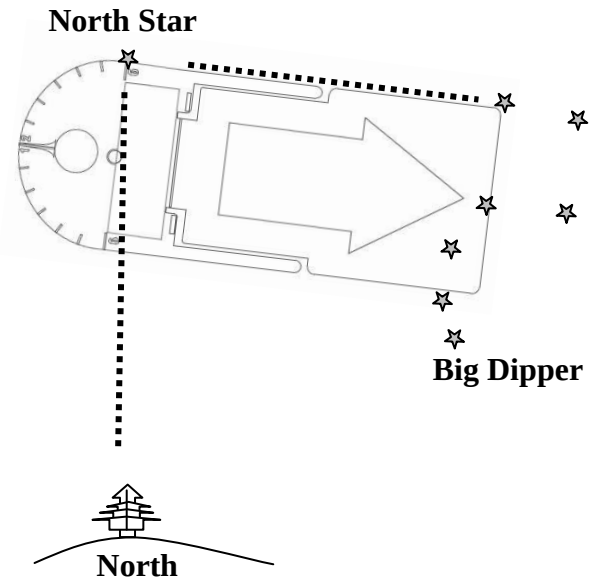
Scan the night sky, and locate the Southern Cross. (Southern Hemisphere- SH).

Raise the TAG and extend your arm and align the top and bottom stars, of the Southern Cross, through the cut-out in the centre of the TAG.

This gives the correct distance to locate SOUTH.

Turn the TAG 90^0 and align the bottom star with the hole in the TAG.

Now at the far end of the TAG, drop an imaginary line to the Horizon and **South** has been located.

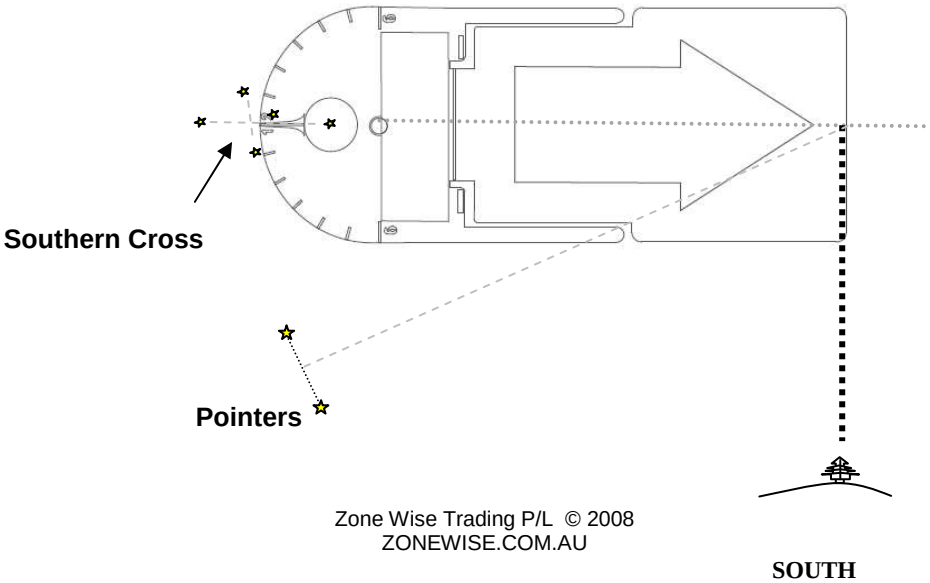


To locate **NORTH** at night with the TAGS.

Scan the night sky, and locate the Big Dipper (Northern Hemisphere- NH).

Raise the TAG and extend your arm and align the two stars, at the top of the Big Dipper, with the short side of the TAG.

Find the North Star, Polaris, by following the long side of the TAG. Drop an imaginary line to the Horizon, from Polaris, and **North** has been located.



ZONE TAG SUNDIAL OVERLAY