

## SUSIE Project sundial

(Expedition "Pol Sud Sense Límits - Obra Social la Caixa")

### Technical Details:



*Authors:* Ignasi Vilà, with the collaboration of Eduard Farré, Joan Girbau and Jaume Ventura

*Date:* December 2008

*Type:* horizontal-equatorial

*Material:* aluminium

*Description:* Circular. Its quadrant plane is parallel to the horizon and equator quadrants, it is perpendicular to the terrestrial axis and displays the hours in true solar time at the Greenwich meridian. The gnomon is totally vertical and follows the direction of the Earth's axis, with the shape of an iceberg. The gnomon height has been calculated so, on the day the expeditioners plan to reach the South Pole (January 29<sup>th</sup>), its shadow will reach the first line of the external margin of the ocean. The sundial will be hold by a tripod made from three skiing sticks, one from each expeditioner, used during the traverse through Antarctica, symbolising the team work towards a common target.