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Astronomy Teaching - A didactic proposal for measuring the Equinox in Latin America

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Abstract. The purpose of this work was to create an experimental sequence that would allow Basic Education students (Elementary and High School in Brazil) to make daily measurements of the Spring Equinox in the Southern Hemisphere, involving three Latin American countries, Argentina, Brazil, and Costa Rica. From a spreadsheet created in Excel software, by professors Josué Dionofrio and Diego Galperin [1], respectively professors at the ORT Technical School in Buenos Aires and the National University of Rio Negro, Bariloche, Argentina, students could learn about and determine the trajectory developed by Sun during the day, calculating angles as a function of measurements of the height of the gnomon and the width and angle of the shadow cast by the Sun.

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