

Evidence of Rossby Waves in the Sun

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Through analysis of bright point (~3-5 Mm regions of high EUV and X-ray activity on the sun) statistics using data from Stereo A and B, as well as AIA, an analysis was done to determine if large-scale wave-like patterns could be found in the solar atmosphere. Through the compilation of a number of years worth of data, clear motion of the bright points in a quasi-sinusoidal pattern was found. This behavior seems to most clearly mirror that found in Rossby waves, large meanders such as the Gulf Stream, found on Earth.