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Forcing of sunspot number oscillations in North Atlantic oscillations

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We have found one to one correspondence of sunspot number SSN oscillation in North Atlantic Oscillation (NAO). This extremely important result can be explained by our early result that the density of solar wind is related to solar activity. We found co-evidence for oscillations in Earth's magnetopause altitude in response to variation of solar wind velocity & pressure. The variability of magnetosphere compression causes variability in atmospheric pressure with special emphasis on polar regions, in other word, oscillation in NAO.

Biography

Shahinaz Yousef completed her Graduation at Cairo University in 1966 and MSc in Nuclear Physics at London University in 1967. She completed her PhD in Solar Activity and XUV at University College London in 1971. She is a Professor in Astronomy and Space & Meteorology department, Faculty of Science, Cairo University, Egypt.

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