

# The Wounded Sun

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Abstract: I will briefly discuss the Sun's internal seismology and how it affects active region atmospheres, and conversely how those active region atmospheres affect the internal seismology. I contend that active regions and other surface magnetic features act as wounds in the solar surface, allowing both the escape of energy and the ingress of seismic infection.

Introduction: Paul is a Professor of Solar Physics in the School of Mathematical Sciences at Monash University. He obtained his PhD in Applied Mathematics from Monash in 1980, and held postdoctoral positions in the UK before returning to Monash as a lecturer in 1984. He has been an Affiliate Scientist at the High Altitude Observatory of the National Center for Atmospheric Research in Boulder, Colorado, USA since 1998. Paul's research mainly concerns waves and instabilities in the solar plasma. He is a foremost expert on magnetohydrodynamics mode conversion and applications to solar activity.