Central asian solar rotation

Hydroclimatic changes over arid central Asia (ACA) are not fully understood, primarily due to the paucity of accurate, high-resolution climatic records. Here we reconstruct hydroclimatic changes over the past.

New Pattern Of Solar Rotation: Discover the latest findings by Chinese scientists on the new pattern of solar rotation. Explore how this discovery challenges existing theories and its ...

The Gleissberg solar cycle affected regional humidity changes by evaporative forcing. Climatic instability has major impacts on water resources and catastrophic effects on fragile ...

Internal rotation in the Sun shows differential rotation in the outer convective region and almost uniform rotation in the central radiative region. The transition between these regions is called the tacholine.

Internal rotation in the Sun, showing differential rotation in the outer convective region and almost uniform rotation in the central radiative region. The transition between these regions is called the ...

The future efforts in our understanding of solar rotation will be focused on the precise determination of the rotation rate of the solar core, tachocline, near-polar regions, and the upper convective boundary ...

Chinese scientists have made a significant breakthrough in solar research through the use of their solar exploration satellite, the Chinese H-alpha Solar Explorer (CHASE), which has led to ...

Chinese scientists using the Chinese H-alpha Solar Explorer (CHASE) telescope have found a new pattern of how the sun"s atmosphere rotates. According to the prestigious magazine ...

OverviewInternal solar rotationAxis of rotationSidereal rotationUsing sunspots to measure rotationUntil the advent of helioseismology, the study of wave oscillations in the Sun, very little was known about the internal rotation of the Sun. The differential profile of the surface was thought to extend into the solar interior as rotating cylinders of constant angular momentum. Through helioseismology this is now known not to be the case and the rotation profile of the Sun has been found. On the surface, the Sun rotates slowly at the poles and quickly at the equator. This profile extends on roughly radial lines through the solar convection zone

Chinese scientists have discovered a new pattern of solar atmospheric rotation using data from the CHASE satellite, creating the first precise 3D representation and unlocking new ...

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