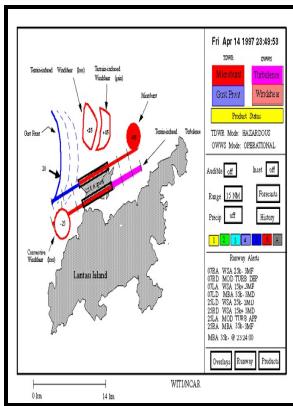


Wind shear at Hong Kong International Airport in four squally shower situations

Royal Observatory - PPT



Description: -

Wind shear -- Kongkong Wind shear at Hong Kong International Airport in four squally shower situations

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Modelling of wind shear downwind of mountain ridges at Hong Kong International Airport

The local properties of residual energy and cross helicity were also investigated, showing that globally balanced intervals with small residual energy contain local patches of larger imbalance and larger residual energy at all scales, as expected for nonlinear turbulent interactions.

Modelling of wind shear downwind of mountain ridges at Hong Kong International Airport

The model equations account for photoionization of interstellar hydrogen atoms and their charge exchange with solar wind protons, energy transfer from pickup protons to solar wind protons, and plasma heating by turbulent dissipation. Ambient flow measurements were provided from sonic anemometers on a meteorological tower located near the turbine. Finally, practical methods are suggested for the estimation of wind profiles and wind statistics.

Predicting disruptive wind shear at Hong Kong Airport using ...

We look for variations of the nature and properties of these kinetic scale fluctuations with solar wind conditions, such as the plasma beta and the angle between the magnetic field and the flow velocity which controls the measured spacecraft frame frequency of the fluctuations. Hummingbirds are ideal organisms for studying the influence of freestream turbulence on flight, as they forage in a variety of aerial conditions and are powerful flyers.

Predicting Low

Plasma internal energy is contained mainly in non-degenerate forms plasma waves, resonant plasma oscillations, electric currents.

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