

Solar wind and IMF interactions with comet 67P

The aim of this talk is to present an overview of the evolution of the interplanetary magnetic field at comet 67P and its dependence on cometary activity as well as solar wind parameters. There have been several newly discovered features, like low-frequency waves and atypical draping, that have been found to depend heavily on cometary activity. Some features only exist at specific activity levels and others change with it. In general, the magnetic field is often dominated by large scale ($\Delta B/B \sim 1$) fluctuations which are related to the diurnal variations in outgassing rate. Contrary to that the field strength is primarily given by the solar wind conditions.