



Figure 1: “Transit”, one of the phenomena of Jupiter’s moons

A series of “eclipse”, “transit” and “occultation” phenomena of Jupiter’s Galilean moons will happen within a few hours on June 11 and 12. (Image created with WinJUPOS version 11.0.5, <http://www.grischa-hahn.homepage.t-online.de>)



Figure 2: Partial solar eclipse

About 85% of the solar disc area will be blocked at the greatest eclipse on June 21.



Figure 3: Jupiter-Saturn conjunction

Jupiter and Saturn will be extremely close to each other on December 21, which is a rare phenomenon repeating roughly every 20 years. (Image created with WinJUPOS version 11.0.5, <http://www.grischa-hahn.homepage.t-online.de>)



Figure 4: Meteor showers

A meteor shower occurs when the Earth encounters a relatively dense region of meteoroids in space. (Courtesy of Yin Hao)