The BL Lac object OJ287

The BL Lac object OJ287 is one of the brightest and most interesting objects in the universe. The object has been studied extensively, and its properties have been measured with great accuracy. The measurements have been difficult to do in the previous months.

The observing measurements of OJ287 at THO

OJ287 has been observed at THO since December 2008. In October 2008, we have made 5 light curves. The measurements have been made at high accuracy for the observation period. The target has been targeted using the MaXiM DL software and the image subtraction functions of MaXiM DL were used to start observing the target. The target was observed using the MaXiM DL software.

Hunting for supernovae as the main research case

As much as 50 new supernovae discoveries were made worldwide in the 2007. Now all of the discoveries has increased during the past couple of months. The supernovae were found by the professional astronomers using the automation telescopes. The targets of our selected area are located high above the horizon, the faint targets are observed using the automation telescopes.

The first supernova discoveries in Finland

The first supernova discovered in Finland was at THO in the 1980. It had been imaged at THO after that we obtained a few more images with longer exposure time. The object was called as a type Ia supernova by The Whipple Observatory.

The gamma ray bursts, GRBs

Swift satellite can observe gamma ray bursts (GRBs) from distant cosmological objects. The GRBs provide a unique opportunity to study the nature of black holes. The GRBs are incredibly bright, fading rapidly, and can be seen at great distances. They are often used to study the properties of black holes.

Our main plan in developing THO is to provide our observatory with a new robotic mount. At THO the 30 of March in 2008. They used 25 sec. exposure time with clear filter. This time UGC 10704 which has a distance of about 2,300 Mpc. The latest GRB was seen by naked eye. Its visual brightness was as high as 5.7 magnitudes.

Introduction

In this paper we discuss the results of our recent observations of the BL Lac object OJ287. We have used the MaXiM DL software and the image subtraction functions of MaXiM DL.

The third and this time the most recent supernova at THO was found at the 30 of March in 2008. That object was possibly the most distant object which could be discovered by the automation telescopes.

The gamma ray bursts are still a tantalizing hint of the star.