

METEOR SECTION OF THE ISRAELI ASTRONOMICAL ASSOCIATION

The IAA is a non-profit amateur and scientific organization dedicated to general astronomy. The Meteor Section's purpose is to observe and report meteoric activities to the International Meteor Organization (IMO) and to promote awareness of science, and of astronomy in particular, among the Israeli public. Our activities are published mainly in Habrany

The Meteor Section is the most significant organization for meteor observation and documentation in Israel. It includes about ten observers, led since 1998 by Mrs. Anna Levin, who previously led the Meteor Observing Station for the Crimean Astronomical Association.

Our activities during the major northern meteor showers are considered large-scale, especially considering the relatively small population of our country. Most of our observations take place at the Km101 lodge in the Arava relatively small population of our country. Most of our observations take place at the Km101 lodge in the Arava relatively small population of our country. Most of our observations take place at the Km101 lodge in the Arava relatively small population of our country. Most of our observations take place at the Km101 lodge in the Arava relatively small population of our country. Most of our observations take place at the Km101 lodge in the Arava relatively small population of our country. Most of our observations take place at the Km101 lodge in the Arava relatively small population of our country. Most of our observations take place at the Km101 lodge in the Arava relatively small population of our country. Most of our observations take place at the Km101 lodge in the Arava relatively small population of our country. Most of our observations take place at the Km101 lodge in the Arava relatively small population of our country. Most of our observations take place at the Km101 lodge in the Arava relatively small population of our country.



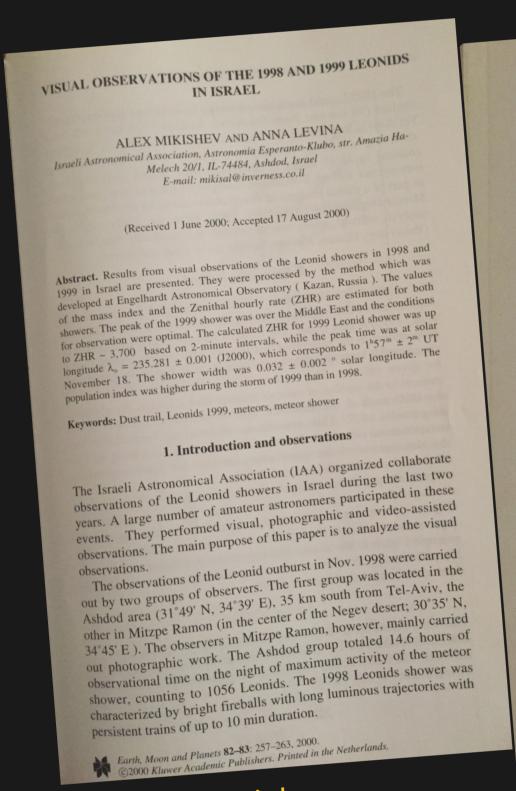
Perseids Meteor Shower Arava Israel 2015



Perseids Meteor Shower Be'er Menuha- August 2014



Perseids Meteor Shower Arava Israel 2015



Scientific article

MIKISHEV AND LEVINA VISUAL OBSERVATIONS IN ISRAEL changed from 1.77 at 00:40 UT, to 1.87 at 1:10 UT and 1.95 at 1:40 UT (or r increasing from 2.04 to 2.39). After that, rates increased so much that magnitude estimates were no longer complete. Note that Let us first consider the observations from the Leonid return of 1998. Arlt et al. (1999) found a constant r = 2.2 over this time interval. Let us first consider the observations. November 16-17, was divided.

The night of the shower maximum, November 16-17, was divided. The night of the shower maximum, thought, was divided into two time intervals. Figure 1 shows the meteor magnitude into two time intervals. Figure 1 shows of observation is not distribution for each time interval. The first hour of observation is not well characterized, with few Leonids observed. However, after 01b00m UT the luminosity function shows the expected exponential behavior. The averaged value of S for solar longitudes from 234.41 behavior. The averaged value of S 161 and 161 greates from 254.41 until 234.60 equals to S = 1.45 (or $r = 1.5 \pm 0.2$). The result is in good agreement with other estimates (Arlt, 1998). The ZHR at the time of the Israeli observations increased from 190 until 300 for solar longitude 234.46–234.55 (J2000), again in good agreement with Arlt Figure 3a. Two-minute time distribution of meteors counted by Anna Levina near the activity peak on November 18, 1999. Magnitude Figure 2. Luminosity function averaged for 2 experienced observers at Figure 3b. As Figure 3a for observer Shlomi Eini. three time intervals on the night of November 18, 1999. Figure 3a and 3b depict the rate of Leonid meteors from two experienced observers during the night of peak activity on Nov. 17/18, 1999. The temporal resolution is two minutes, with no smoothing applied. Observer Levina finds a fairly smooth curve, with 3.2. THE 1999 LEONIDS no clear evidence for filamentary structure. Observer Eini has some The mass index 5 during the 1999 Leonid storm was determined in three time intervals leading up to the peak (Figure 2). The value of S

Alex Mikishev and Anna Levin, "Visual observations of the 1998 and 1999 Leonids in Israel". on 1998-9 Leonid observations: In: Earth, Moon, and Planets, 82/83, 257-263 (1998)



Anna's accordion method



Successful night of observations during the 2007 Geminid Shower



Leonids Ramat Gan 1998





Perseids Arava Israel 2008



Perseids Jerusalem Israel 2009





Perseids Arava Israel 2015

