

Catalogue of LDE flares (1990–1991)

A. Antalová

Astronomical Institute of the Slovak Academy of Sciences

059 60 Tatranská Lomnica

Czech and Slovak Federal Republic

Received: September 24, 1991

Abstract. The continuation of the list of long-lasting SXR flares (type LDE) is given in Table 1. Table 1 contains the list of LDE flares observed from May 1990 to October 1991 and ties in timewise with previous paper (Antalová 1991). Table 1 is available in discette form. The temporal variations of the occurrence of the LDE flares (with the SXR duration exceeding 2 hours) throughout the 22nd cycle are considered. Figure 1 (see next page) illustrates the distribution of LDE flares observed from January 1969 to October 1991. The occurrence of LDE flares is given in Table 2.

Key words: Sun: flares

Cycle	(C-X)	(M-X)	(M-X) _N	(M-X) _S
20	1891	715	423	292
21	1519	816	416	400
22	2516	1021	422	599

Table 2. Total counts of LDE flares (January 1969–October 1991.)

References

- Antalová, A.: 1990, *Contrib. Astron. Obs. Skalnaté Pleso* **19**, 145
 Antalová, A.: 1991, *Contrib. Astron. Obs. Skalnaté Pleso* **21**, 205

Contrib. Astron. Obs. Skalnaté Pleso **22**, (1992), 227–228.

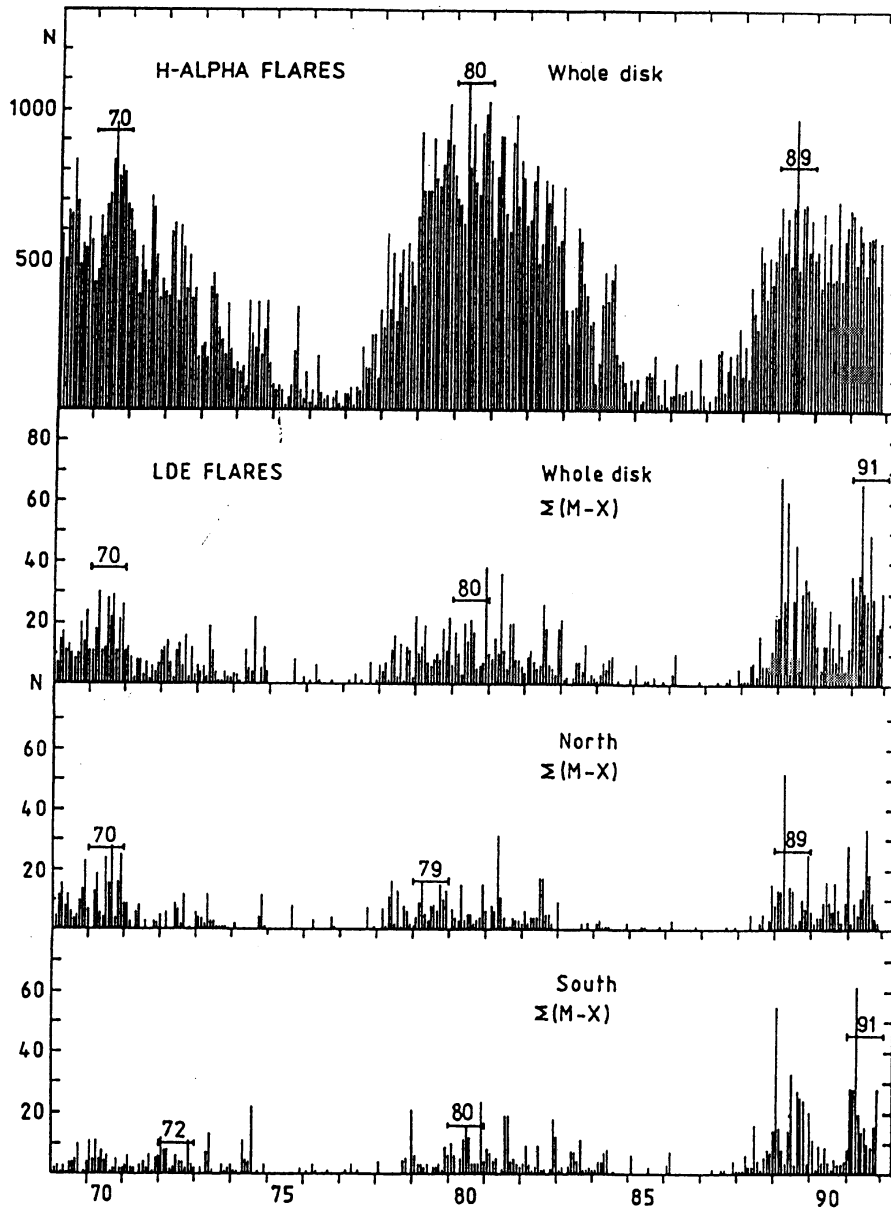


Figure 1. The monthly occurrence of the LDE flares of SXR classes (M-X) from January 1969 to October 1991. The maximal monthly occurrence in January 1989 ($N_W=68$, $N_S=55$) and March 1991 ($N_W=67$, $N_S=62$) belongs to the southern solar hemisphere. The maximal northern occurrence was observed in March 1989 ($N_W=60$, $N_N=52$).