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Konkoly Observatory
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FLARE STAR OBSERVATIONS DURING SATELLITE
X-RAY EXPERIMENTS

In IBVS No.466 the A.S. and E. group announced that the SAS-A spacecraft would be directed to survey flare stars during 1971. We have proposed that the following observing periods be utilised:

| | |
|--------|---------------------|
| YZ CMi | 25-31 January 1971 |
| YZ CMi | 19-25 February 1971 |
| AD Leo | 18-24 March 1971 |

Subject to the launch date of 12 December 1970, Dr. E. Kellogg, the Project Scientist for SAS-A project, has agreed that two days will be spent monitoring YZ CMi within the dates suggested in January. The exact dates will be announced 30 days in advance. Observations during the later periods will depend on the initial results and other commitments.

We propose to activate the optical flare star program of the Smithsonian Astrophysical Observatory using twelve Baker-Nunn cameras on these dates (Solomon 1968). We appeal to optical and radio astronomers to supplement this coverage. We draw the attention of potential observers to the recent prediction of x-ray emission from flare stars (Grindlay 1970); the intensity predicted is well within the range of the SAS-A spacecraft.

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References

Grindlay, J.E., Astrophysical Journal, 162, 187, 1970.
Solomon, L., Smithsonian Special Report, No.210, 1968

Note:

Should the dates mentioned be in conflict with the program of cooperative observations for 1971 to be named by Commission 27 we request immediate notification so that these proposed dates can be modified.