

P08a あかり 星形成 Mission Program AFSAS の現状

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AFSAS (ASTRO-F Studies on Star formation And Star forming regions) is one of the AKARI MP(Mission Program), aiming to study the star forming regions, formation of stars, and evolution of proto-planetary disk. AFSAS is based on a couple of observing program. Survey of Chamaeleon region is a unique observing program, which covers the regions at 9-170 micron with the slow scan mode of AKARI. AKARI slow scanning mode gains its sensitivities reaching detection level of the photosphere of sun like stars, and also remains wide spatial coverage enough to find out the "evolved young" stars departed from their parent cloud. Actual time scale in the proto-planetary stage will be determined by the quantitative samples of this survey. The second project is a legacy of AKARI observations, as its atlas of various star forming sites, including a deep survey for selected regions. We present the current status of our mission program and scientific topics with it.