

滞在型研究員報告書（様式2）

（2008 年 9 月策定）

国立天文台滞在型研究員の方には期間中の成果について報告をしていただくことになっております。このフォームに記していただき期間終了 2 週間以内に国立天文台研究支援係にご提出ください。なおこの報告書は研究成果の論文掲載前でも研究交流委員会の web 上に公開いたしますので、研究内容の詳細について記入していただく必要はありません。この研究の成果を学術誌等で発表するときはその旨を謝辞に記載してください。

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I. 滞在型研究員として国立天文台滞在中に行った活動について簡単にお書きください。

The primary purpose of my visit to NAOJ during the summer of 2011 was to continue my research collaboration on the multiwavelength observations of the Subaru Deep Field (SDF). One priority was to finalize the analysis of the deep U-band imaging of SDF I obtained with the Kitt Peak 4-m telescope. In collaboration with Dr. Kashikawa and his former student, I worked on the paper using these data to identify $z \sim 3$ Lyman-break galaxies in SDF using the "U drop-out" method. This paper is very close to being submitted for publication to the Astrophysical Journal. I also met with SDF collaborators at NAOJ and in particular worked on our large set of very deep infrared imaging of SDF.

II. 今回滞在型研究員として得られた成果について簡単にお書きください。

Some of the resulting work connected with this productive NAOJ visit has recently been published in, or submitted to Astrophysical Journal with first author former PhD student Chun Ly and other SDF collaborators. This work is an extension of Dr. Ly's PhD thesis at UCLA on galaxy evolution in the SDF.

III. この制度についてなにか御意見がありましたら、なんでも記入ください。

Since I currently do not receive funding from any other source for this work, the budget support of NAOJ was absolutely crucial for making this trip possible. Since I was able to supplement with personal funds, this allowed me to bring my family with me, staying in the family apartment of the COSMOS Kaikan. As a result I was able to stay considerably longer and get much more work done than if I had made a short solo visit to NAOJ.