

Education and Public Outreach Activities with Hinode Data

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Abstract. Hinode data are very important for not only investigating solar phenomena but also giving new knowledge about the sun to the public and the educational communities, such as public observatories, planetarium, science museum, and of course, schools. In order to help the educators to efficiently and actively use Hinode data, we organized the working group “PAONET Working Group for Public Use of Hinode Data”, namely “PAOHINODE”. PAONET means “Public Astronomical Observatory NETwork” that is one of astronomical educational organizations in Japan. It is a peculiar point that members of PAOHINODE are of both researchers and educators. That draw an interchange between researchers and educators, and promoting the various type of activities in collaboration. As our main activity, we have already produced two type of DVDs for introducing the observational results of Hinode. We produced first DVD “The Sun captured by Hinode” in 2008, and produced second DVD “Approach of Solar Mystery” this year. The first DVD contains two types of video movies introducing the initial observational results. The second DVD contains four kind of movies, one of which is produced for kids. The DVDs have already been delivered to the educational communities in Japan. Especially, we came true to deliver the second DVDs to elementary/junior high school as an option of semi-monthly science magazine “Science Window”. When releasing the first DVDs, we made some kinds of surveys for educators to confirm the efficiency of the DVDs. The results show that the DVDs are effective for education and public outreach. In case of the second DVDs, we promoted “solar campaign” for positive display of video movies in DVDs at the educational facilities. In addition of production of these DVD contents, we use Hinode data to develop educational materials and practice in schools. We carried out planning exhibitions at some

museums. In future, we would like to make a proposal of observation for education and outreach. In such way, our activities might be quite unique in that researchers/educators collaborate each other and a new style of education and public outreach. In this presentation , we introduce these activities in details and the public impact.