## Progress report of the HSC-SSP data release

H. Ikeda, H. Furusawa, T. Takata, M. Tanaka, Y. Yamada, M. Koike, S. Mineo, Y. Hayashi, Y. Oishi, S. Miyazaki, I. Iwata (NAOJ), N. Yasuda (Kavli IPMU), and HSC-SSP members

## Abstract

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The Hyper Suprime-Cam Subaru Strategic Program (HSC-SSP) is led by the astronomical communities of Japan and Taiwan, and Princeton University. In this program, we are carrying out a three-layered (Wide: 1400 deg<sup>4</sup>2, r~26; Deep: 27 deg<sup>4</sup>2, r~27; Ultradeep: 3.5 deg<sup>4</sup>2, r~28), multi-band (g, r, i, z, y, and four narrow-band filters) imaging survey with HSC on Subaru Telescope. By combining data from the three layers, we will address some of the most pressing problems in modern cosmology and astrophysics with a particular focus on grantational weak lensing, galaxy evolution, supernovae, and galactic structure. The survey is uniquely designed to enable various science cases, with particular attention to controlling systematic errors. The survey is awarded 300 nights over 5-6 years and it started in March 2014. The processed images and catalogs are made by utilizing the HSC pipeline. The catalog data are stored in postgreSQL database tables and can be retrieved with SQL scripts. In this poster, we will report the progress of the HSC-SSP data release



s16a\_udeep.forced WHERE

boxSearch(coord, 34.0, 36.0, -5.0, -4.5) AND imag\_kron < 25.5