The Lunar Orbiter Photographic Atlas Digital Archive. Jeffrey J. Gillis¹, Debra Rueb², James Cohen², Mary Ann Hager². 1. Washington University, Department of Earth and Planetary Sciences, St. Louis, MO, 63130, Gillis@levee.wustl.edu. 2. Lunar and Planetary Institute, Houston, TX, 77058.

Our objective [1] of digitally archiving all 675 plates from Bowker and Hughes’ “Lunar Orbiter Photographic Atlas” [2] is nearing completion. Each Lunar Orbiter 16” x 20” print was captured using the Olympus D-600L digital camera and digitally recorded as a ~1 megabyte, grayscale, jpeg formatted image. Image resolution is 300 m/pixel or 60% lower resolution than the original hardcopy print.

The spreadsheet below reveals our progress in this effort over the past year. Each image with an “x” to its right is currently in the online database [3]. The online version allows the database to be queried by Feature Name, Image Number, and by a user defined latitude and longitude range.

While the online version of the data is nearly complete we hope to have a CD-ROM, with graphical interface capabilities, ready for distribution by LPSC XXXI (the cost of CD is undetermined at this time).

Acknowledgements: This work is supported by LPI and NAG5-6784.
