

Evaluation of CLEMENTINE-HIRES images based on their header information

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The Clementine HIRES (HIgh RESolution) images have high resolution of about 10m per pixel at maximum, and are expected to give us information about details of lunar surface features. However, there are only a small number of HIRES images showing surface features clearly, and most of them are non-exposed, black images or, bright but showing no distinct features. Thus, it is required for image users to build a method to find usable images from numerous image data. Some information about images is attached to headers of files, so that we attempted to evaluate image qualities using this information. We found that most of usable images can be selected, but some of them, mainly taken at mid- to low-latitude, cannot be chosen by this method.