

To whom it may concern:

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I would like to certify that the *Quick Reduce* tool produced by the Brazilian Consortium of the Dark Energy Survey (DES) Collaboration, under the leadership of Dr. Luiz da Costa, is a mature product of great value in ensuring high quality scientific data from the Dark Energy Camera (DECam). *Quick Reduce*, as its name implies, calculates parameters for a selectable subset of the CCD images from DECam shortly after the data are taken. These can be used to make adjustments to the observing protocols in near real-time, and also provide a detailed record of the instrument performance over the course of a whole night, or a longer period. It was originally expected that the tool would be rather "light weight", but this is not the case, *Quick Reduce* is extremely capable, and is "light" only in the sense it is really fast and efficient, not in its capability. It is easy to use, and can be configured to requirements. Further work is planned to add new, useful features. Apart from its use for the DES itself, *Quick Reduce* would be of great value for other users of DECam and I hope this extension of its use will be possible. I strongly endorse its value, and hope work can continue to refine it to make it of even greater utility.



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