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Subject: Re: MPEG to FITS CUBE

Posted by [Bringfried Stecklum](#) on Sat, 05 May 2007 20:42:52 GMT

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Hi Doug,

to my knowledge IDL does not provide direct support for reading MPEG.  
However, there is some code around which provides this functionality, e.g.

[http://www.tasc-infm.it/research/xstm/staff/heun/idl/pro\\_help.html#READ\\_MPEG](http://www.tasc-infm.it/research/xstm/staff/heun/idl/pro_help.html#READ_MPEG)

This is just a wrapper which calls external software to convert the movie into a sequences of still images. I would do it using mplayer which also offers jpeg as output format.

mplayer -vo jpeg hhh.avi

will generate still images which can be read with read\_image. For gray scale images it is fairly easy to stack them into a FITS data cube. In case of RGB frames one has to think of how to interleave them.

Perhaps you can be a bit more specific why do you want to do this conversion?

with kind regards,

Bringfried

currie@umd.edu wrote:

- > Do you know how I might convert an mpeg file (a video recording) into
- > an fits cube?
- > I have found many discussions on the reverse (IDL to mpeg) but none on
- > mpeg to IDL/fits.
- >
- > Thanks
- >
- > Doug
- >