

# Dynspec Toolkit Container (DTC): The Jupiter Tutorial

This page provide to DTC users a tutorial to familiarize with the use of the DTC. DTC is documented on this page: [http://www.lofar.org/wiki/doku.php?id=public:user\\_software:dynspec](http://www.lofar.org/wiki/doku.php?id=public:user_software:dynspec)

## Download Jupiter Data for the tutorial

Use the following link to download the 300 Mb of the ICD6 Jupiter data: [DATA](#)

Unzip:

```
unzip Jupiter.zip
```

In contrast to the other tutorials, the Jupiter data are already in dynspec format (ICD006). User can plays with these data, visualize, convert to linear polarization, rebin them etc ...

## Visualization with Dynspec-Visu



(click for larger version!)

## Generate a dynspec with Linear, PA and Total polarization

Type the following command line in a terminal:

```
Dynspec-LinPol --outDir=$OUTPUT_DIR --ID=L85949 --filename=$FILENAME --RAM=1
```

Remember that the “-ID” keyword just determines the output filename ([dynspec\\_tools#tools\\_sub-package](#)).

The following text will appear on your terminal:

```
vilchez@lce010:/data/scratch/vilchez/Jupiter$ Dynspec-LinPol --outDir=/data/scratch/vilchez/Jupiter/ --ID=L85949 --filename=/data/scratch/vilchez/Jupiter/Dynspec_rebinned_L85949_SAP000.h5 --RAM=1
Linear Polarisation Process Finished

Duration of processing: 2.3 s
```

Visualization with Dynspec-Visu (linear polarization):



(click for larger version!)

## Conclusion

Now, we investigated all DTC functionalities.  
In case of questions mail to: [vilchez@astron.nl](mailto:vilchez@astron.nl)

## Return links

Return to main page: [Main Page](#)

Continue with other tutorials:

- Sun tutorial: [The Sun](#).
- Cas A tutorial: [Cas A](#).

From:  
<https://www.astron.nl/lofarwiki/> - **LOFAR Wiki**

Permanent link:  
[https://www.astron.nl/lofarwiki/doku.php?id=public:user\\_software:dynspec\\_tutorial\\_jupiter&rev=1415869904](https://www.astron.nl/lofarwiki/doku.php?id=public:user_software:dynspec_tutorial_jupiter&rev=1415869904)

Last update: **2014-11-13 09:11**

