



CARTA

ASIAA CASA Development Center (ACDC) acknowledges the grant from the National Science and Technology Council for the ALMA-NA collaboration

Cube Analysis and Rendering Tool for Astronomy

Next-generation image visualization and analysis tool designed for ALMA, VLA, and SKA pathfinders

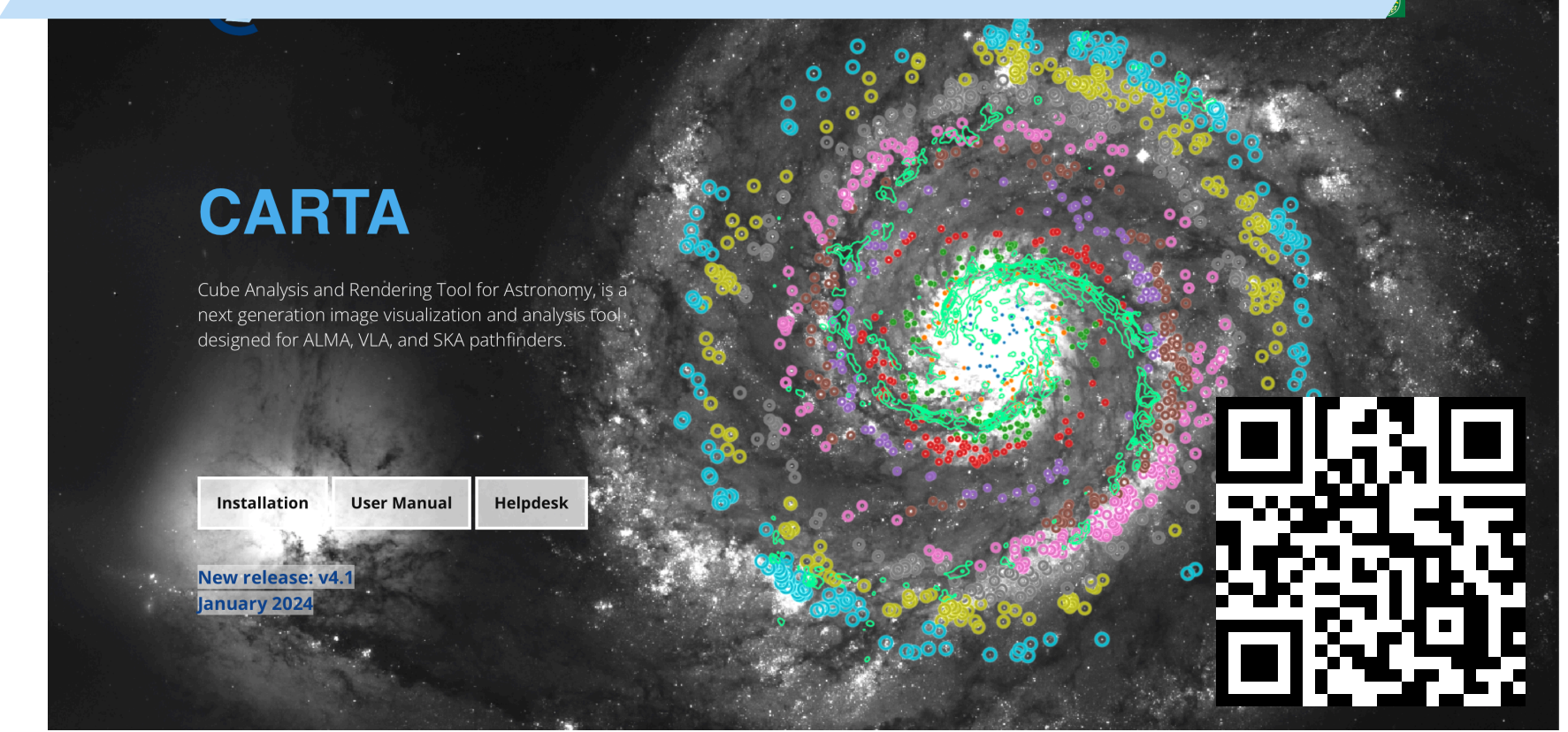
e-Poster



ASIAA	Yu-Hsuan Hwang, Cheng-Chin Chiang, Tien-Hao Chang, Kuan-Chou Hou (presenter), Kuo-Song Wang, Chin-Fei Lee
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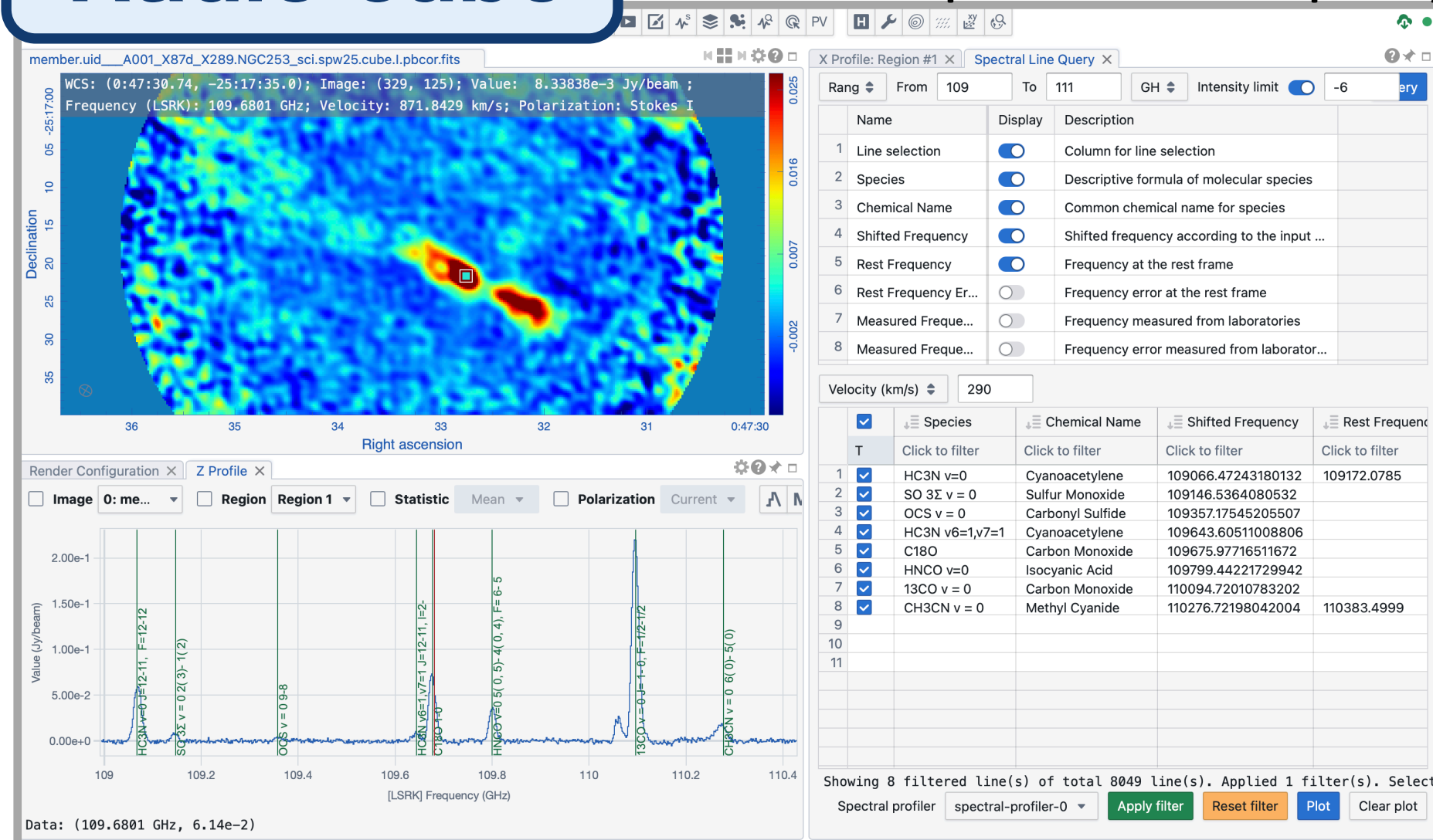
<https://cartavis.org>



CARTA supports various data

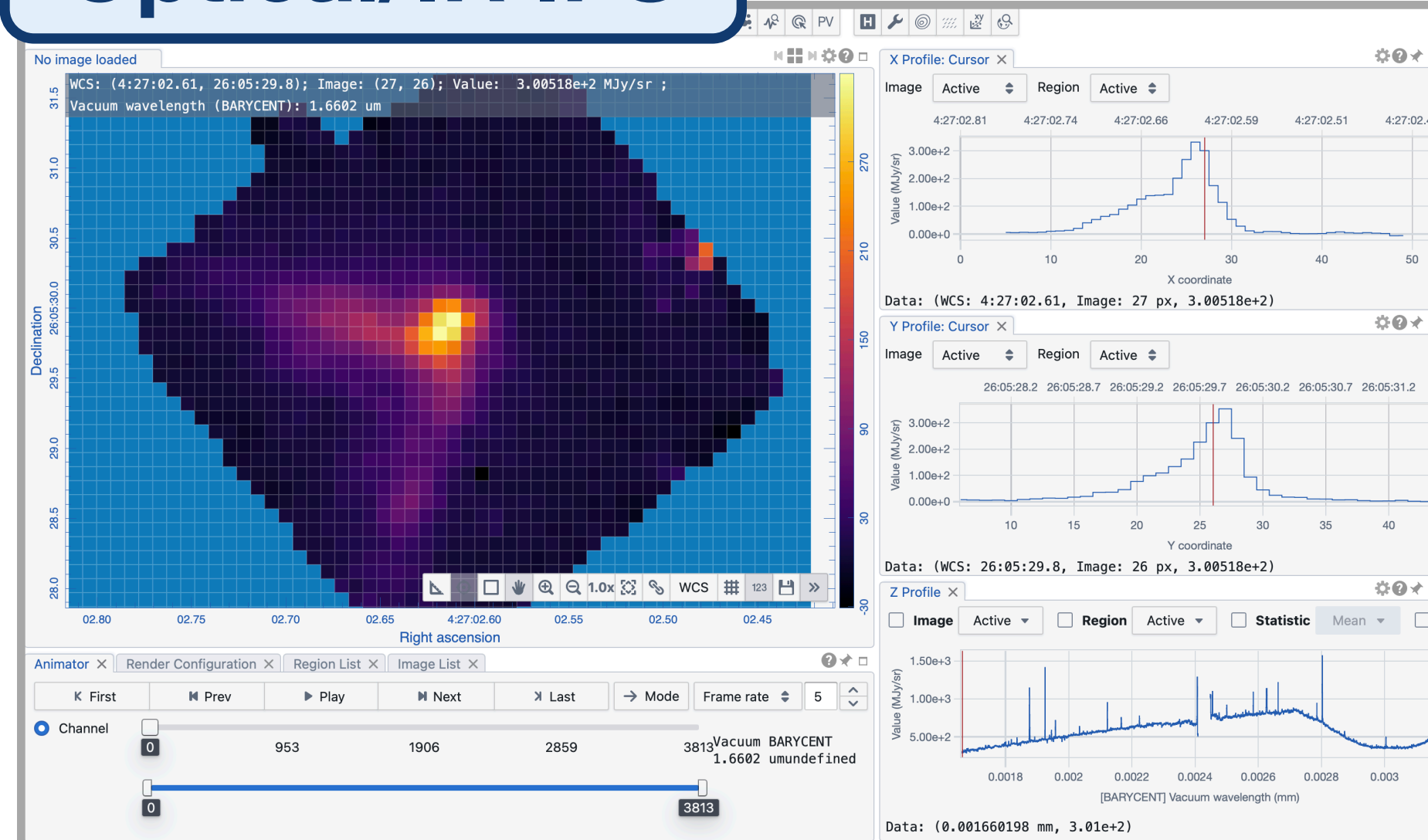
Radio cube

#ALMA #spectral line query



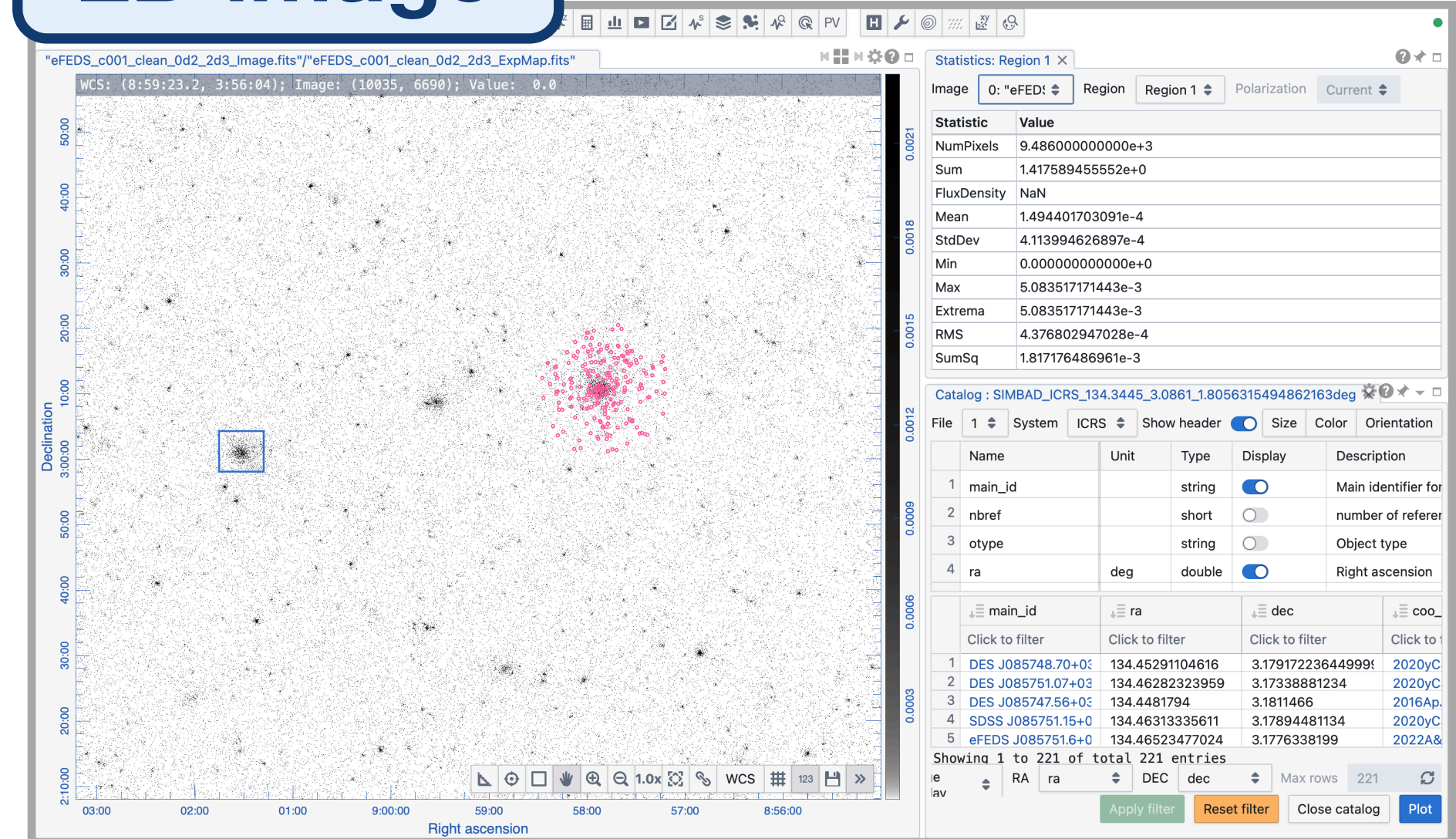
Optical/IR IFU

#JWST NIRSPEC



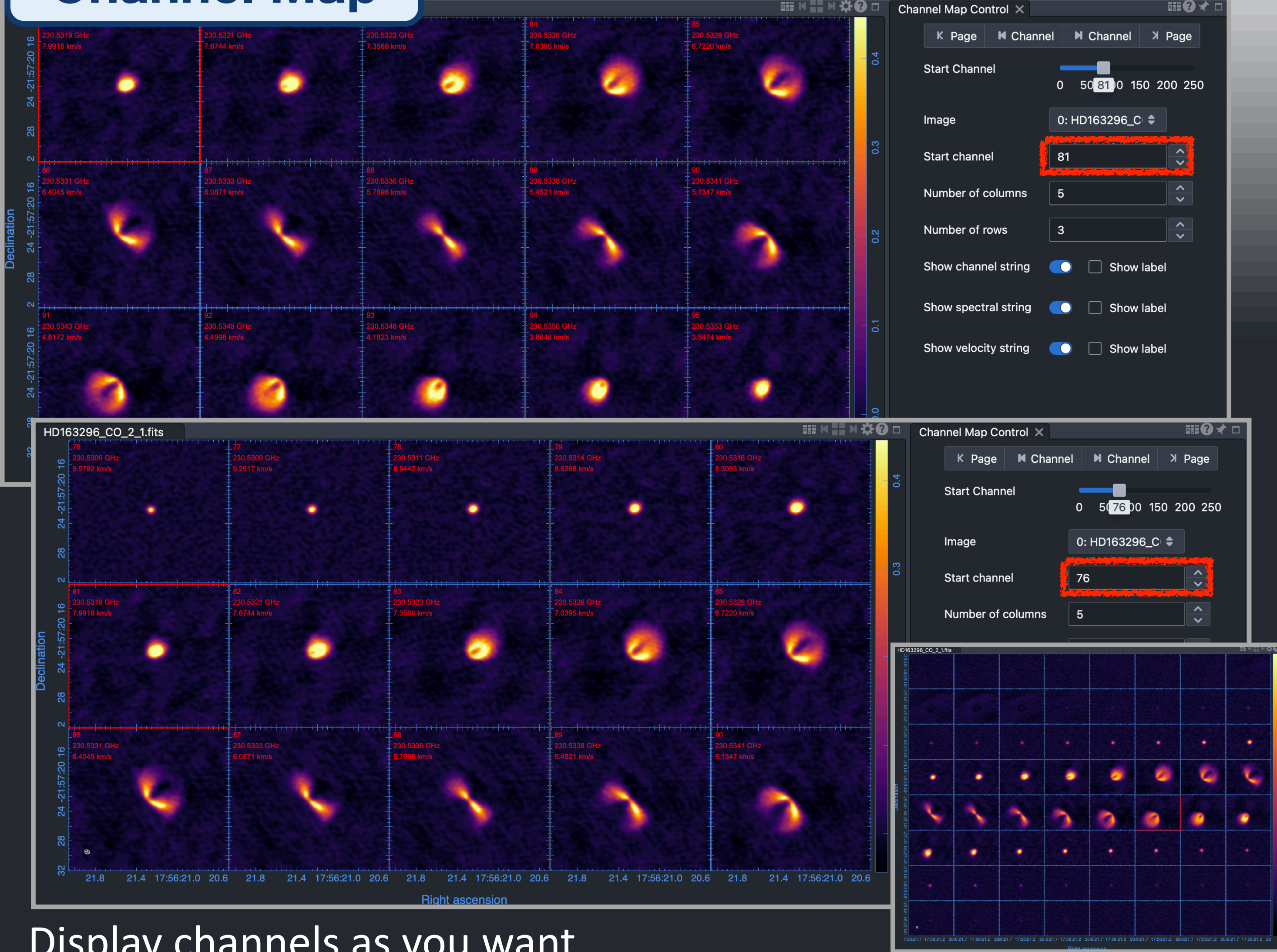
2D image

#eROSITA #catalog #statistics

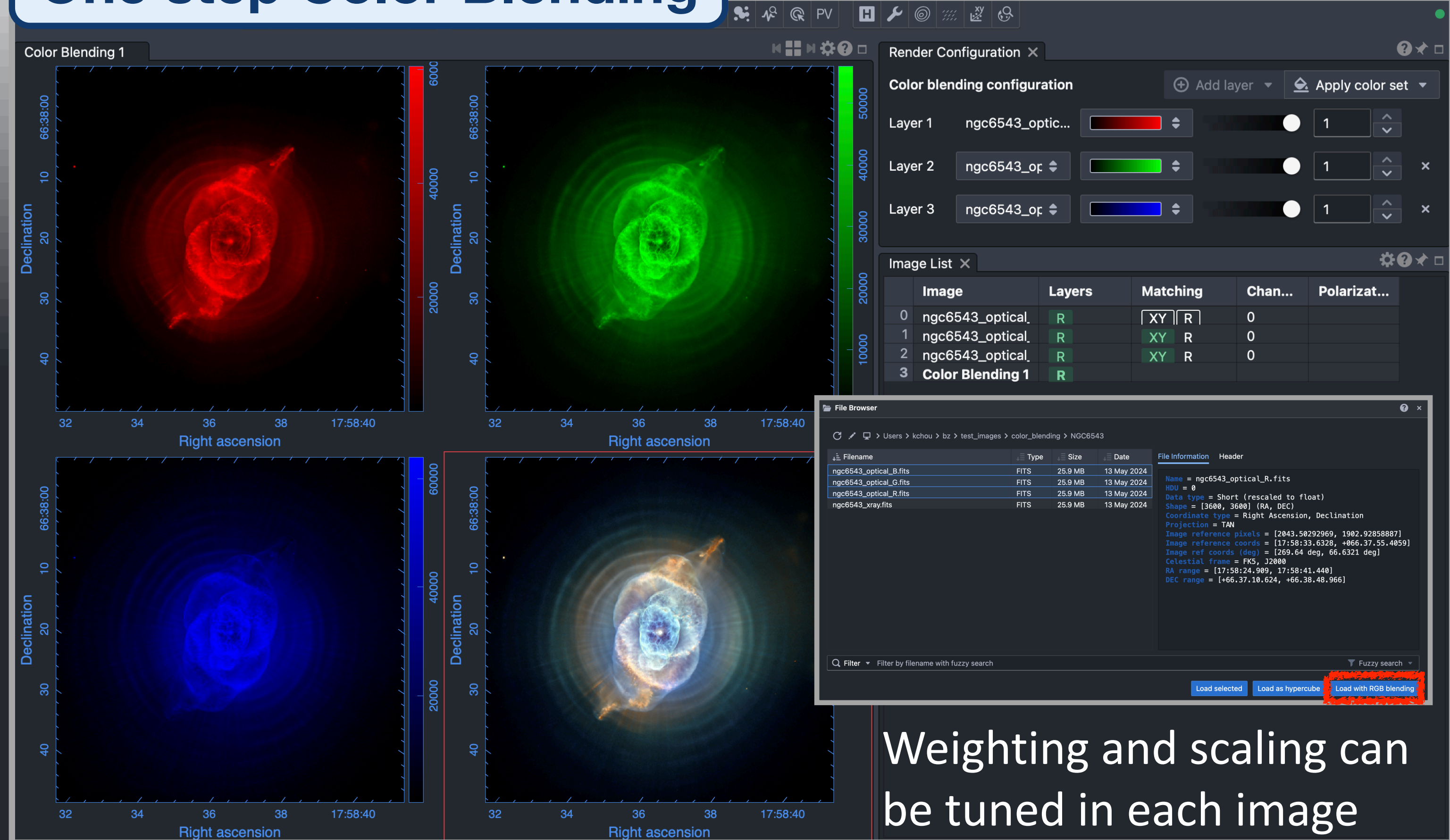


CARTA is easy to use

Channel Map



One step Color Blending



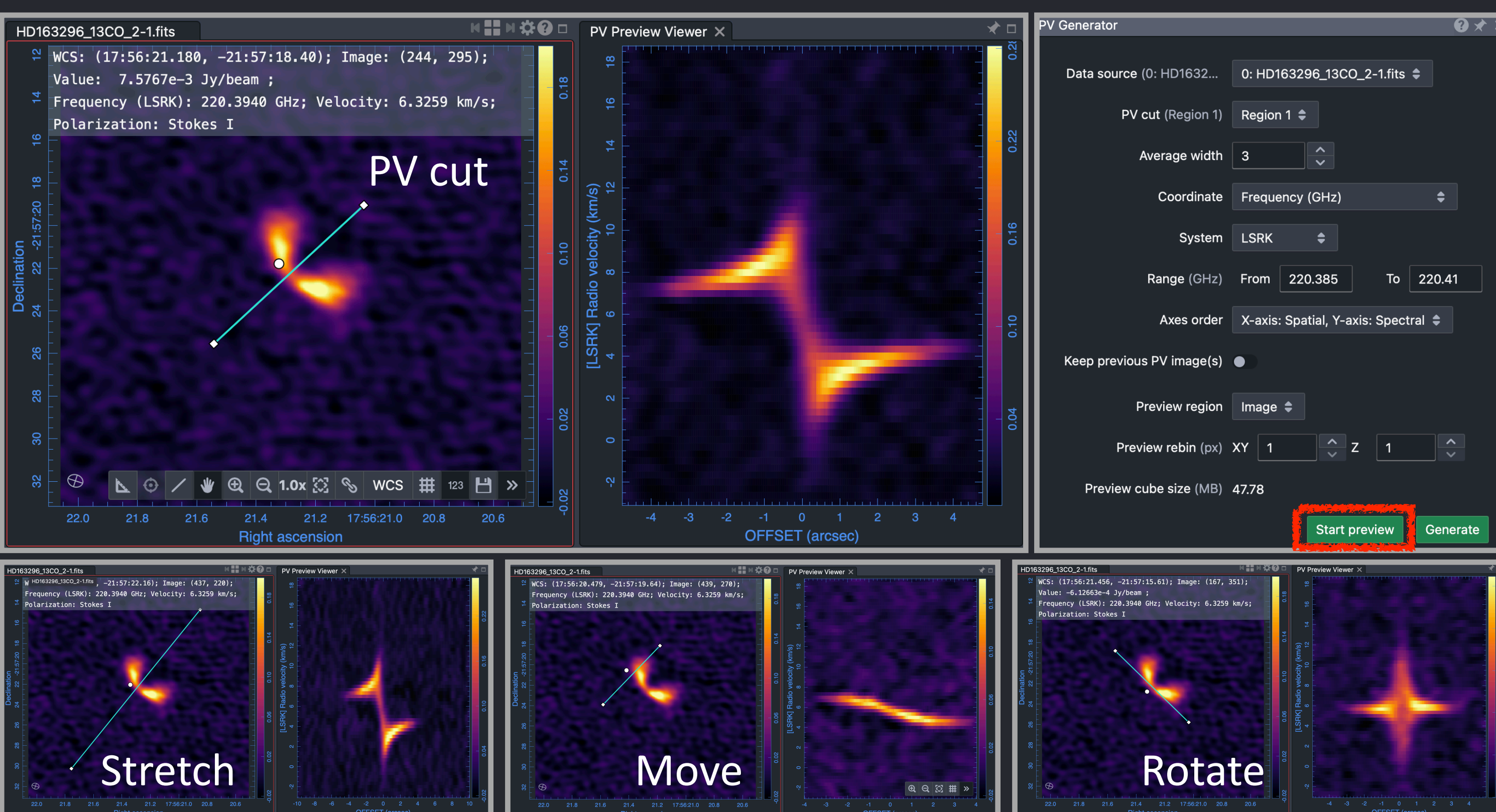
CARTA has more

Display channels as you want

CARTA is highly interactive

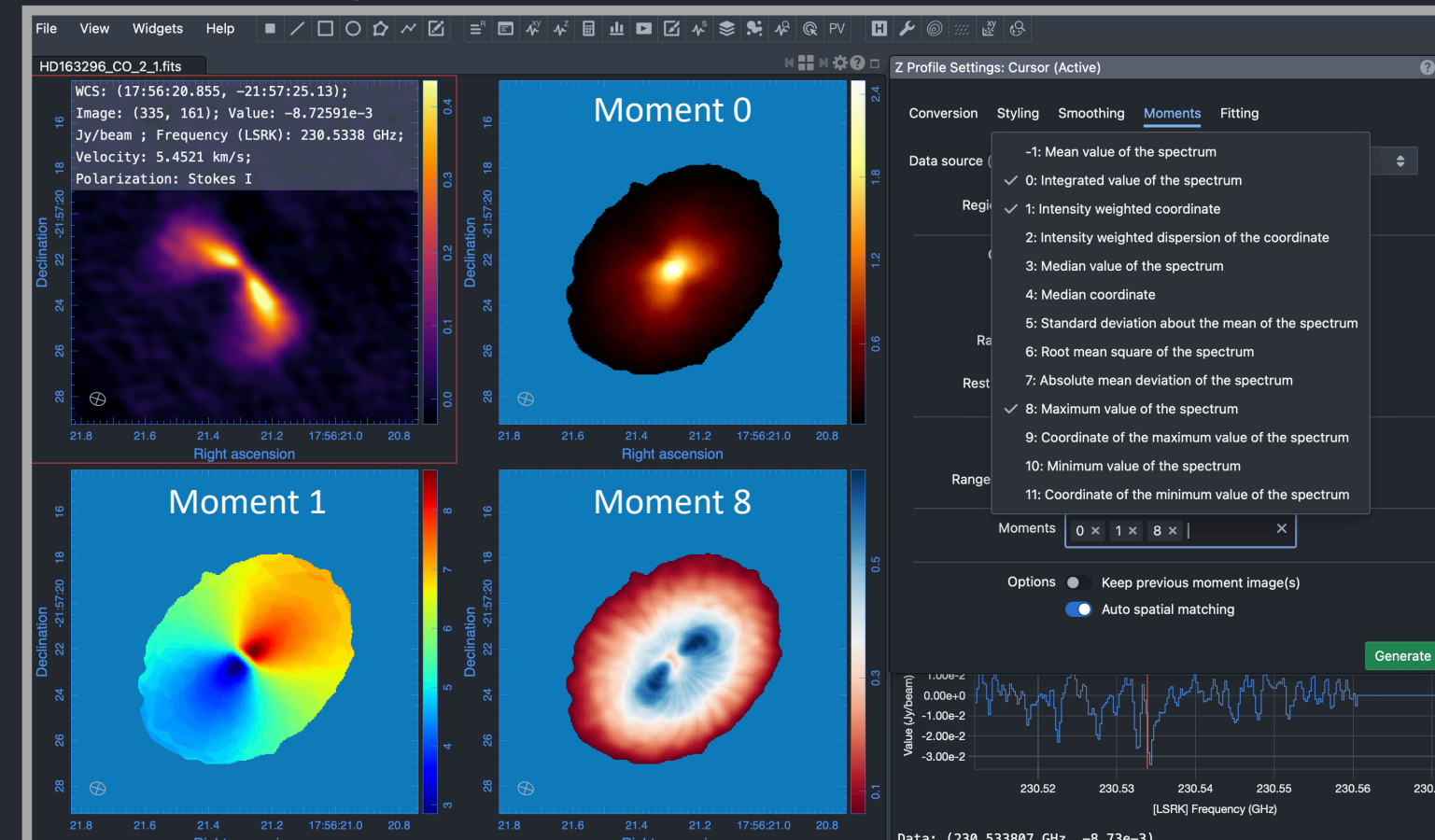
Interactive PV

Explore PV diagram on the fly



Automatically apply layout when loading file

Moment maps



Matching and contours

