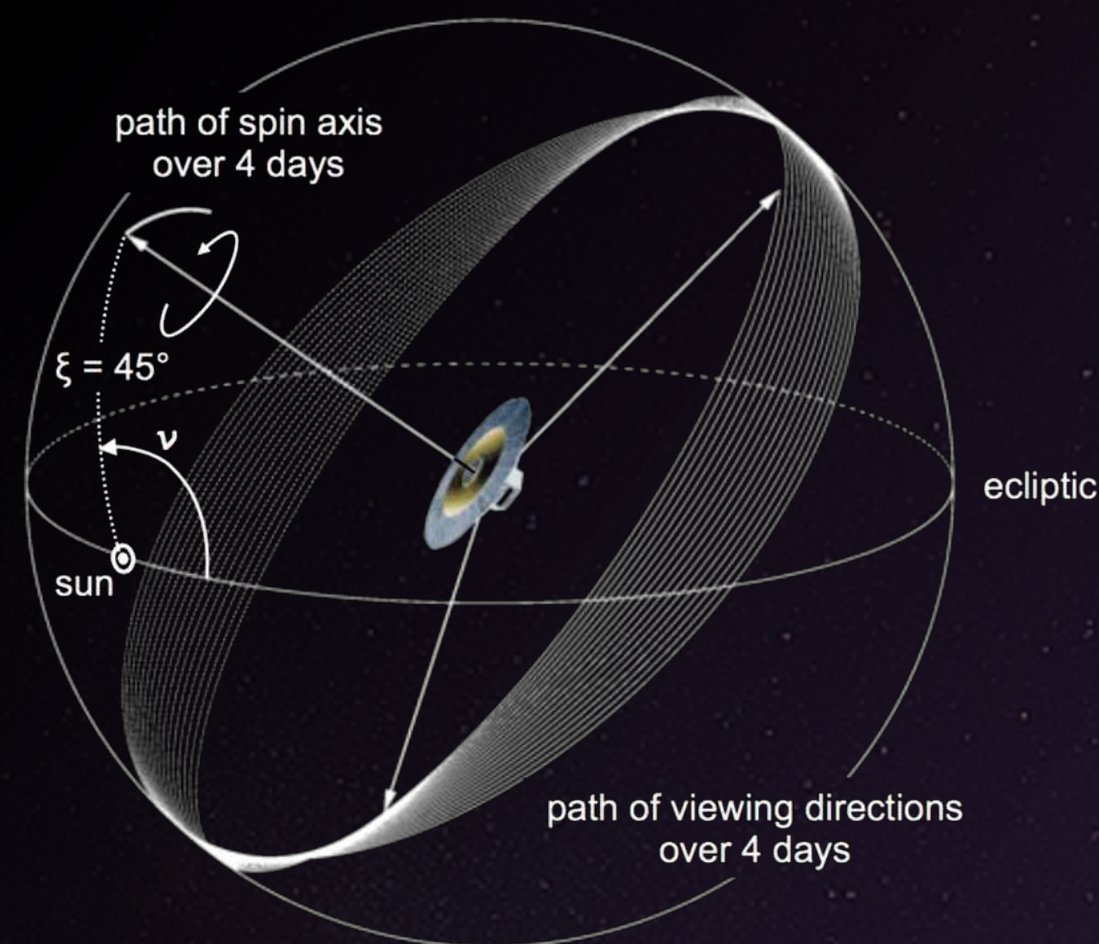
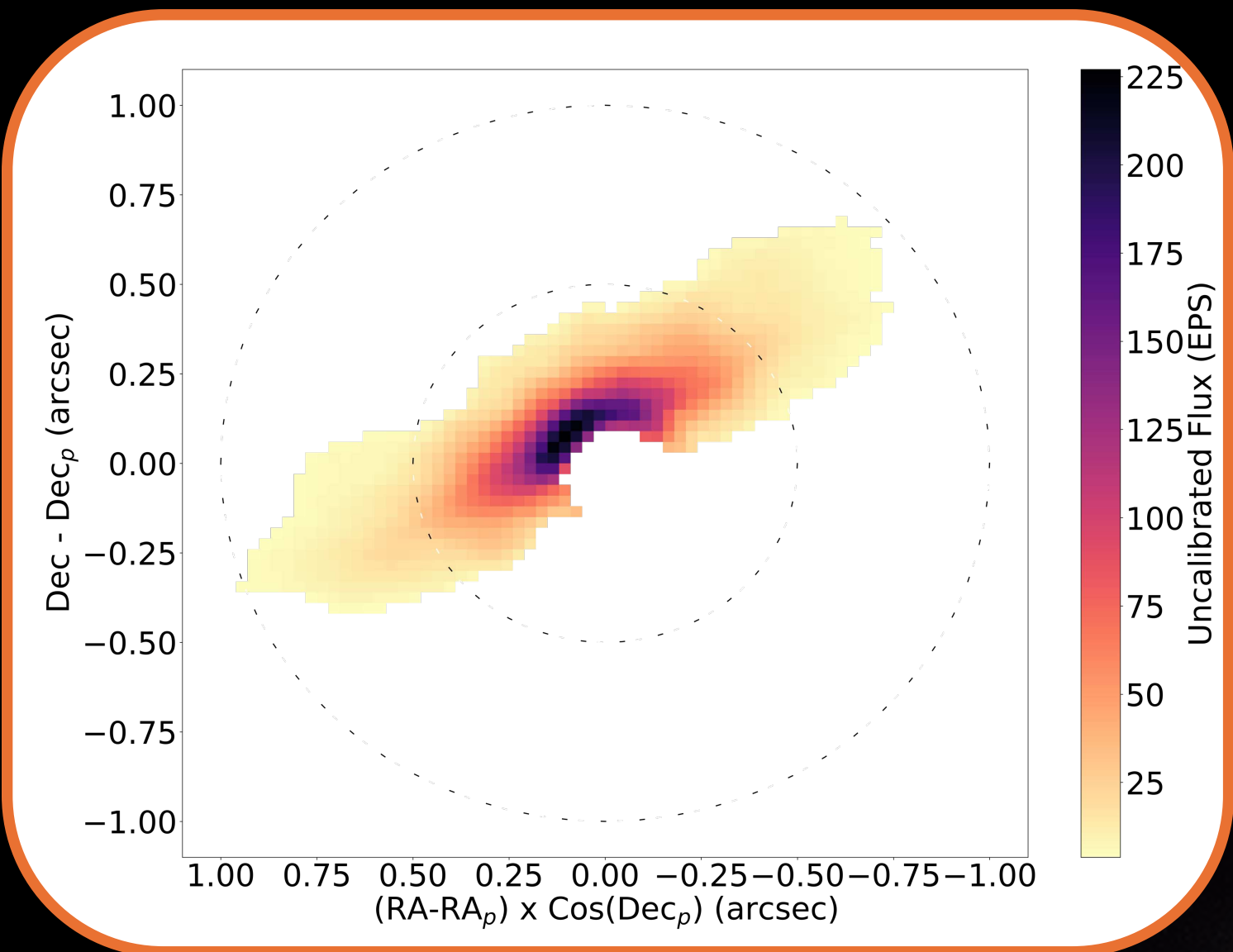
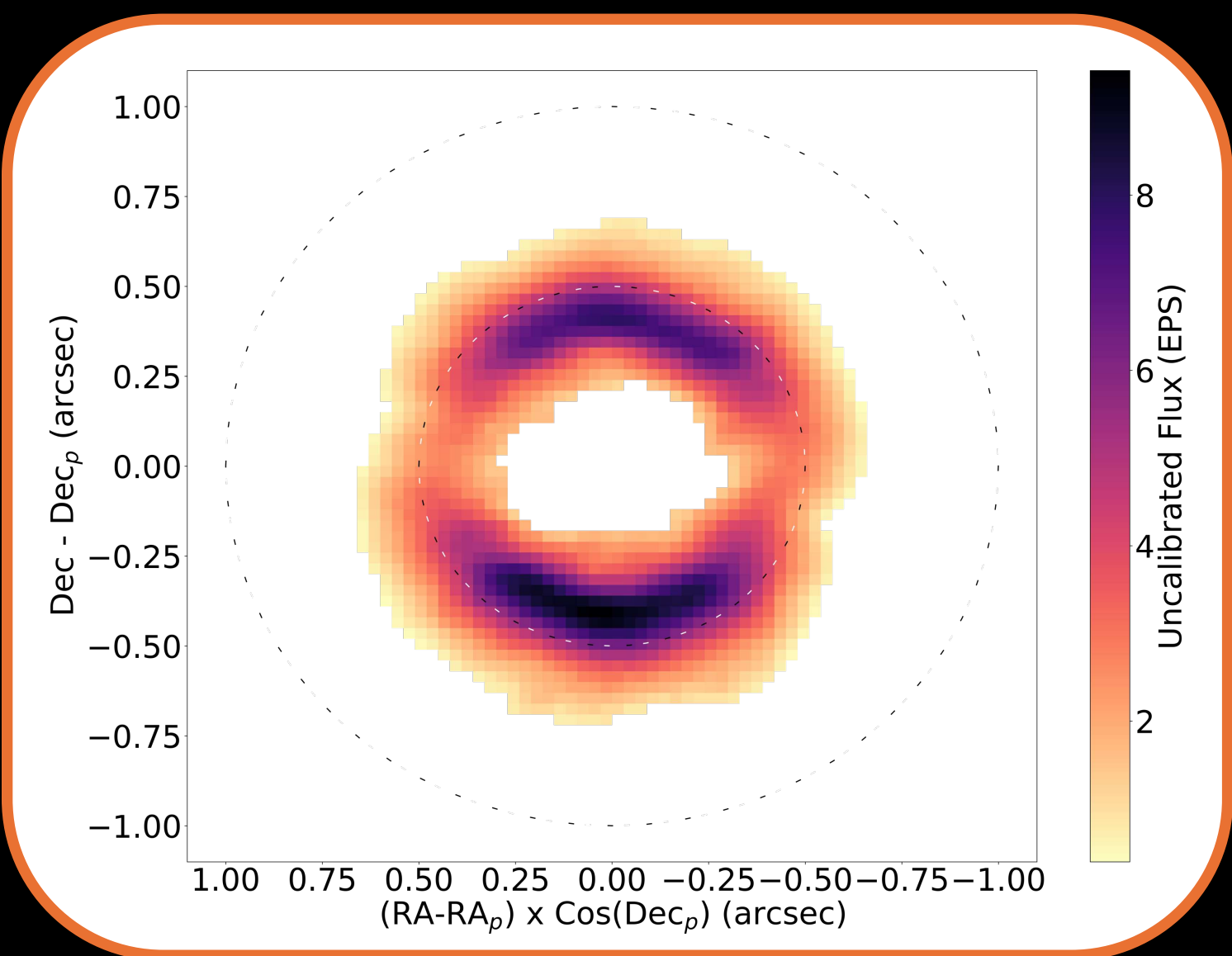


COMING SOON IN GAIA DR4

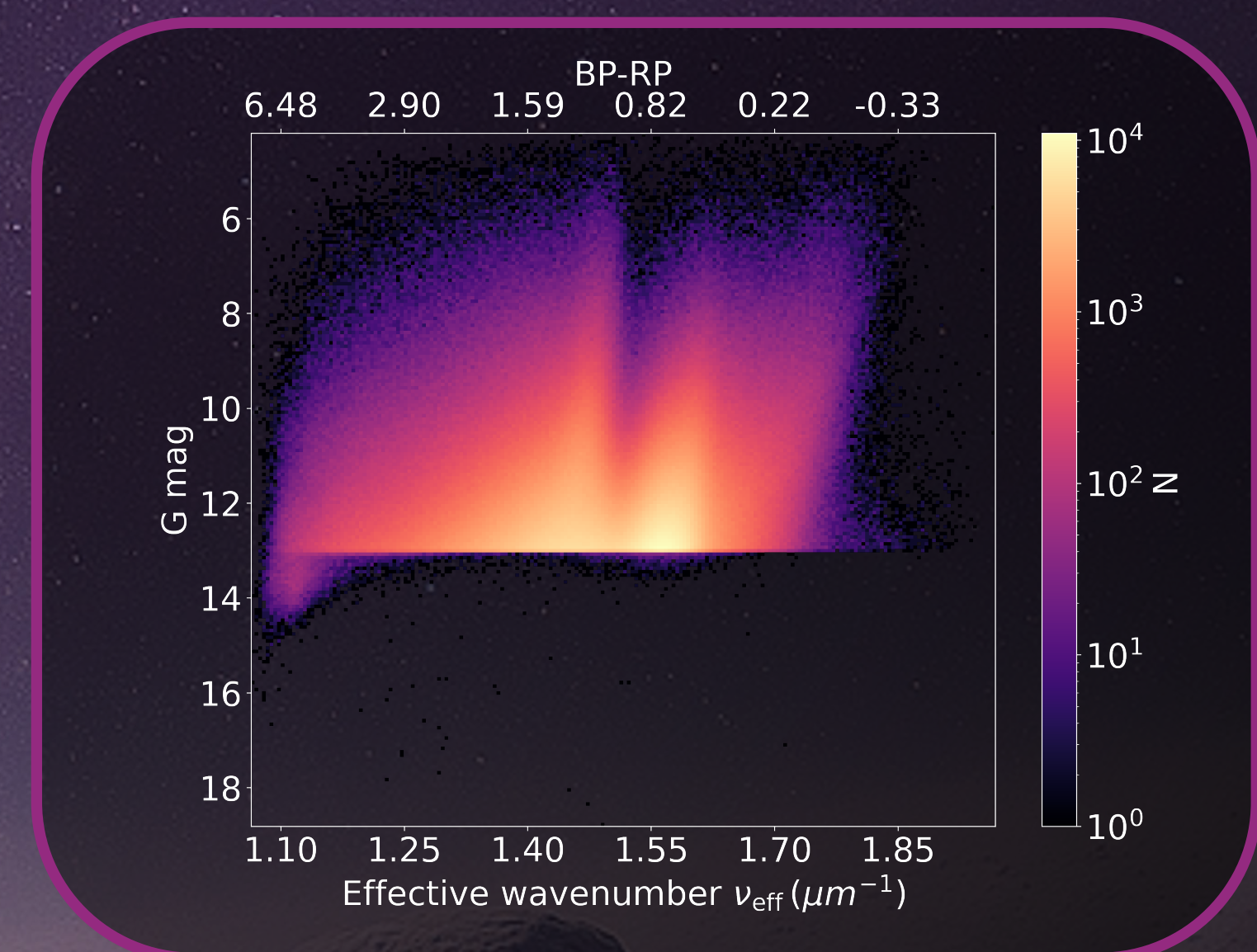
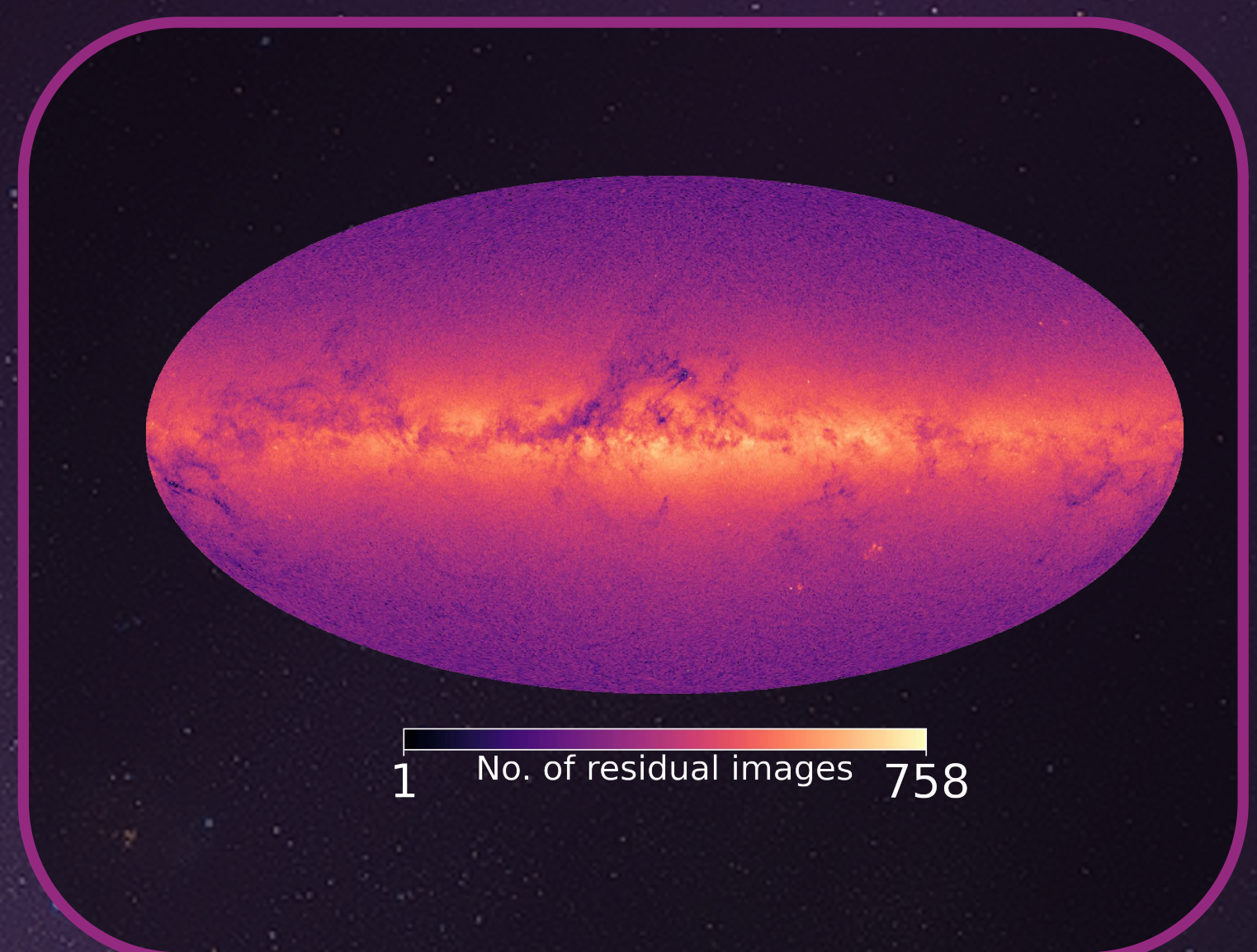
images of scattered light from
protoplanetary disks, debris disks
and dusty circumstellar
environments around evolved stars.

The accompanying paper
will describe the catalogue of
G-band residual images and
characterise their sensitivity.
Enabling a survey of diffuse
light emission in the vicinity of
>7 million Gaia sources



DiffuseLightPipe removes the
flux of the central Gaia source
from all the observations and
constructs the residual image

The most visually obvious
examples of diffuse emission
occur in two main regions in the
Hertzsprung–Russell diagram.
One is associated with evolved
stars and the other sits above
the main sequence and is
suggestive of young stars



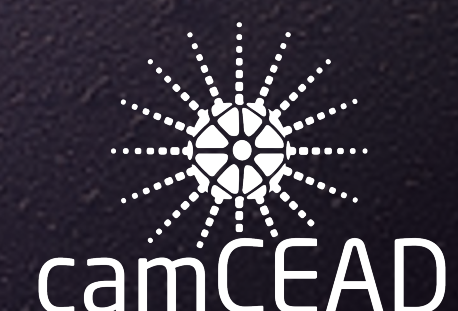
RELEASE DATE: 2 DECEMBER 2026

Gaia Data Release 4: Diffuse light imaging

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