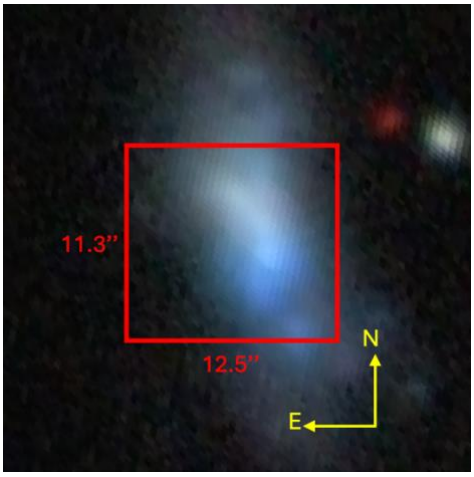


J1105+4444

11:05:08.16
+44:44:47.4

z_{spec}	0.02154 [0.00001]
Hubble distance (CMB)(Mpc)	98.64 ± 6.91
Diameter (")	40.33
Diameter (kpc)	19.79
Object type	Galaxy
Morphology	Irr

SIMBAD : https://simbad.cds.unistra.fr/simbad/sim-id?Ident=%404699439&Name=%5bBKD2008%5d%20WR%20276&submit=submit

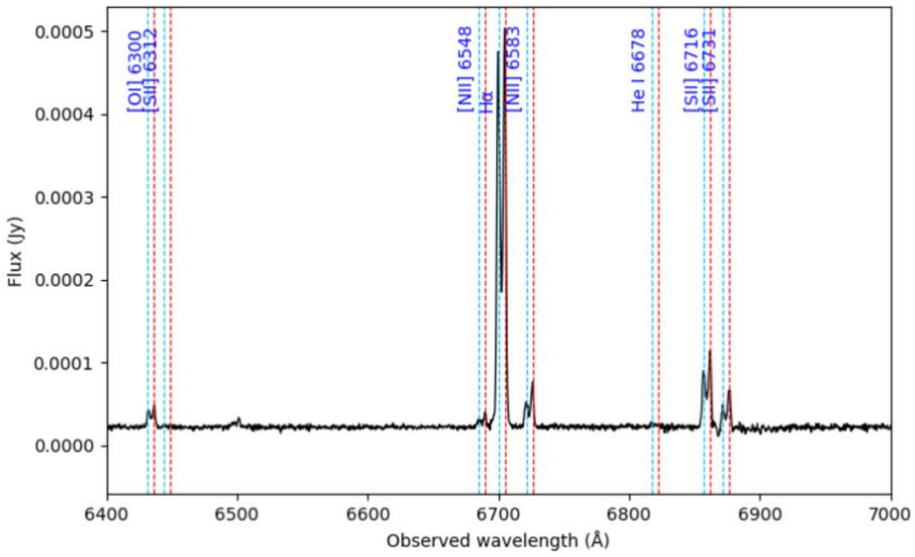
NED : https://ned.ipac.caltech.edu/byname?objname=MRK+0162&hconst=67.8&omegam=0.308&omegav=0.692&wmap=4&corr_z=1

12+log(O/H)	Log M	Log SFR	Log sSFR	O32	n_e[SII]	T_e[OIII]	E(B-V)
8.12	8.69	0.56	-8.13	2.66	141	10680	0.16

Derived properties from CLASSY (https://www.danielleaberg.com/classy, target 35 of the sample)

This galaxy exhibits two distinct regions from a spectroscopic perspective: one region where the spectra display single-peaked lines (A System) and another region where the spectra feature double-peaked lines. The new object responsible for the second peak has been named the B System. The calculated redshifts for each are as follows:

$$z_A = 0.02166$$
$$z_B = 0.02088$$

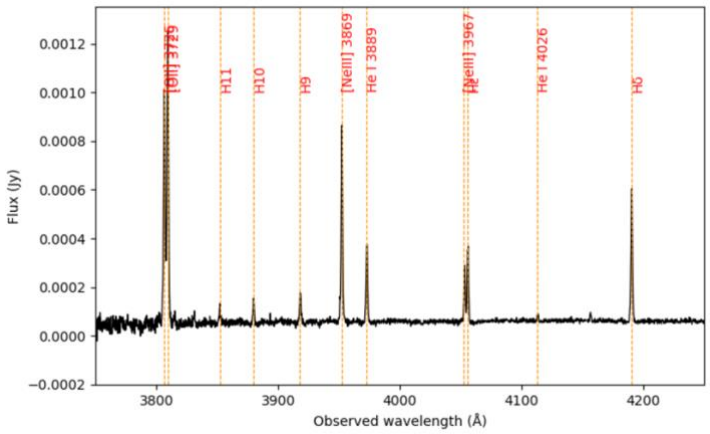


Spectrum with double-peaked lines in LR-R (spaxel 429)

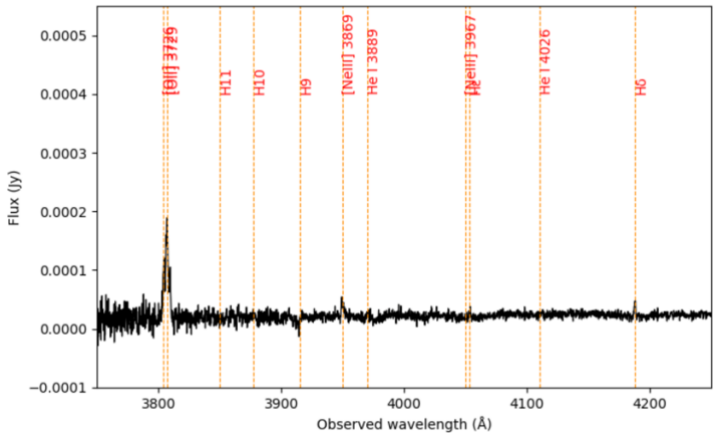
Spectra from the brightest spaxels

LR-U

A system (402)

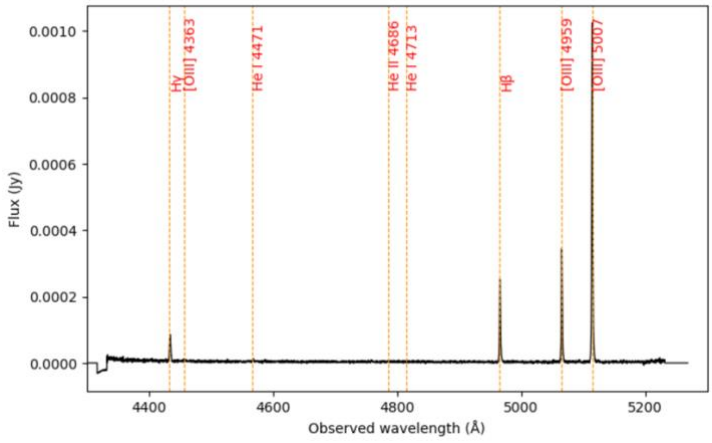


B system (428)

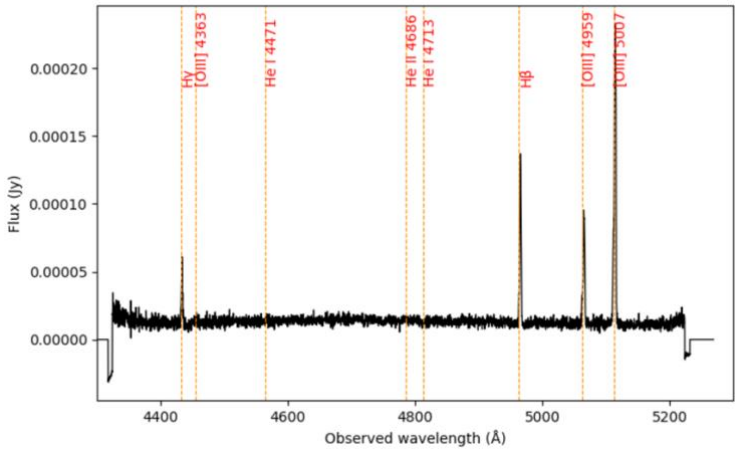


LR-B

A system (291)

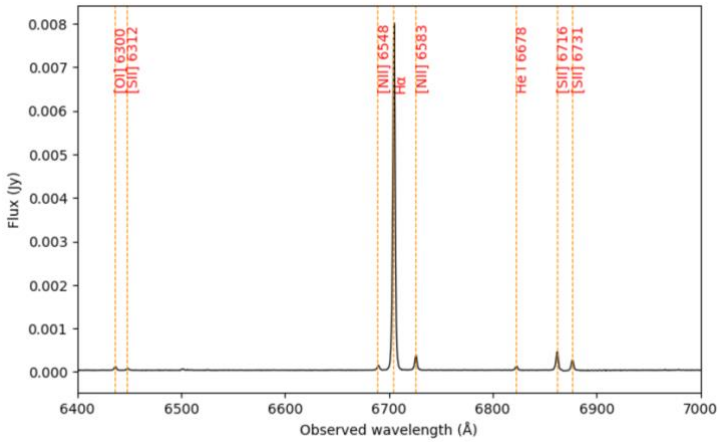


B system (141)

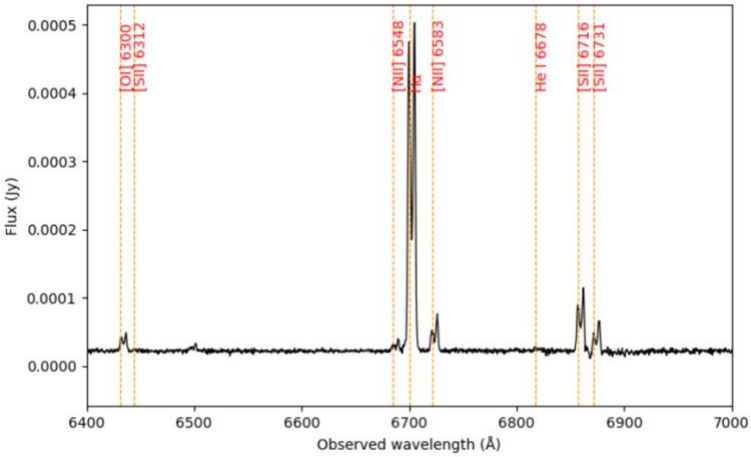


LR-R

A system (289)

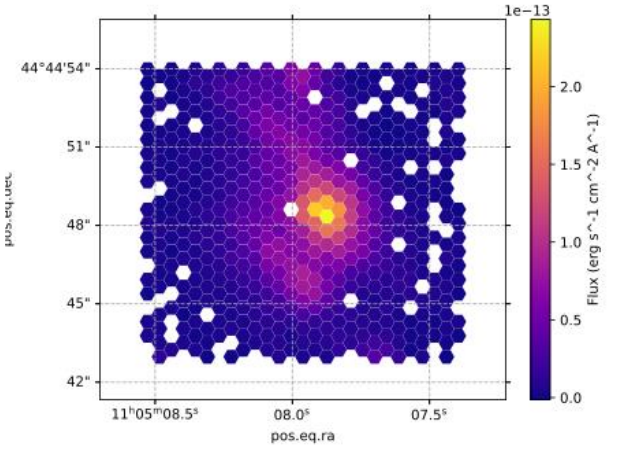


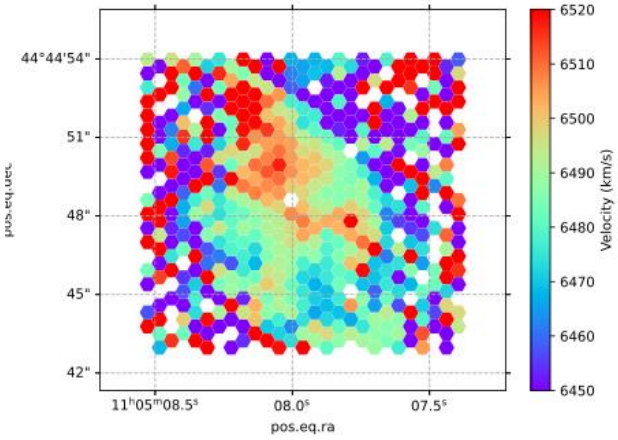
B system (532)

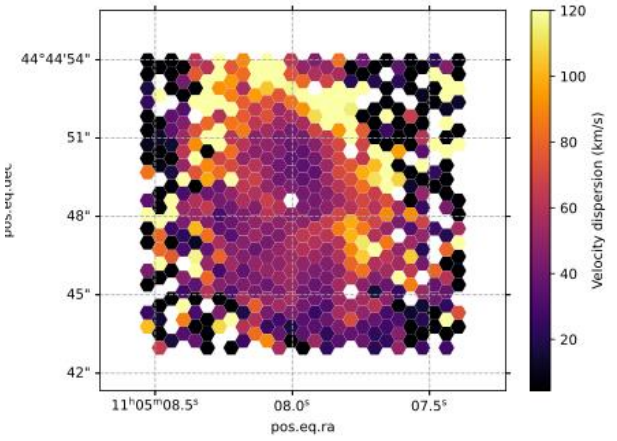


[OII]3726

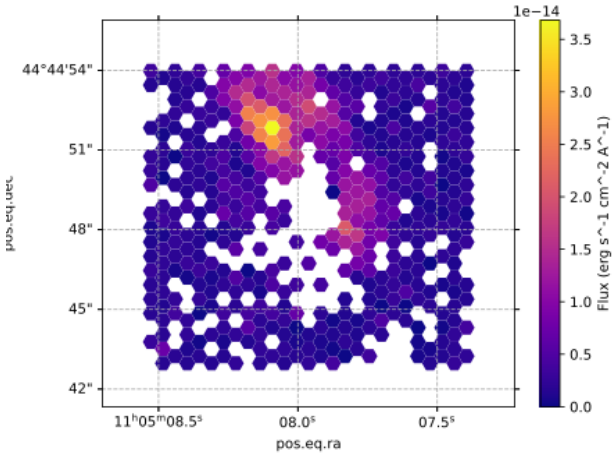
A system

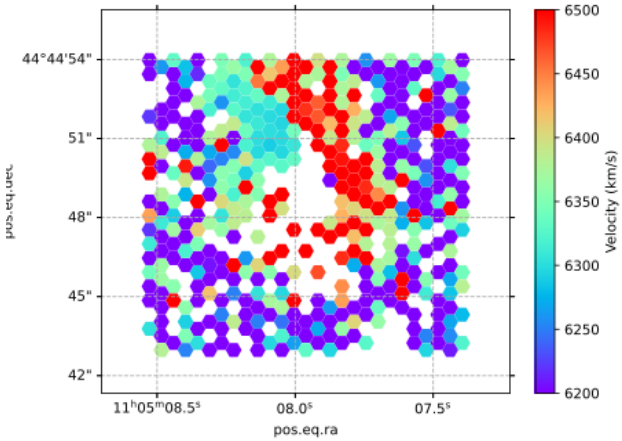


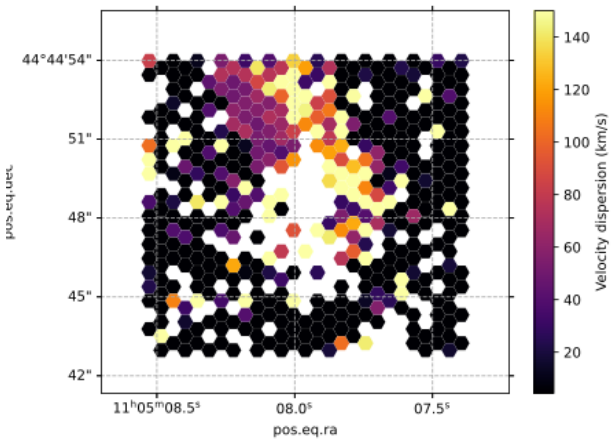




B system



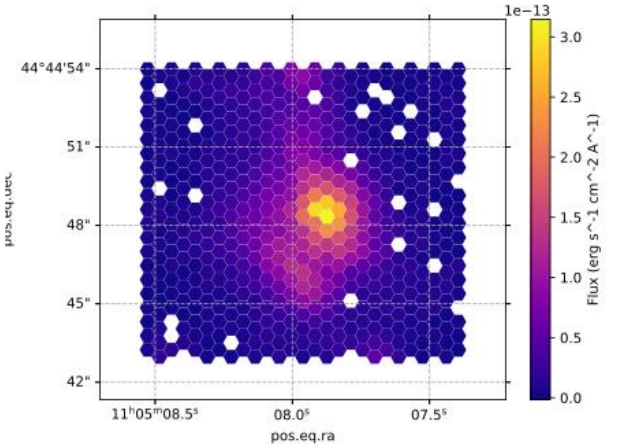


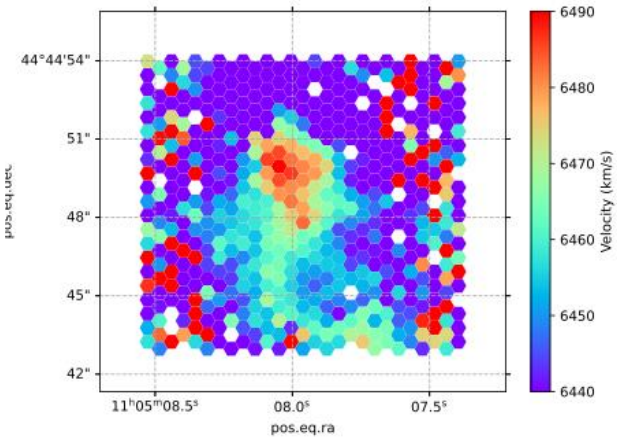


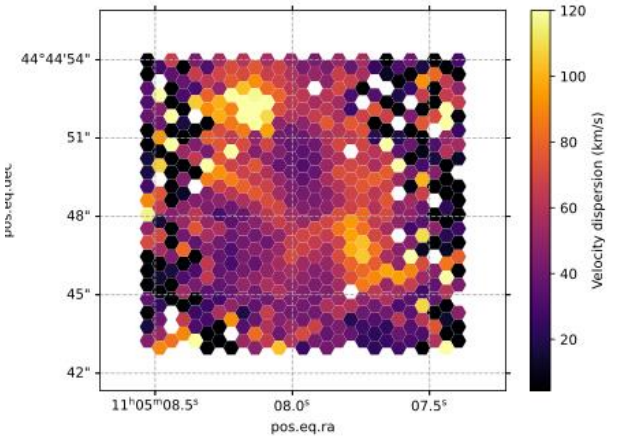
[OII]3729

A system

B system

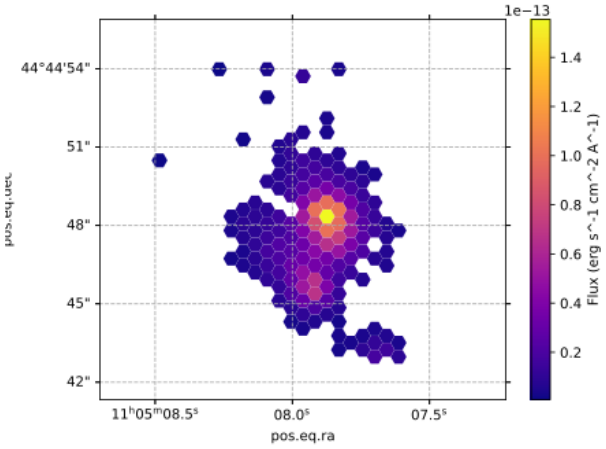


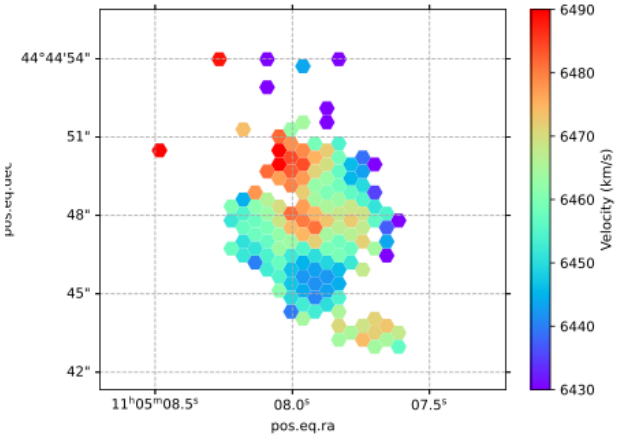


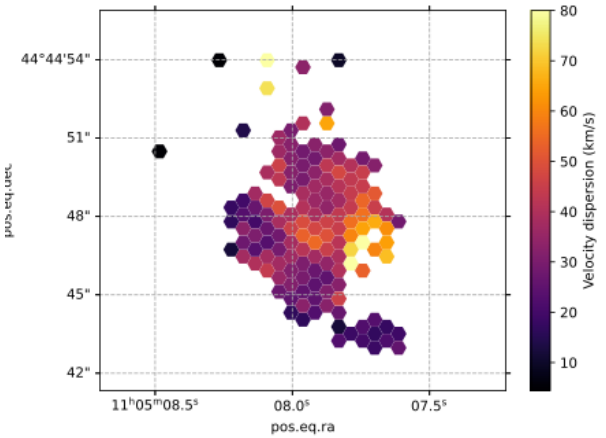


[NeIII]3869

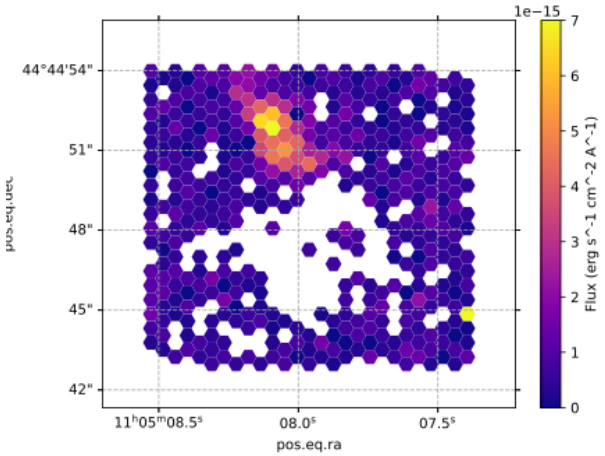
A system

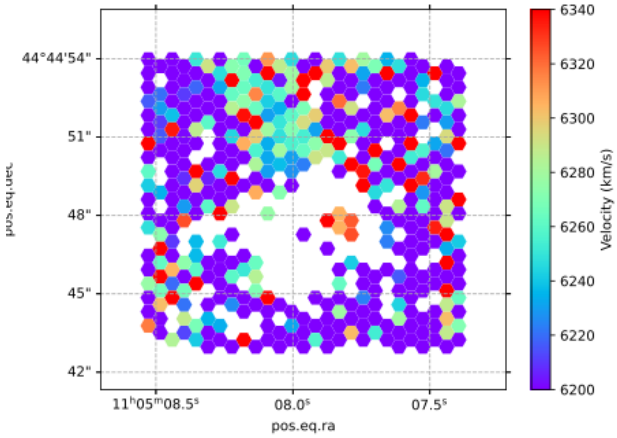


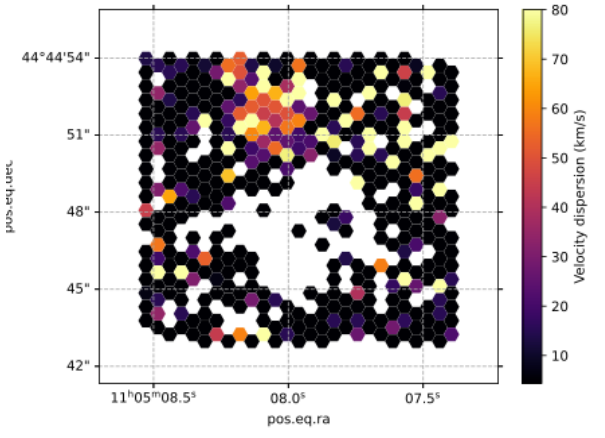




B system

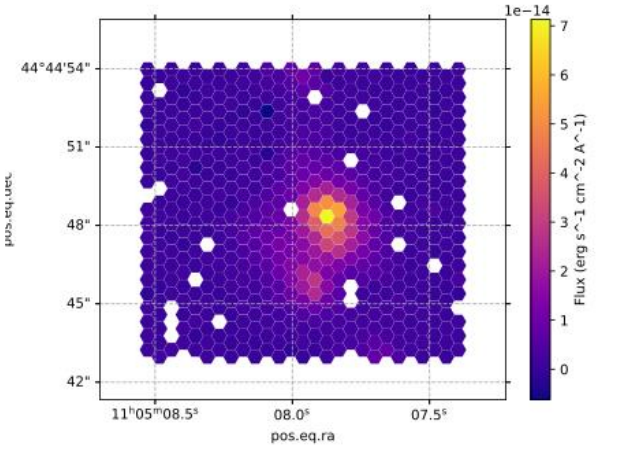


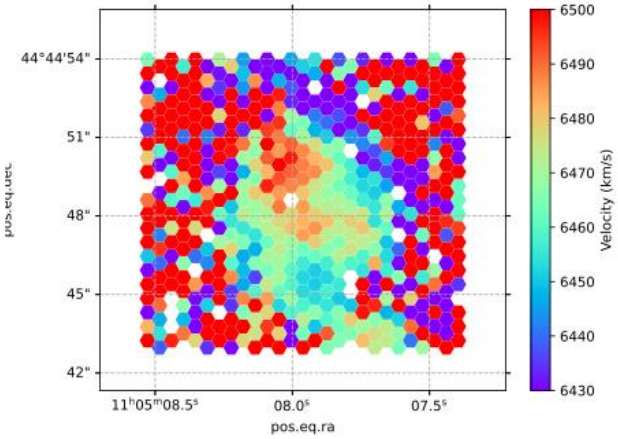


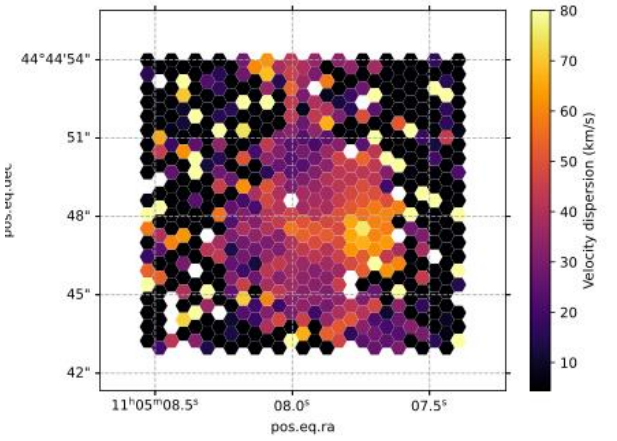


HeI3889

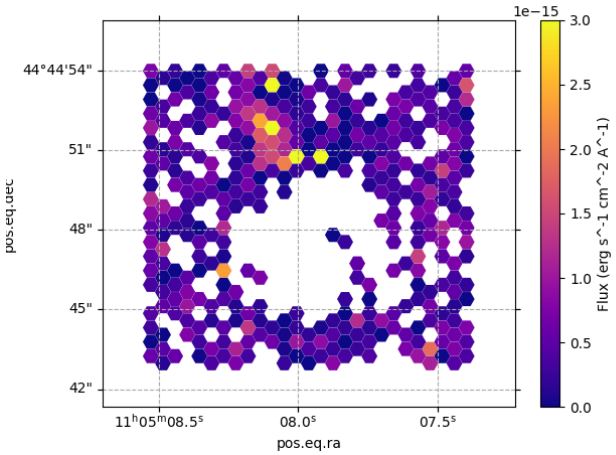
A system

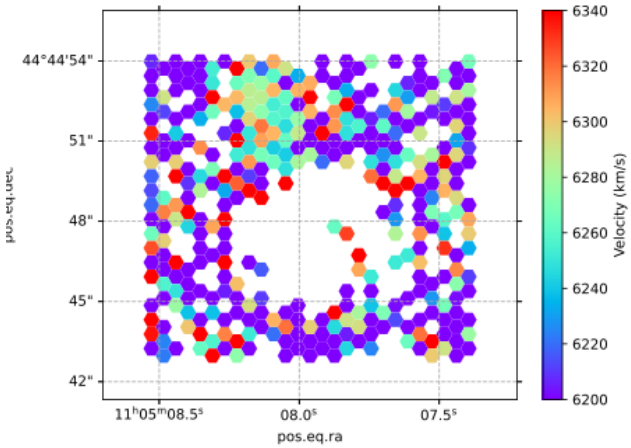


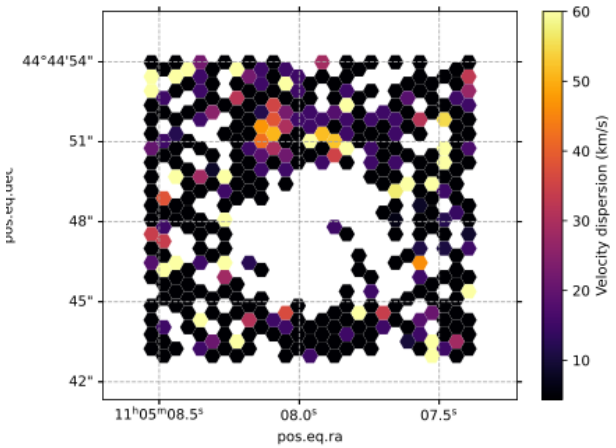




B system



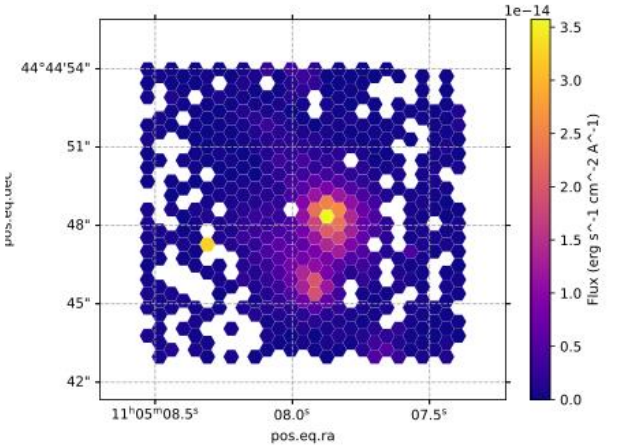


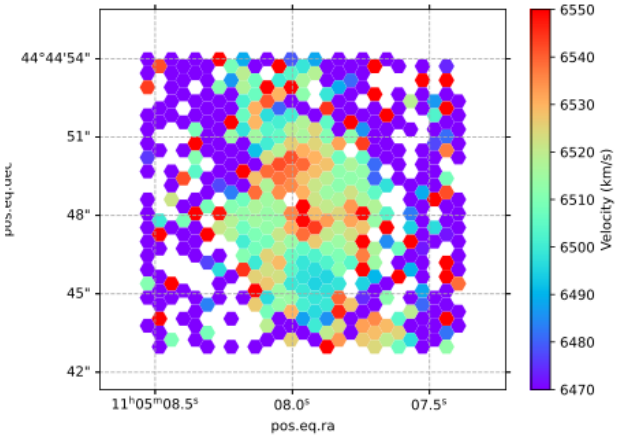


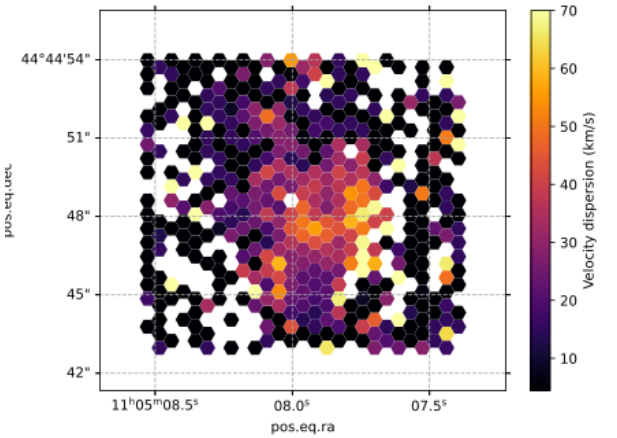
[NeIII]3967

A system

B system

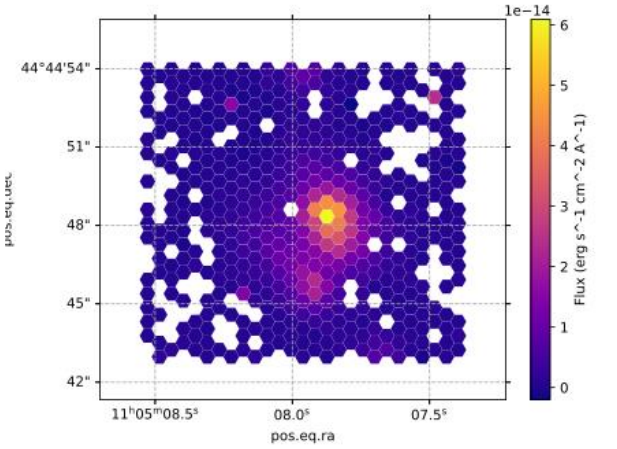


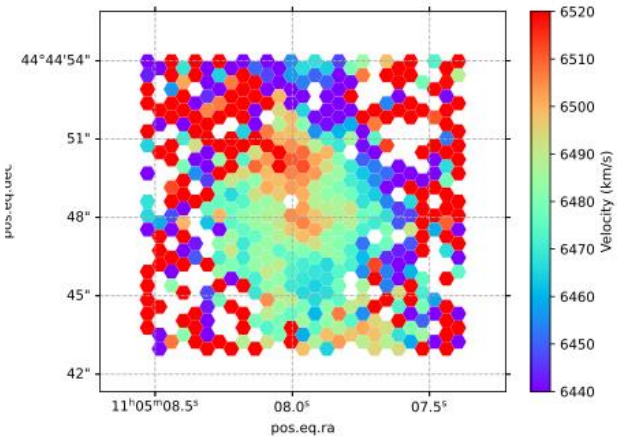


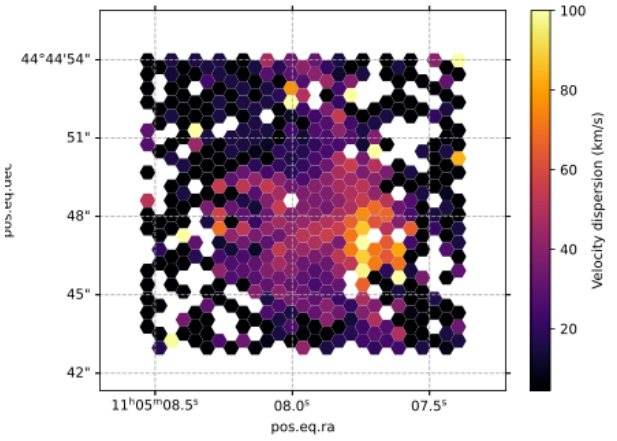


Hϵ

A system



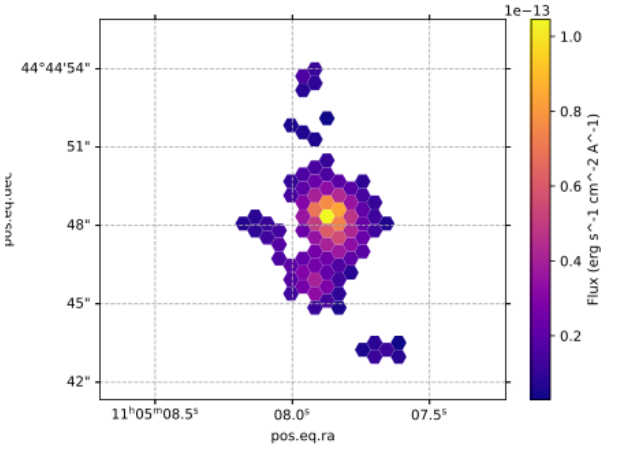


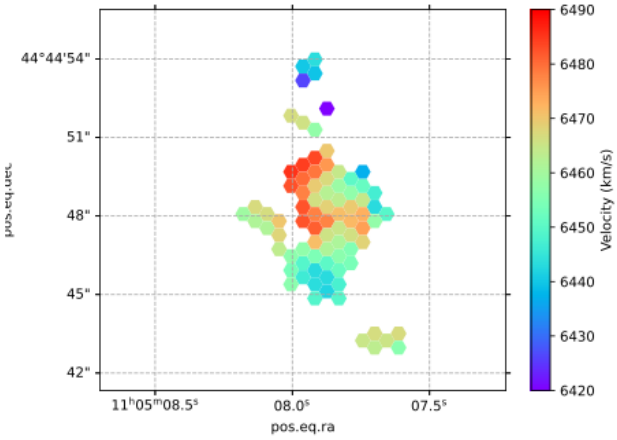


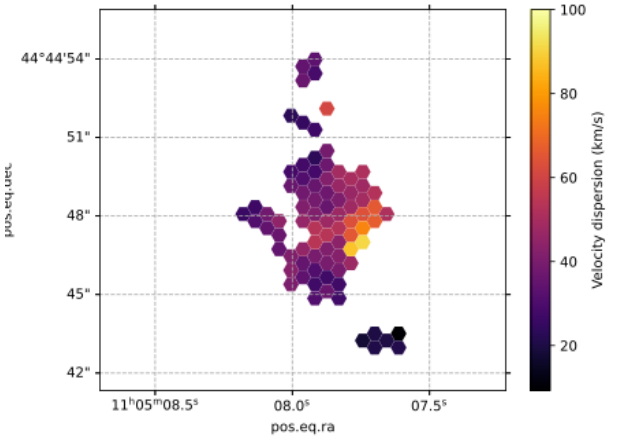
B system

Hδ

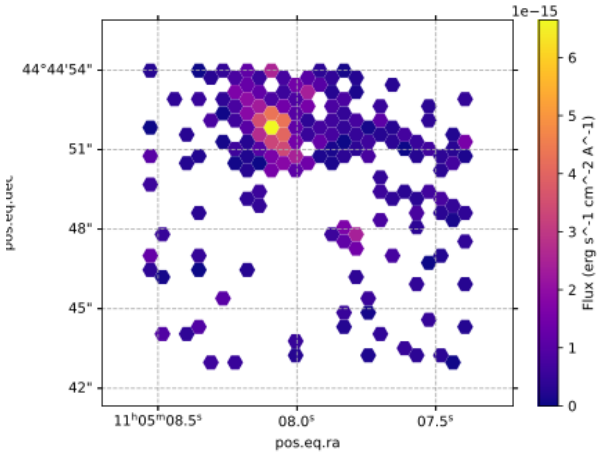
A system

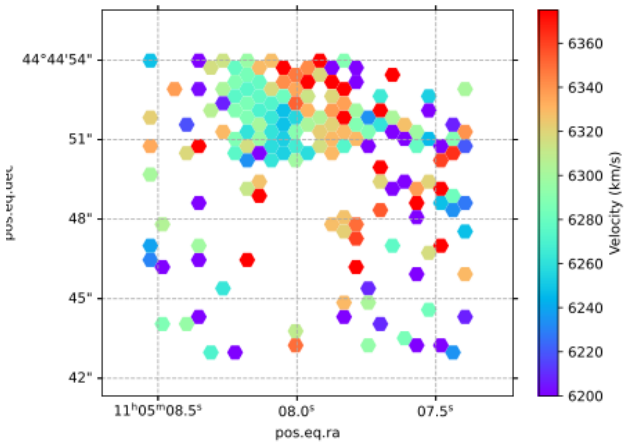


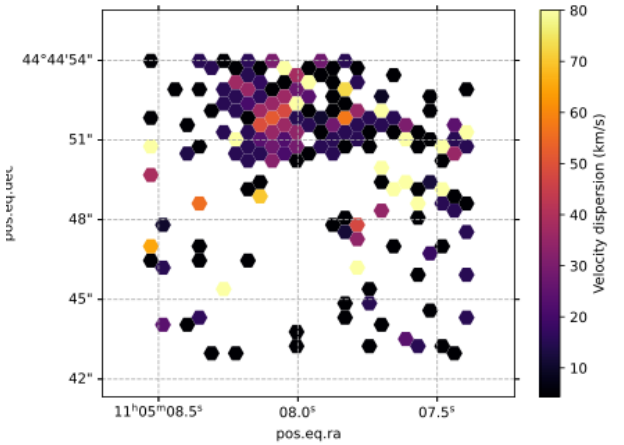




B system

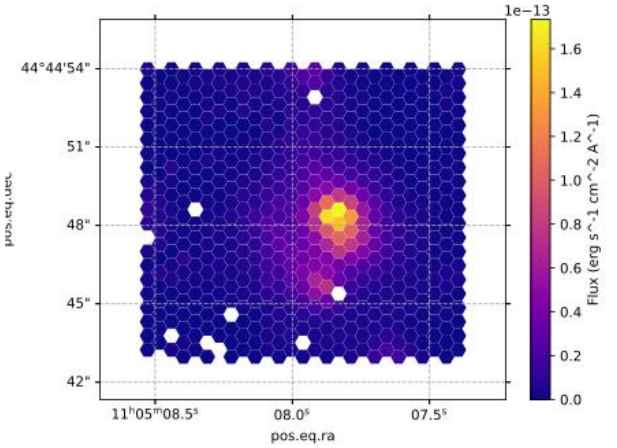


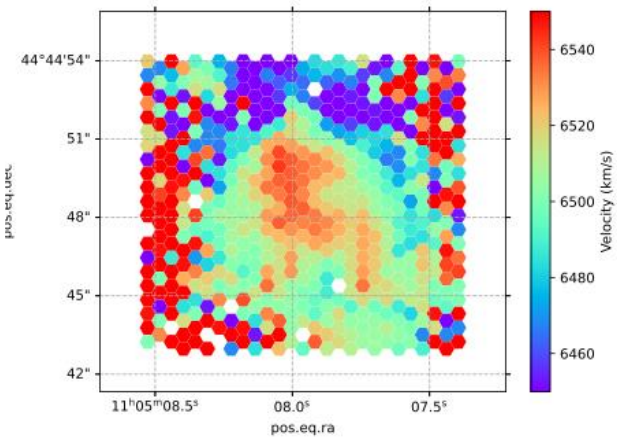


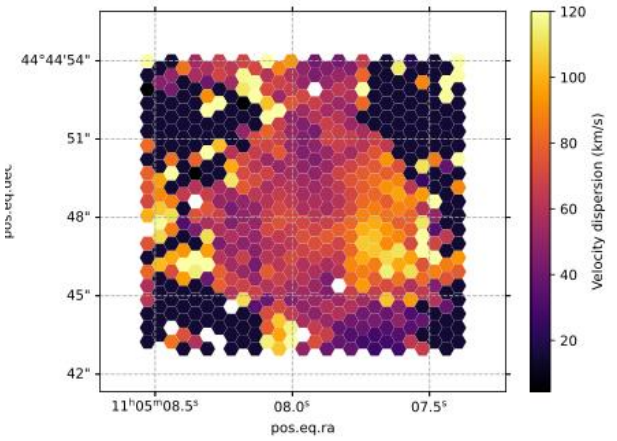


Hγ

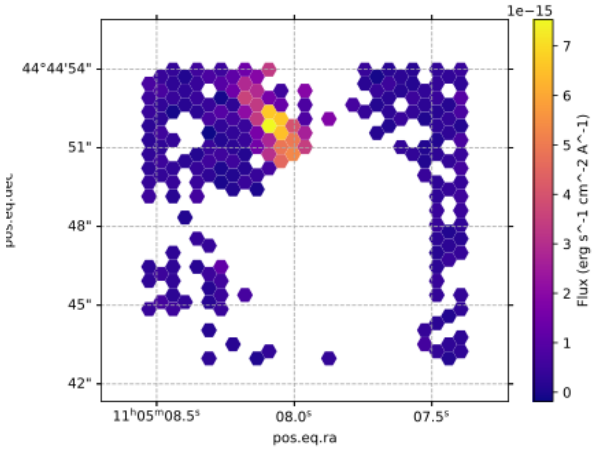
A system

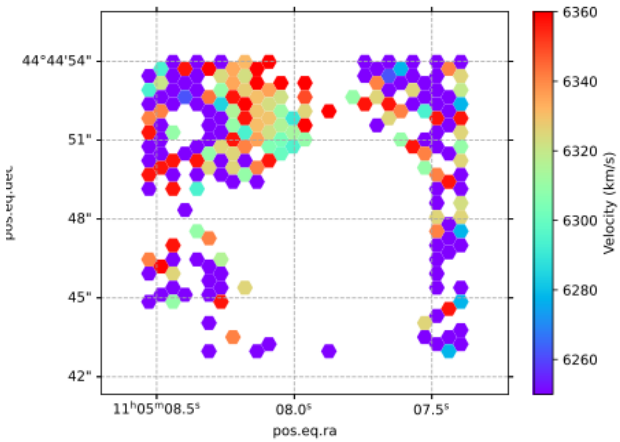


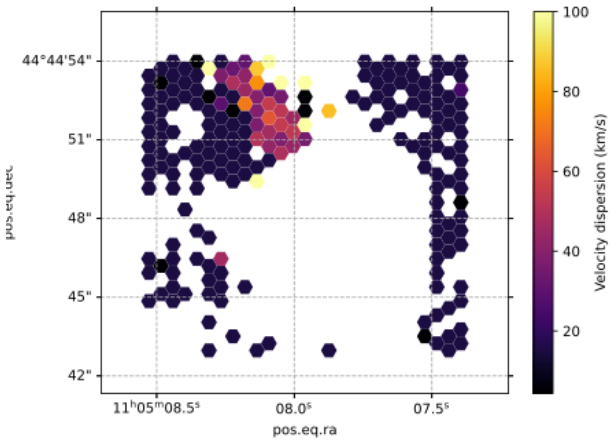




B system



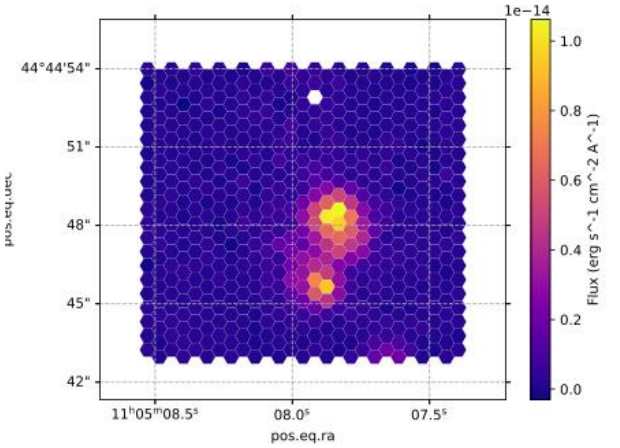


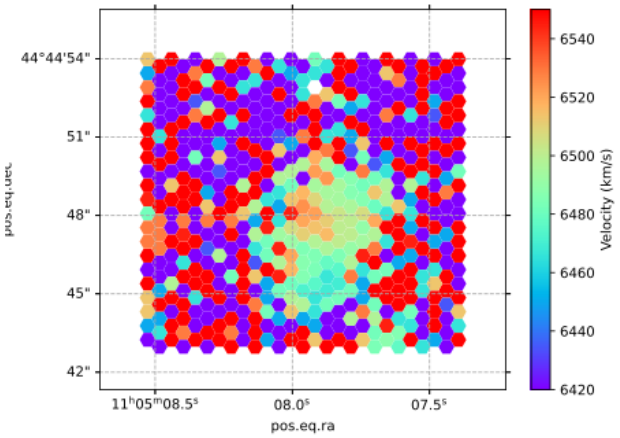


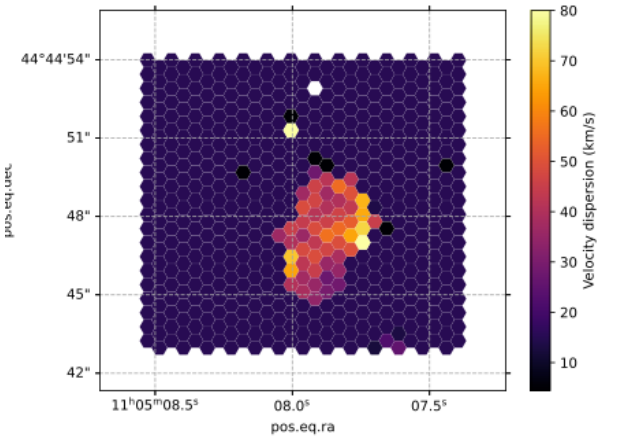
[OIII]4363

A system

B system

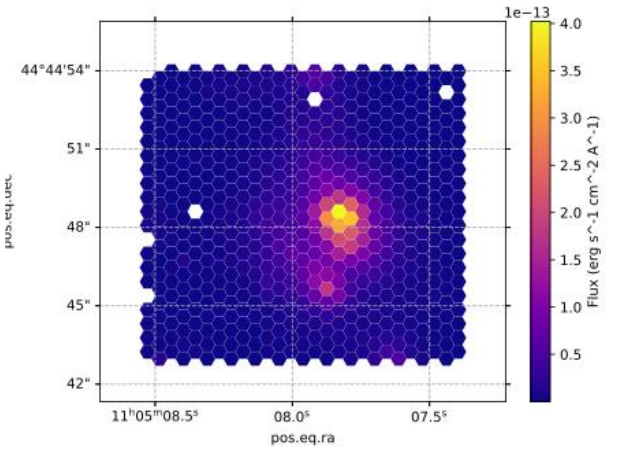


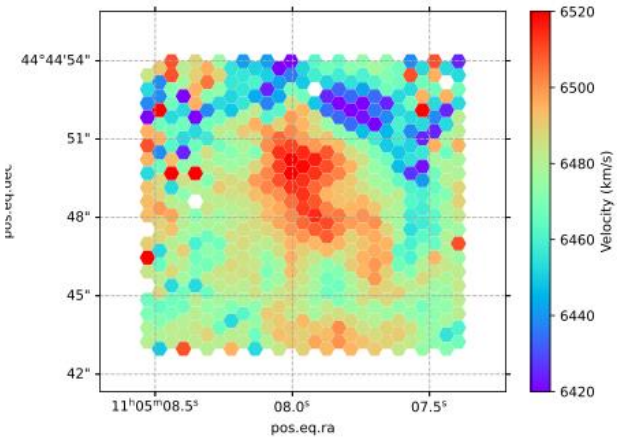


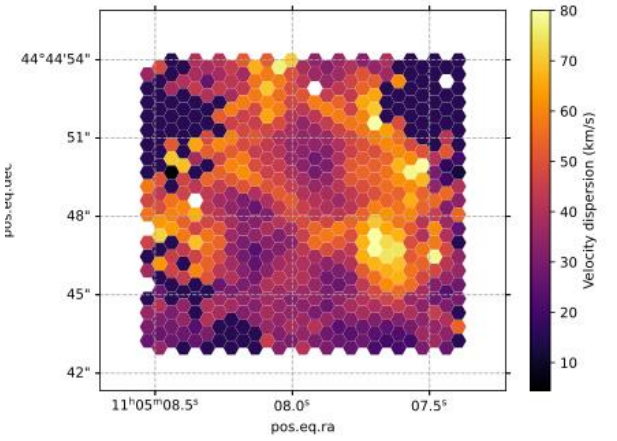


Hβ

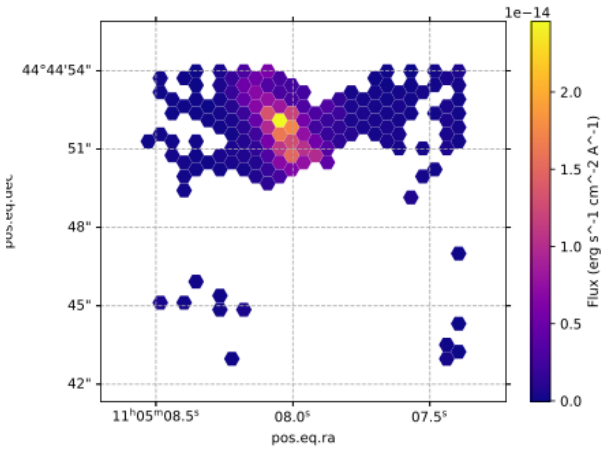
A system

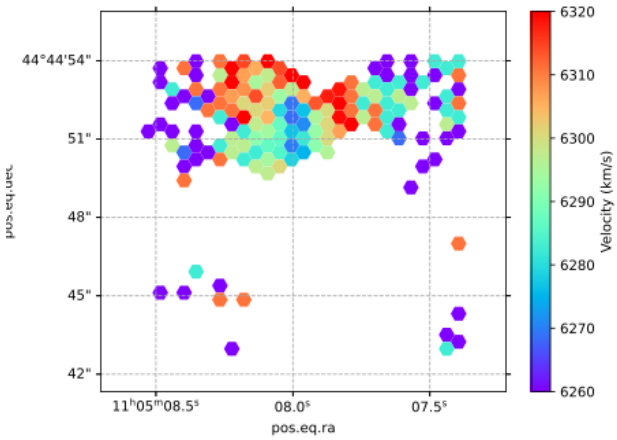


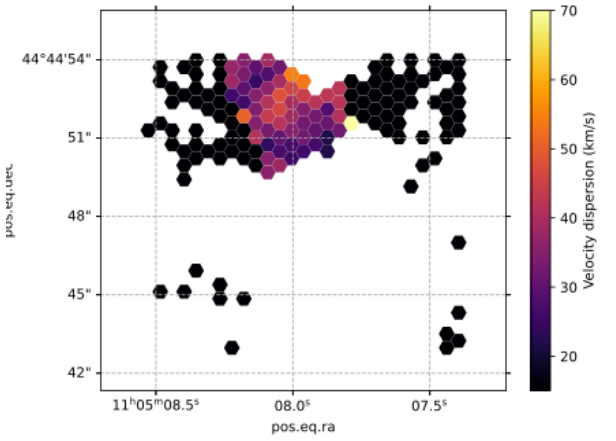




B system

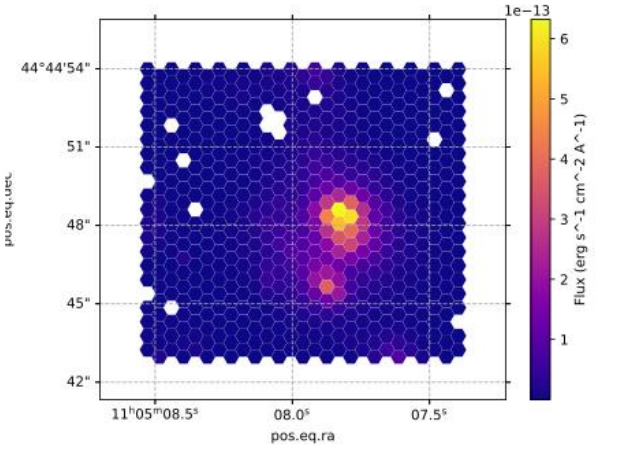


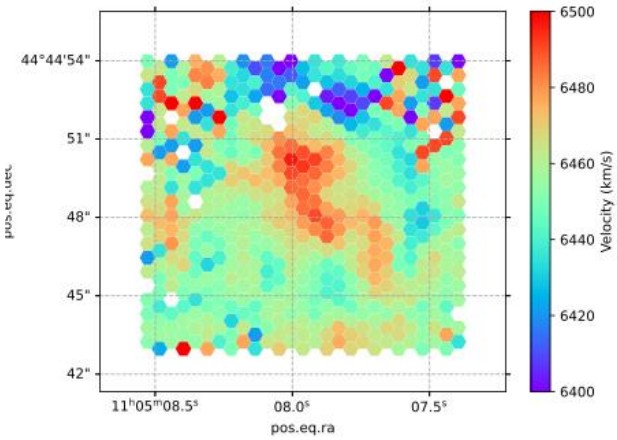


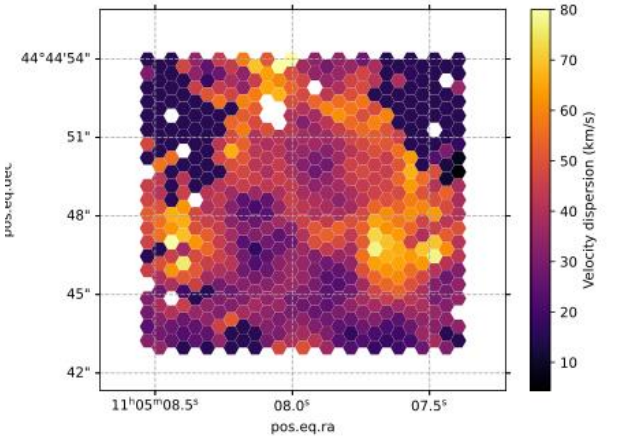


[OIII]4959

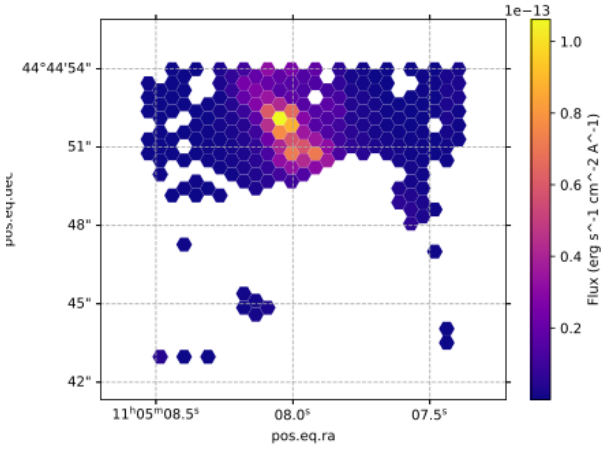
A system

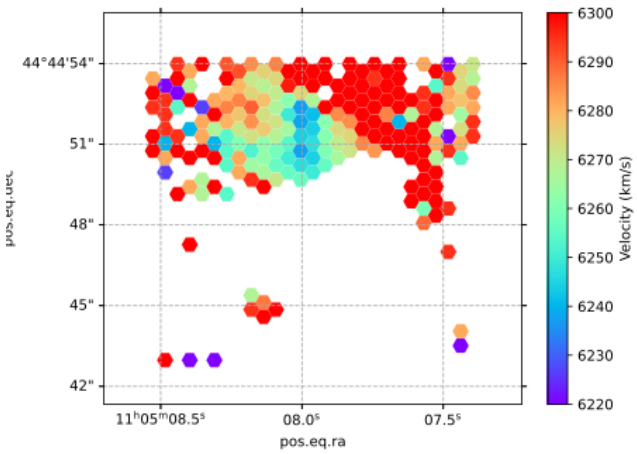


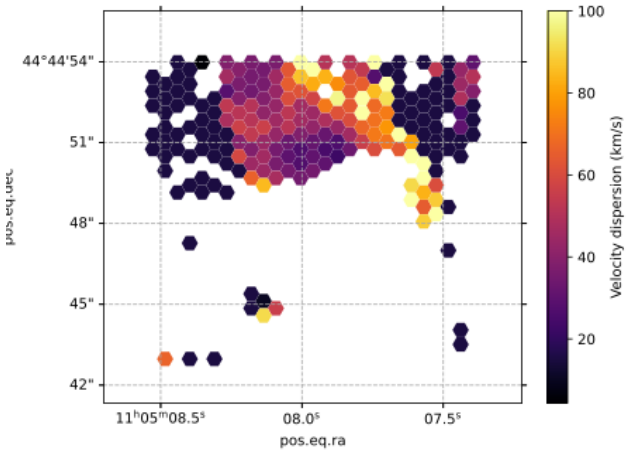




B system

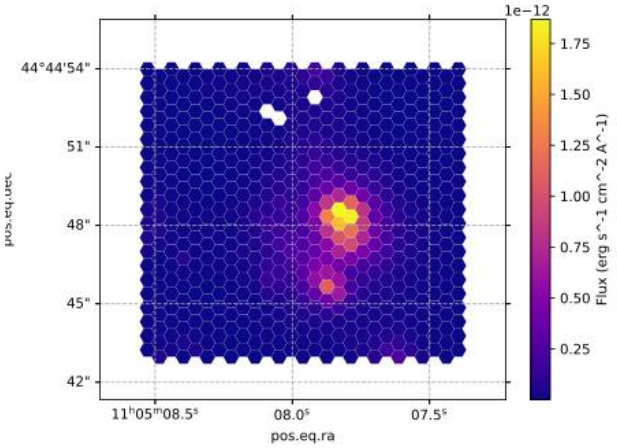


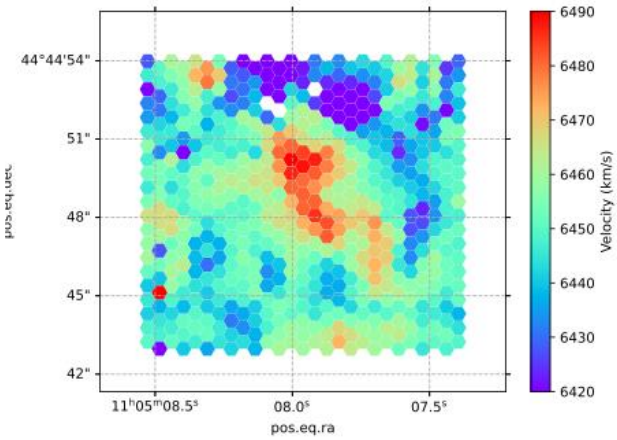


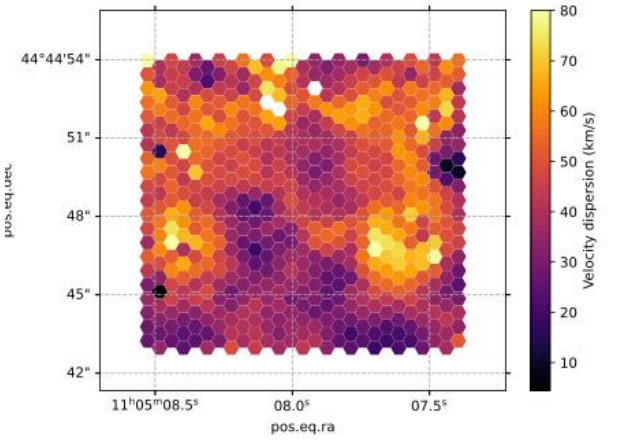


[OIII]5007

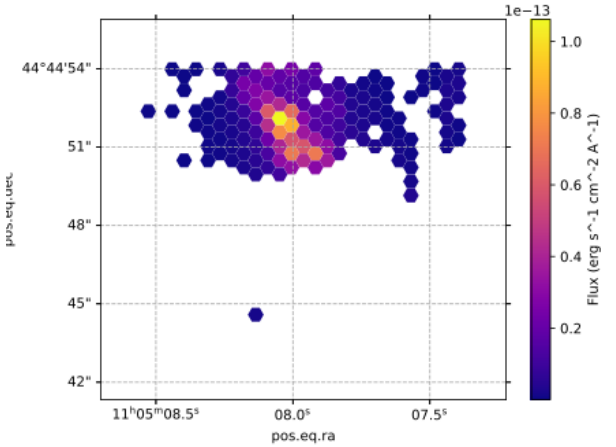
A system

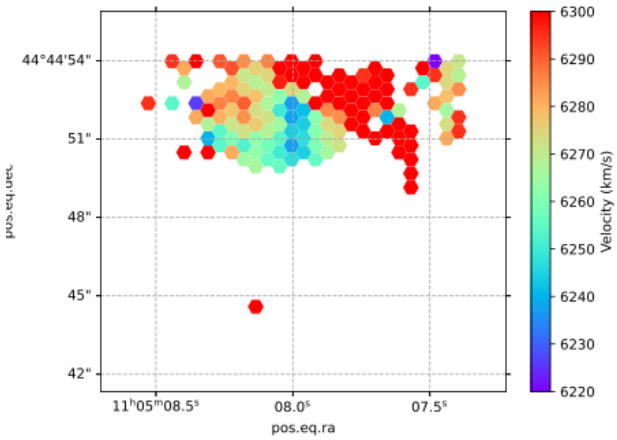


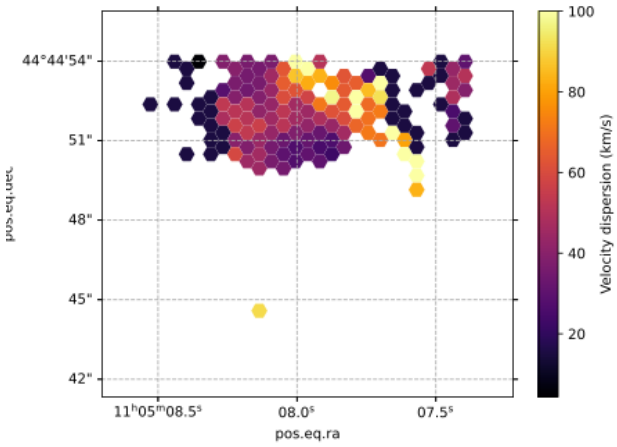




B system

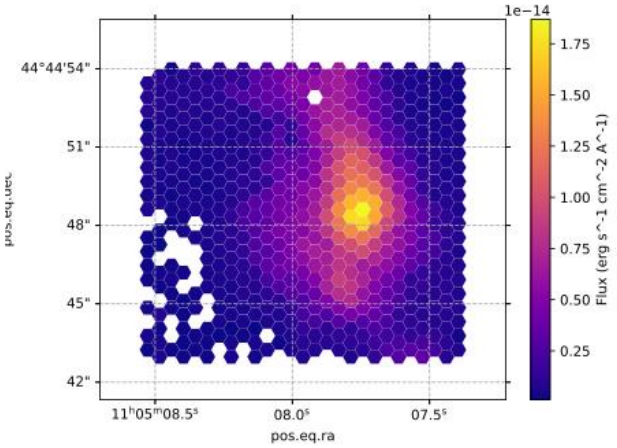


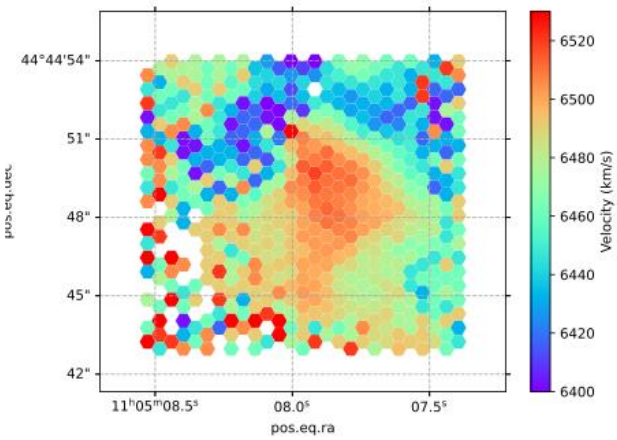


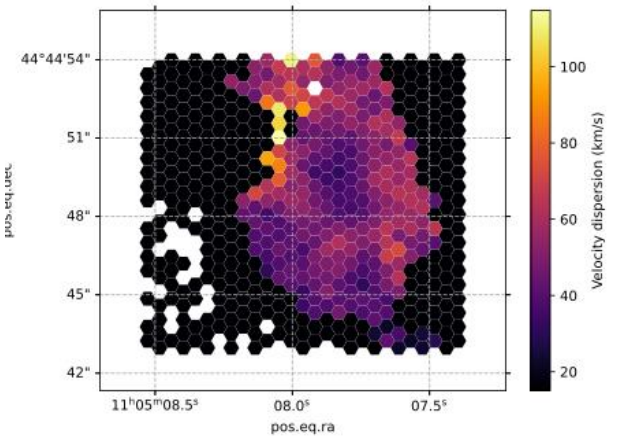


[OI]6300

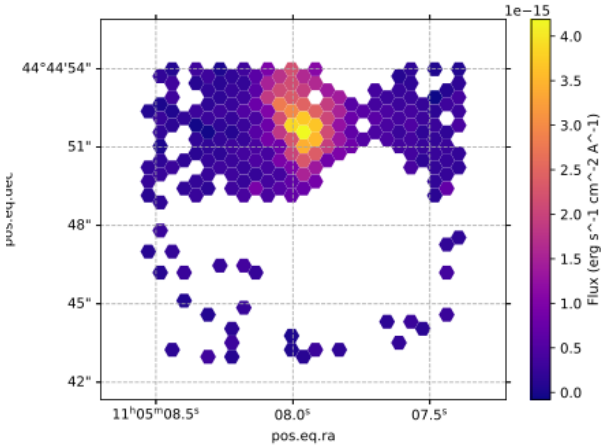
A system

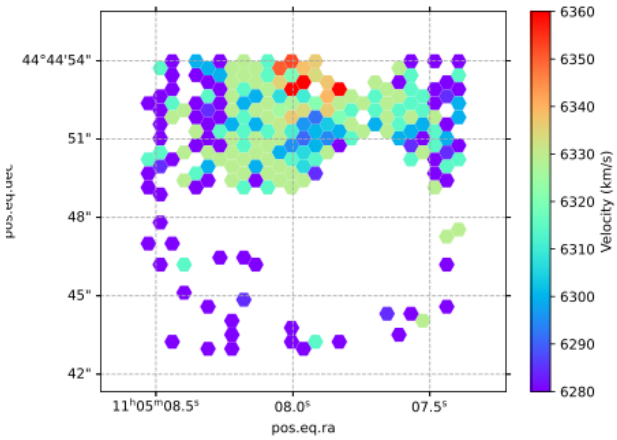


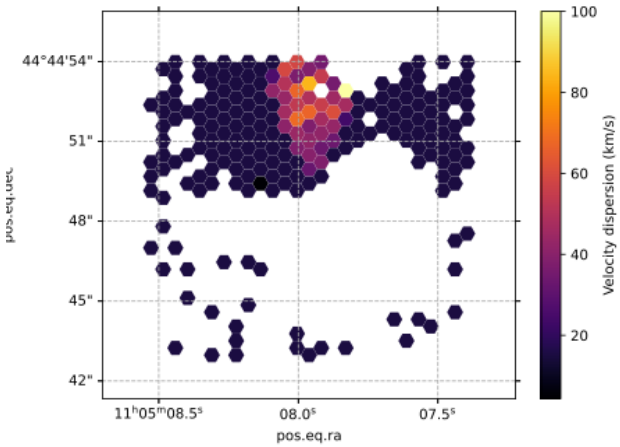




B system

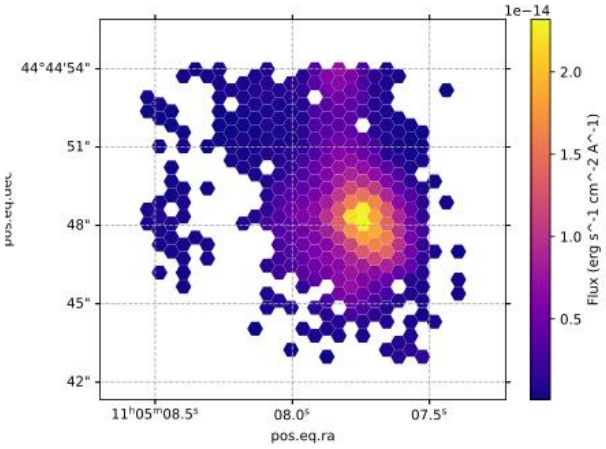


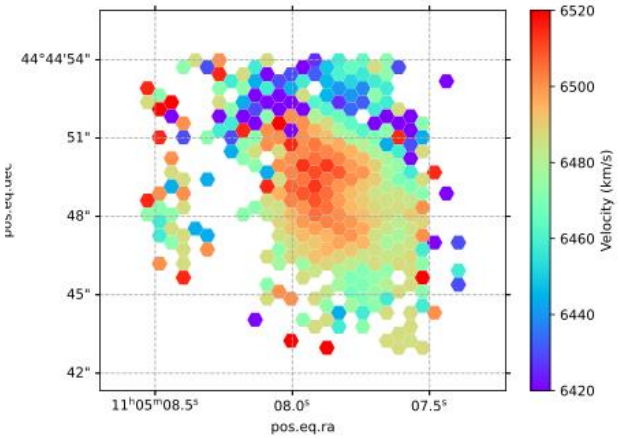


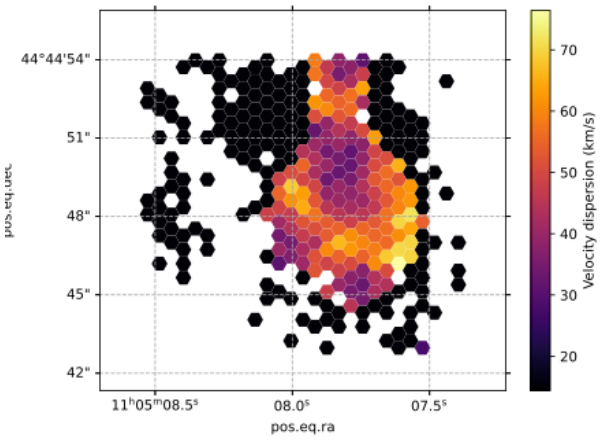


[NII]6548

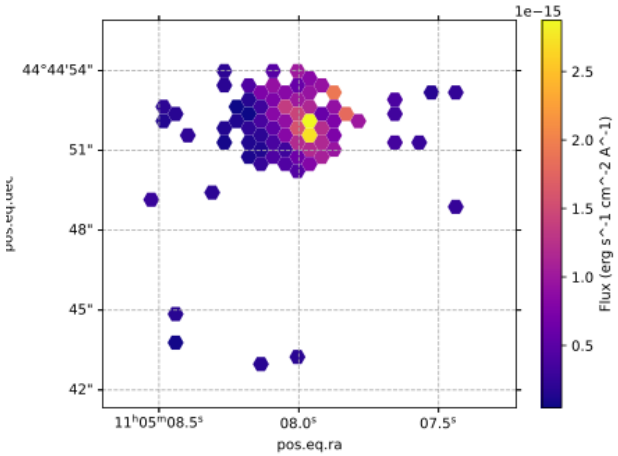
A system

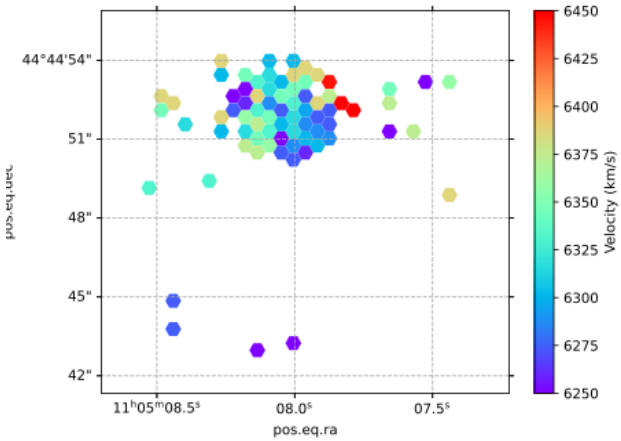


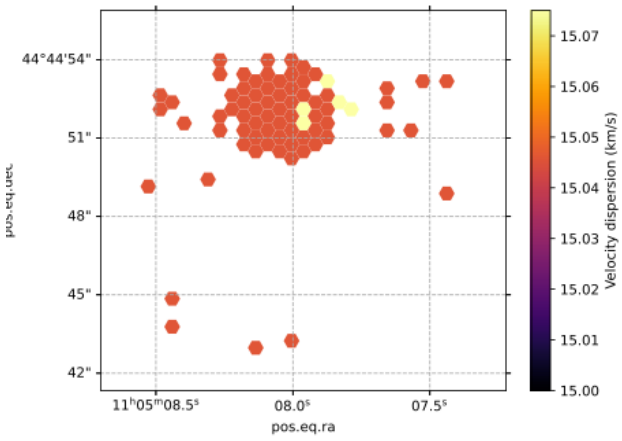




B system

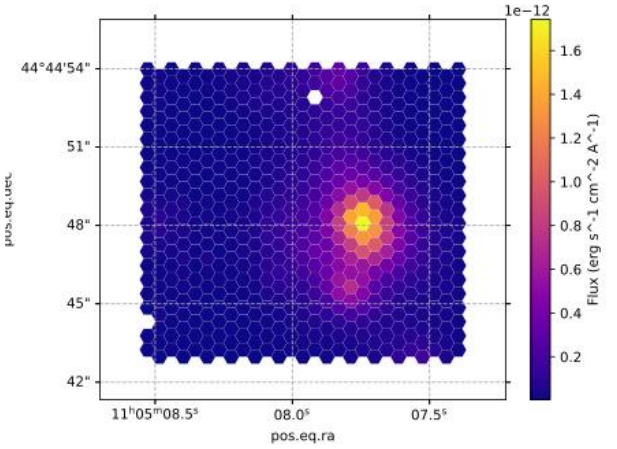


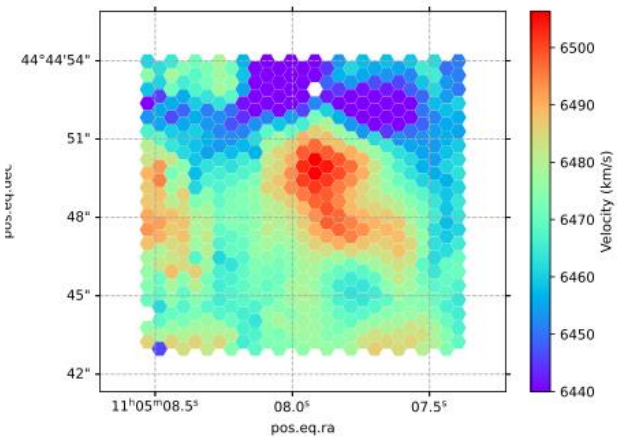


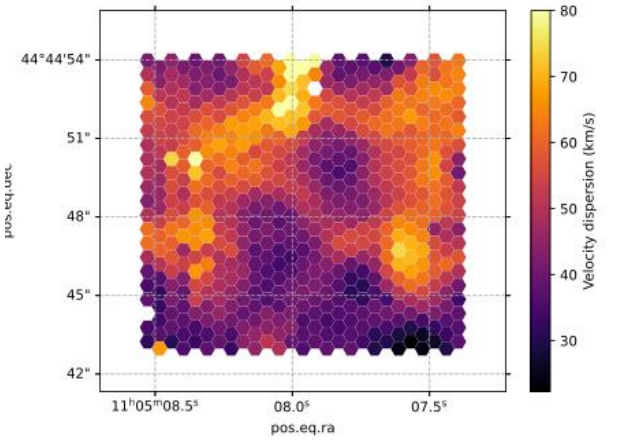


Hα

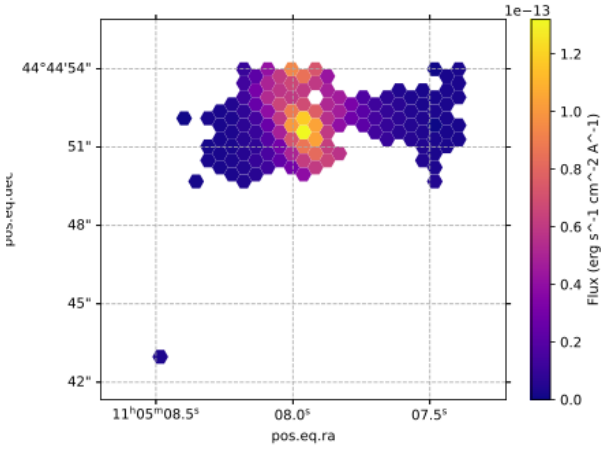
A system

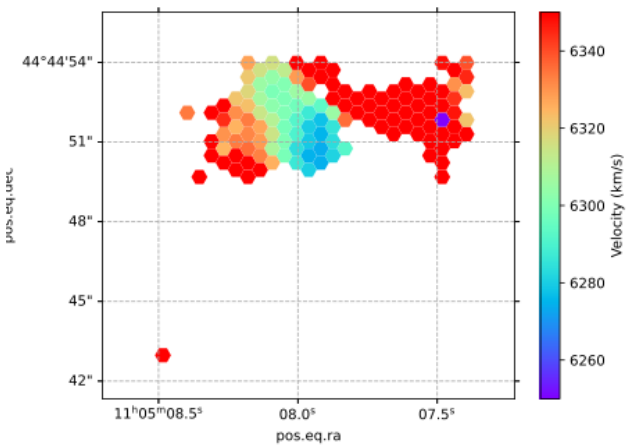


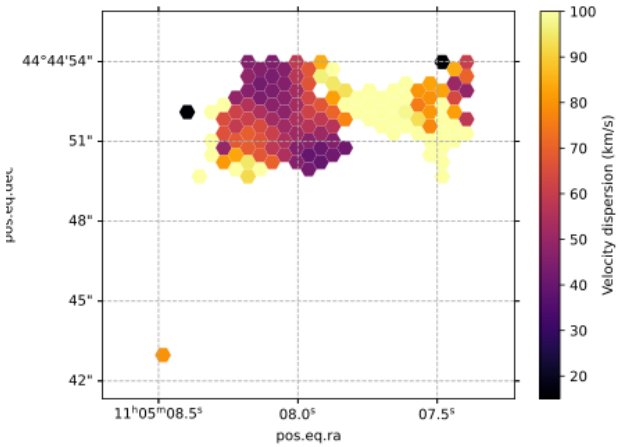




B system

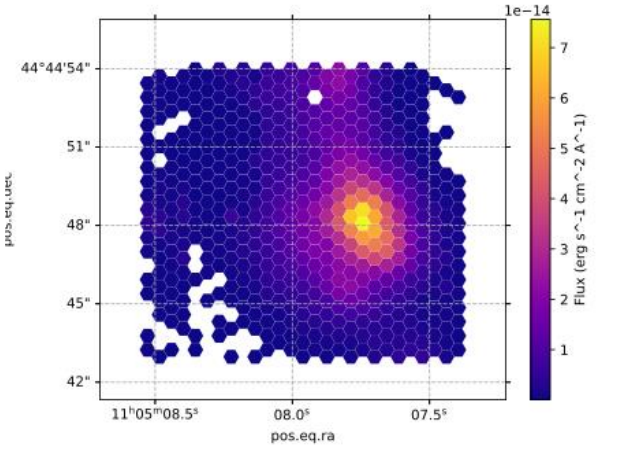


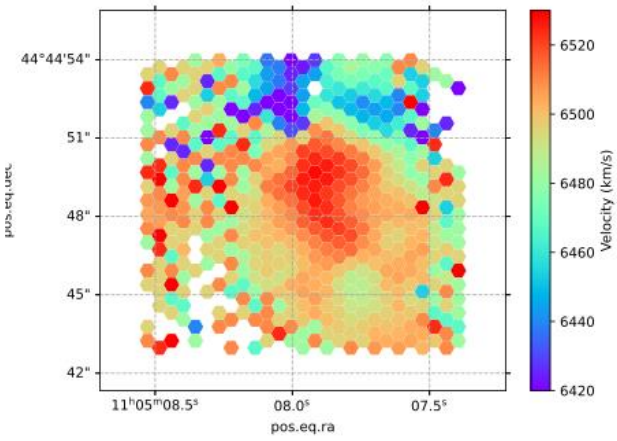


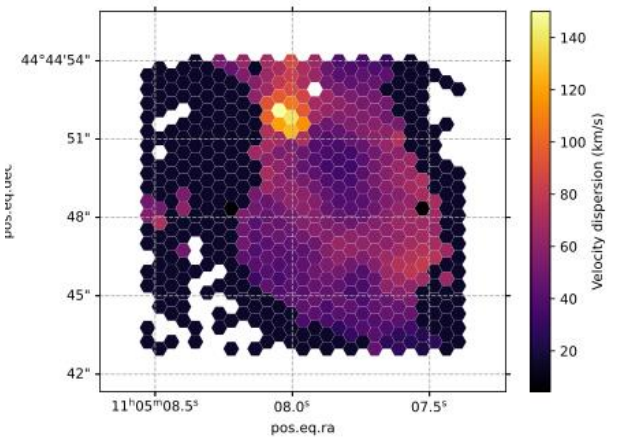


[NII]6583

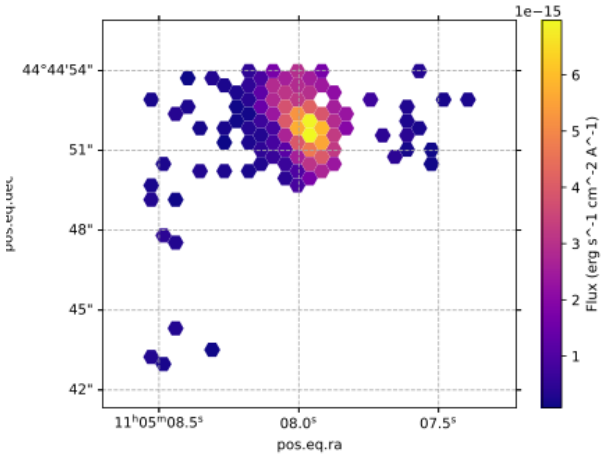
A system

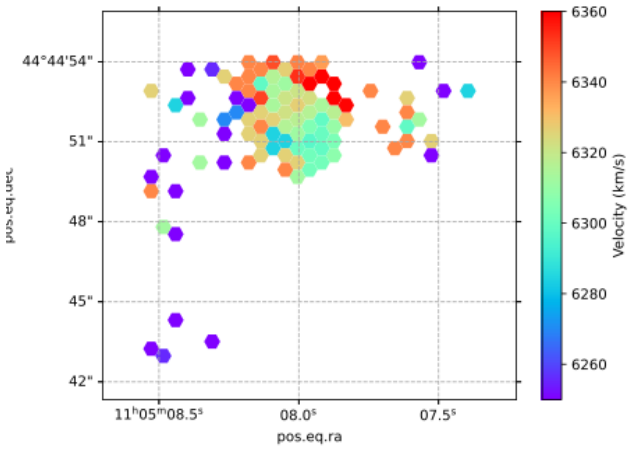


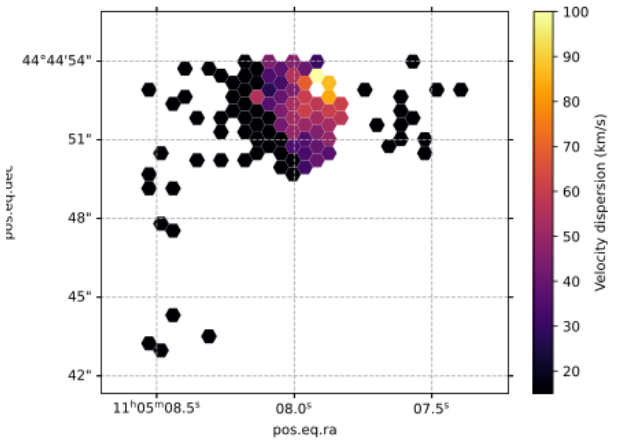




B system

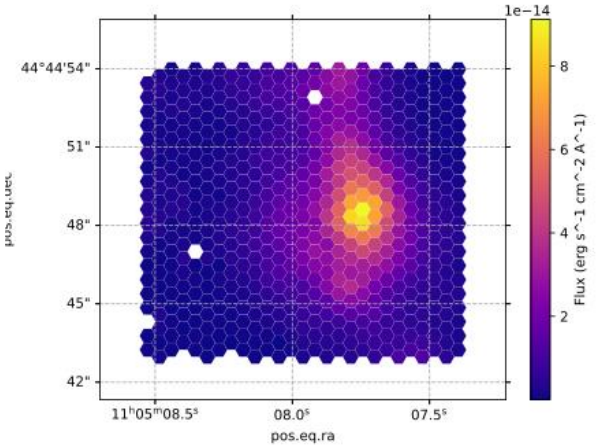


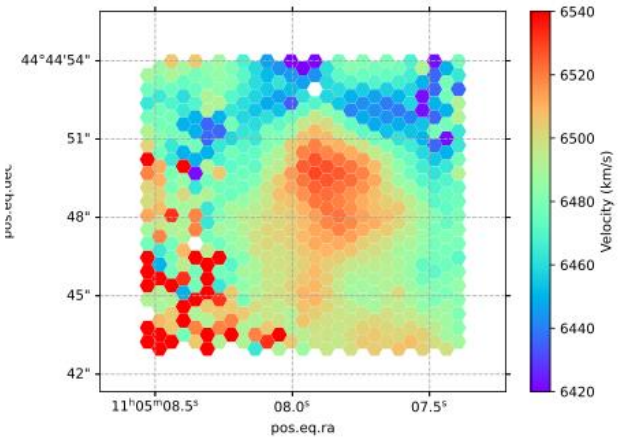


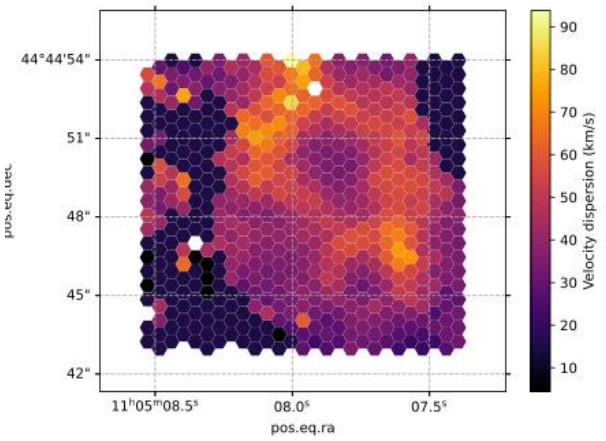


[SII]6716

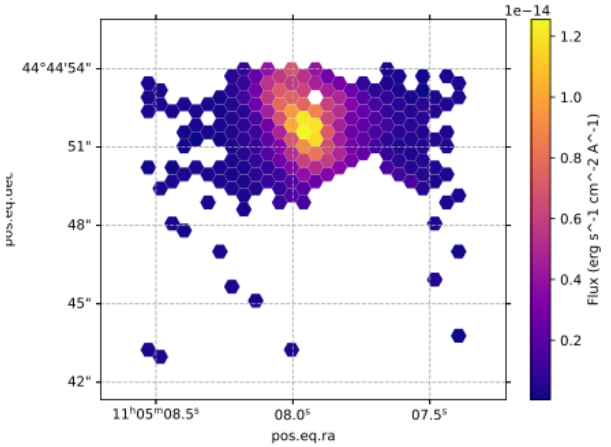
A system

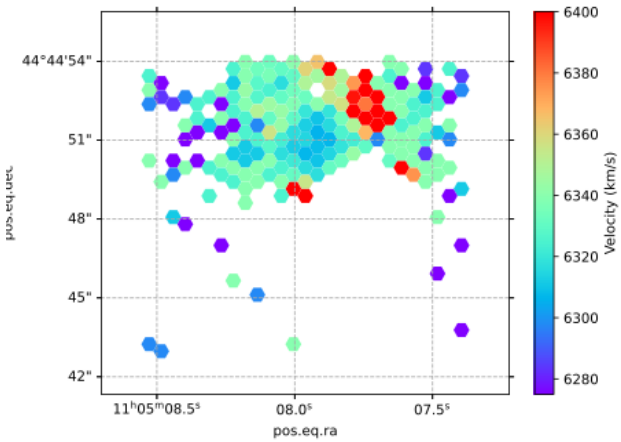


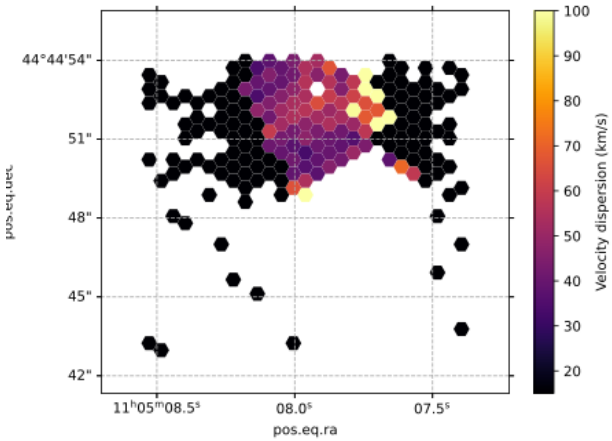




B system

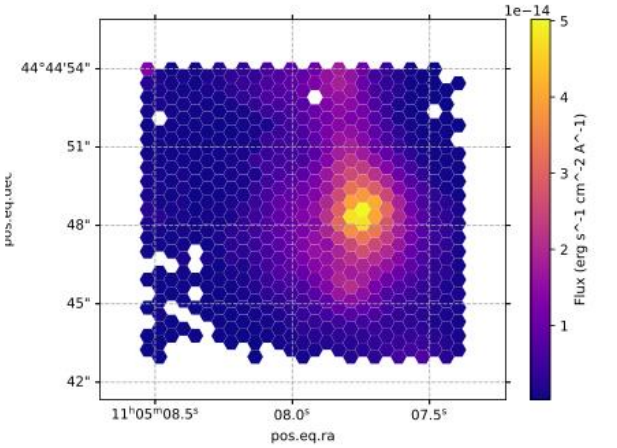


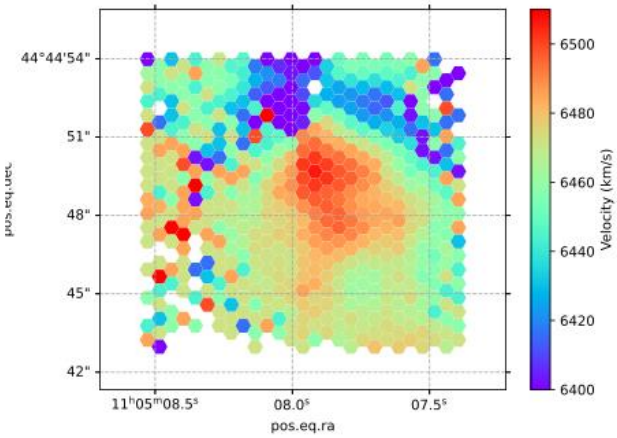


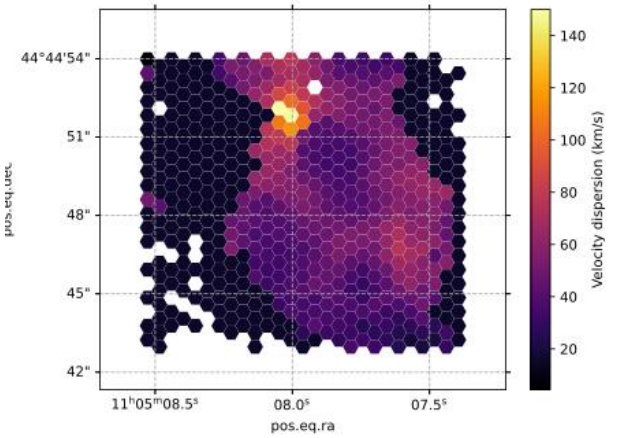


[SII]6731

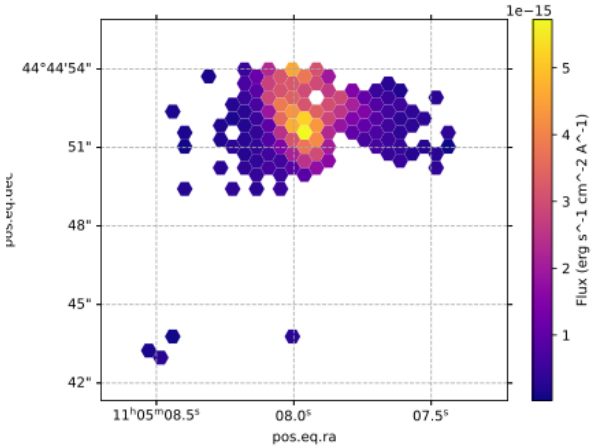
A system

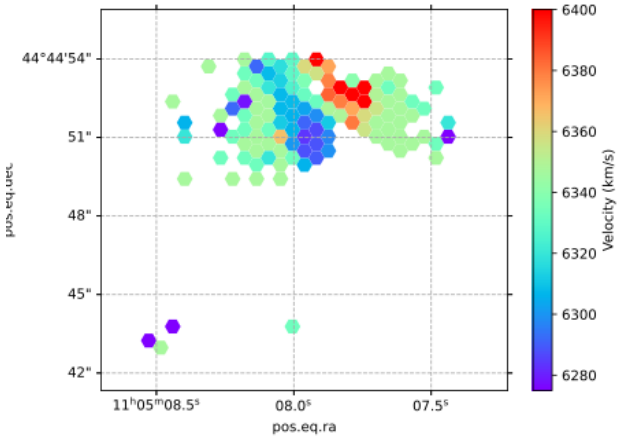


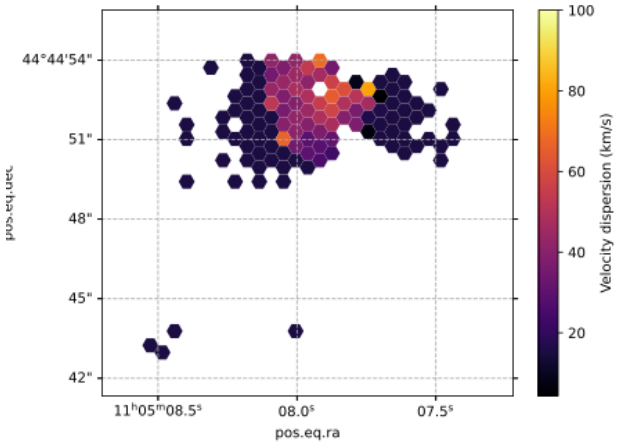




B system

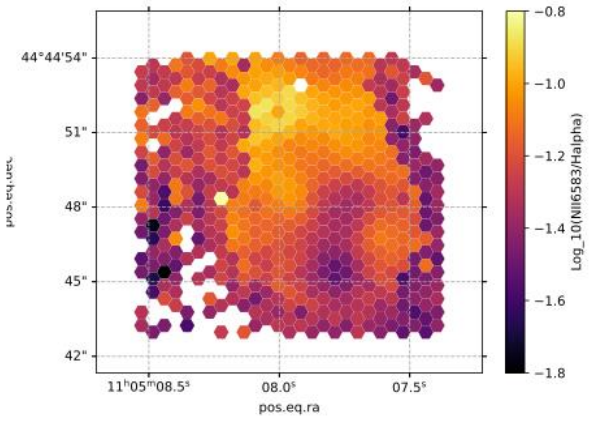




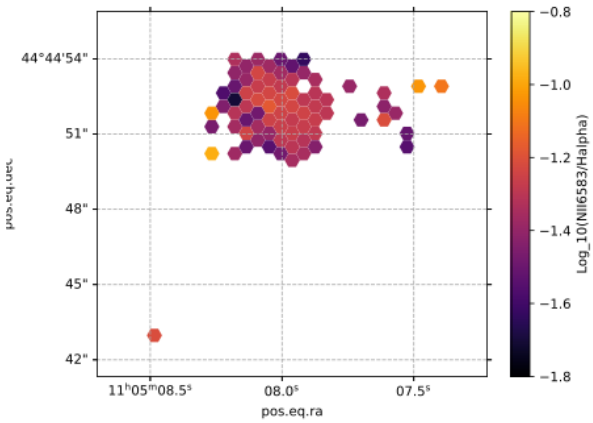


$\log_{10}(\mathrm{NII6583}/\mathrm{H}\alpha)$

A system

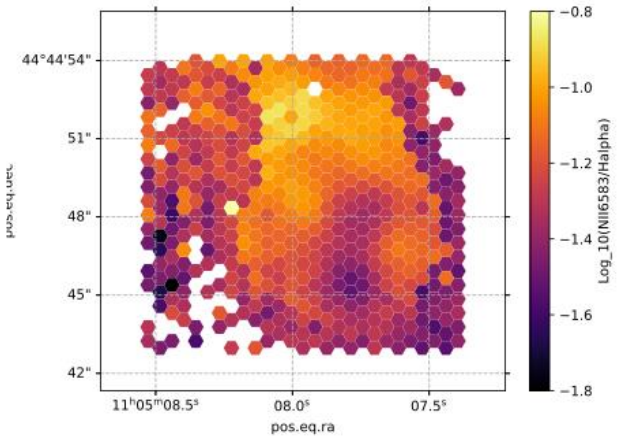


B system

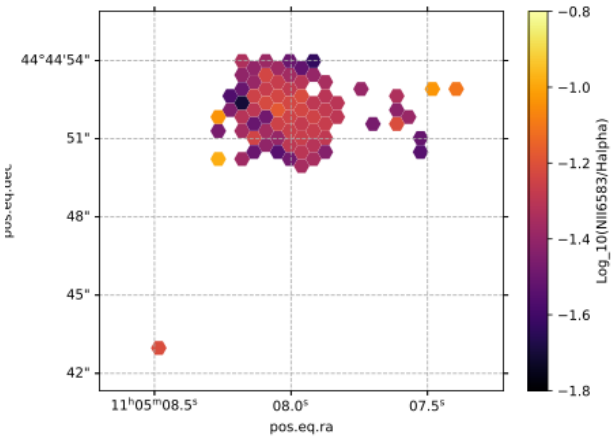


$\log_{10}(\mathrm{NII6583}/\mathrm{NII6548})$

A system

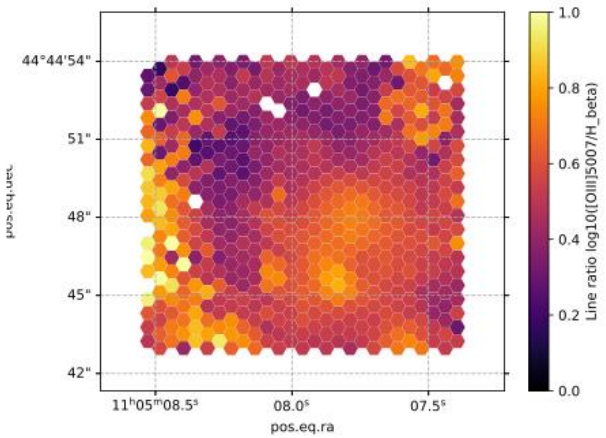


B system

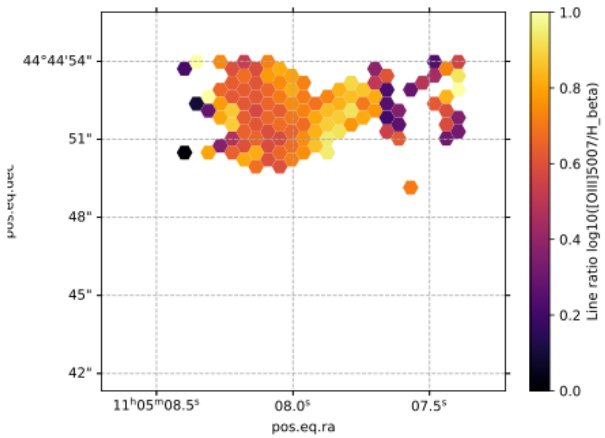


$\log_{10}([\mathrm{OIII}]5007/\mathrm{H}\beta)$

A system

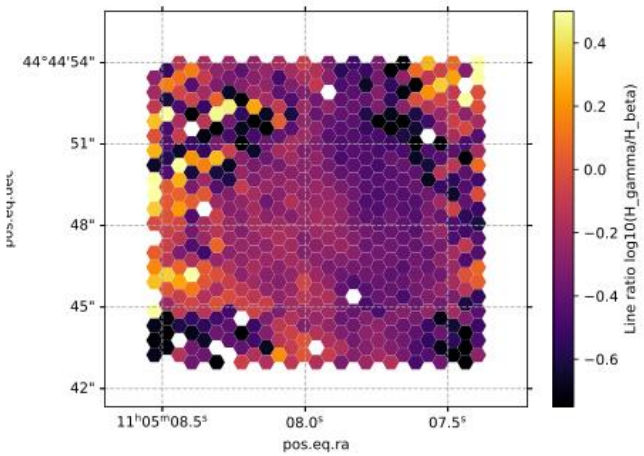


B system



$\log_{10}(\mathrm{H}\gamma/\mathrm{H}\beta)$

A system



B system