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[1]: import numpy as np
import matplotlib.pyplot as plt
import matplotlib.colors as colors
import matplotlib.patches as patches
import astropy.io.fits as fits
from astropy import units as u
from collections import defaultdict
from matplotlib.patches import ConnectionPatch
```

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[ ]:
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[2]: import DPConCFil
from DPConCFil.Clump_Class import *
from DPConCFil.Filament_Class import *
import DPConCFil.Plot_and_Save_Funs as Plot_and_Save_Funs
import DPConCFil.Profile_Funs as Profile_Funs
```

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[ ]:
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The reference of the Example data

'Example_Filaments_13CO_1.fits' is the ^{13}CO ($J = 1 - 0$) emission line of the Milky Way Imag $0^\circ \leq b \leq 0.8^\circ$ and $5 \text{ km s}^{-1} \leq v \leq 30 \text{ km s}^{-1}$.