```
import sys
import matplotlib.pyplot as plt
import numpy as np
import PIL
from PIL import Image
#from PIL import ImageOps



filename = 'p'

s = []
l = range(0, 255, 25)
l.append(255)


for j in l:
    #print j
    #profile = im[:, 1400]
    img = Image.open(filename+str(j)+'.jpg').convert('L')#
conversion  argv[] argument 1
    im = np.asarray(img) # Make a numpy array
    profile = im[:, 640]
    np.savetxt(('phase_level_'+str(j)+'.txt'), profile)
    #plt.savefig((filename+str(j)+'.jpg'))
    plt.figure('phase_level_'+str(j))
    plt.ylim((0.,120))
    plt.plot(profile)
    plt.savefig(('phase_level_'+str(j)+'.jpg'))

    plt.show()
```