2016 - Crypto-Pirat #crypto50

https://ctf.internetwache.org/tasks/crypto/50

Description: Did the East German Secret Police see a Pirat on the sky? Help me find out! Hint: We had 9 planets from 1930–2006... Hint2: Each planet has a number. (There's a table on a well-known website). After that you might be interested in ciphers used by the secret police.

Attachment: crypto50.zip

In the README.txt there is weird string like this:

 $\Psi \stackrel{?}{?} \stackrel{?}{?} \Psi \stackrel{?}{?} \stackrel{?}{?} \Psi \stackrel{?}{$

I google it and got this wikipedia https://en.wikipedia.org/wiki/Planet

Substitute them

Output

83929 28989 89839 28983 92928 98983 89898 98392 89899 28389 83929 29283 89928 98389 92929 28389 92928 98389 89928 39289 89899 28392 89898 99283 92898 98992 83928 98989 92839 28989 89928 39289 89899 2

From clue 'PIRAT' i got TAPIR cipher, looking out it's decoder online. I use this link https://gc.de/gc/tapir/

and got morse codes

Decode, got base32

KZFHWTTFMVSSCX2UGAYHCX2DOZSW4Z3SL5WGE2C7NZSXEORJPU======

Decode and got the flag rotated.

VJ{Neee!_Tooq_Cvengr_lbh_ner:)}

Rot13 it and got the final flag:

IW{Arrr!_Good_Pirate_you_are:)}

Done.

Flag: IW[Arrr!_Good_Pirate_you_are:)}

