

asf_search_remotezip_example

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[ ]: # Working example of using remotezip with asf-search to download a quick-look
    ↪ image file from a given product's zip archive

import asf_search as asf
from remotezip import RemoteZip
from getpass import getpass

response = asf.search(maxResults=1, platform=asf.SENTINEL1, processingLevel=asf.
    ↪ GRD_HS)

session = asf.ASFSession()
session.auth_with_creds(username=getpass("Username:"), password=getpass("EDL
    ↪ Password:"))

with RemoteZip(response[0].properties['url'], cookies=session.cookies,
    ↪ headers=session.headers) as zip:
    file_names = [file.filename for file in zip.filelist] #get product's zip
    ↪ archive paths
    quick_look_file_paths = [filename for filename in file_names if filename.
    ↪ endswith('quick-look.png')] #find all paths that end with 'quick-look.png'

    if len(quick_look_file_paths):
        print(f"downloading file to: {quick_look_file_paths[0]}")
        zip.extract(quick_look_file_paths[0]) #download first match
        print(f"file downloaded to: {quick_look_file_paths[0]}")
        # Note: This example copies the folder structure of the zip archive,
        ↪ but only if it's part of the path to the desired file
```