Chandrayaan 2 CLASS data manipulation and mapping

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Overview

This document contains all required script codes and links for reference.

Source Code 1: To extract CHANNEL and COUNTS data from already downloaded fits files.

https://pastebin.com/kxhDu6en

Source Code 2: To extract CHANNEL and COUNTS data from the over 69 lakh fits files present on the website, keeping in mind :

1. Timeout between requests to avoid automation detection
2. Next button functionality in the website to extract more links

https://pastebin.com/yUESCx9d

References:

1. CLASS User Manual

file:///C:/Users/rashm/OneDrive/Desktop/Class%20User%20Manual.pdf

2.XRF analysis theory for element detection

https://www.horiba.com/ind/scientific/technologies/energy-dispersive-x-ray-fluorescence-ed-xrf/xrf-analysis-theory/
-HORIBA Scientific