

# 1 Introduction

The application `xia2scan` is designed to scan through a list of provided images and print information about the “quality” of the diffraction on the images.

## 1.1 Appication

This is designed to be useful for

- Selecting the best images for autoindexing from a sweep.
- Optimizing humidity when a humidifier is available.

by printing information about the strength of diffraction in each image.

## 2 Uses...

This uses the wrappers for `labelit.screen` and `labelit.stats_distl`.

## 3 Use Cases

### 3.1 UC 1: Humidifier

### 3.2 UC 2: Indexing Image Selection