


ISS Data Query System Diagram


**ISS Dataset
Querier**

Use Makefile to create the
web-server

Containerized web server using Docker

HTTP Routes

Epochs

List of various
epochs from
dataset

Specific
Epoch
Dataset

Positional Data Route

Countries

List of various
countries
from dataset

Specific
Country
Data

Regions

Specified data
from HTTP
route

**Pulling
Data**

Utilize HTTP
Routes to retrieve
specific datasets

Cities

Specified
data from
HTTP route

Specific City
Data

Specific
Region Data

HTTP
GET

RESTful API

Flask-based app
that utilizes HTTP
routes to query
dataset
information

HTTP POST

**Download
Data**

User downloads the
provided ISS dataset

Specific Sighting Data Routes