# Inspection Summary Report

**Inspection Identification:**

Project: OEC Updates

Date:11/11/2016

Time:00:00 a.m.

**Product Identification:**

Material Inspected: Source code of main.py and update.py for OEC updating software.

Developer: ZEYU LI

Reviewer : JIACHEN HE

Customer: Prof. Hanno Rein, Physics & Astrophysics

**Issue List:**

1. Type: Implementation

Class: Need Improvement

Severity: Minor

Description: In main.py, dumped the list converted from .csv file into a local file by bytes. Load the bytes data from that file when use it to create databases.

Suggestion: Instead of writing the list into file, better to write the converted database into that file in order to improve the efficiency when load it.

1. Type: Bugs

Class: Wrong

Severity: Severe

Description: When implemented auto update, goes into an infinite loop.

Suggestion: Write a new python file called ”update”, imported schedule module and run it in the back end.

1. Type: Design

Class: Clarity

Severity: Minor

Description: In main.py, sending email notification does not have an option for user to enter their email address.

Suggestion: Add a statement that acquires user ‘s input of email address.

1. Type: Design

Class: Clarity

Severity: Minor

Description: In main.py, auto updates command does not have an option for user to set the time interval.

Suggestion: Add a statement that acquires user ‘s input of setting time interval by minutes..

1. Type: Design

Class: Wrong

Severity: Minor

Description: In main.py, auto updates cannot be shut down after exiting our software.

Suggestion: Find a better solution to run update.py in the back end in next sprint.

1. Type: Requirement

Class: Missing

Severity: Minor

Description: In main.py, we have a user story that can add a single planet feature into the database. But haven’t implemented until this code inspections.

Suggestion: Add a command that can take a file path and merge that file into the database.

1. Type: Design

Class: Wrong

Severity: Minor

Description: In main.py, because we have saved database into local files, so we have to run \update command at the first time. If run other commands maybe it will crash since check file exist statement have not been placed.

Suggestion: Add check statement for checking if the local files exist in next sprint.