OD code V – Ephemeris generation

Use the test case of OD code II (2002 QF15, 00:00:00 UT on July 14, 2018). Do a full ephemeris generation with that asteroid.

Guidelines

- Use the orbital elements from Horizons for 2002 QF15, on July 14, 2018 at 00:00:00 UT as a starting point
- Pull an ephemeris for that asteroid for August 3rd, 2018, at 00:00:00 UT (an RA and Dec table for our observatory)
- Write a program that predicts an RA and Dec for August 3rd
- Produce output that allows to easily compare the RA and Dec from Horizons and the RA and Dec from your program.
- Utilize your `odlib` functions. Make new ones as needed.
- Structure your code such that any variable or vector definition is done in one section, near the top.
- Comment, comment, comment!
- Print out any intermediate output that helps you check and debug your code.
- Follow the guidelines for code submission.