This directory contains the code for one particular sensitivity analysis of the planets simulation:

Name: SA27 - random max duration

Description: Instead of assuming that 3 billion years is always the required span of time that it takes for intelligent life to evolve, in this sensitivity analysis the required duration is made equal to a random number between 0.5 and 10 billion years. This number (max\_duration) is set at the beginning from a uniform random number distribution and is different for each rerun of each planet.

The following files were altered in order to implement this sensitivity analysis:

set\_constants.m

initialise\_master.m

ts\_slave.m

calc\_run\_properties.m

and this file was added:

determine\_max\_duration.m