Mission Planner:

<http://ardupilot.org/planner/docs/common-install-mission-planner.html>

Connect over UDP to mavproxy

Mavproxy

<http://ardupilot.org/dev/docs/mavproxy-on-windows-7.html>

SITL

<http://ardupilot.org/dev/docs/sitl-native-on-windows.html>

Flightgear:

<https://sourceforge.net/projects/flightgear/?source=typ_redirect>

Sigrascal 110:

This is a plane to use in flightgear, it’s batch file is located here:

~/ardupilot/Tools/autotest/fg\_plane\_view.bat

How to use SITL/MavProxy/MissionPlanner to fly a sigrascal100 on a test mission

Open Cygwin

Type:

cd **~/**ardupilot**/**ArduPlane  
sim\_vehicle**.**py **-**j4 **--**map **--**console

The above opens mavProxy and SITL

Open MissionPlanner and connect to MavProxy over UDP (default port = 14550)

Open Flightgear

**/ardupilot/Tools/autotest/fg\_plane\_view.bat**

Use Mavproxy to load parameters for sigrascal100

param load **..**\Tools\autotest\default\_params\plane**.**parm

Use MavProxy to load test mission waypoints:

wp load **..**\Tools\autotest\CMAC**-**circuit**.**txt  
wp list

Fly using missionPlanner:

Go to the actions tab

Set mode to auto

Arm the plane

Dronekit Notes:

Run Dronekit Python Programs in the windows10 bash subsystem. They don’t work on cygwin or on IDLE for some reason (Probably weird versions of Python)