

IMAV 2024 – Outdoor Competition Coordinates

See the Competition Rules for additional details

The IMAV 2024 organising committee reserves the right to modify these coordinates if required

All flying to be under 120metres AGL

This year’s outdoor competition will take place at the **Woodspring Wings Model Flying Club (MFC)**.

- The MFC is a private flying site with entrance restrictions.
- Access is only possible on the Monday practice day from 9.00am am till 6.00pm. On Tuesday access is possible from 08.00 am to 06.00 pm.
- Besides the practice and competition day, no access can be granted.
- Website: <https://www.woodsringwings.co.uk/>

Latitude	Longitude
51.40524049047032°	-2.8191367597325105°



Geofence coordinates (red line):

	Latitude	Longitude
F1	51.40379999945021°	-2.812356282389418°
F2	51.40685946623258°	-2.815004234777355°
F3	51.40579141351461°	-2.817678320877347°
F4	51.40508726787956°	-2.81840937698165°
F5	51.4044429026898°	-2.819998224974223°
F6	51.40453540633804°	-2.820990700718431°
F7	51.40291745318346°	-2.824989633023005°
F8	51.39994635405159°	-2.822079482030429°

Flight area coordinates (green line):

	Latitude	Longitude
G1	51.40424870902749°	-2.820119499603871°
G2	51.40364806450683°	-2.821602369304292°
G3	51.40277234701238°	-2.823731664510897°
G4	51.40074322069155°	-2.821774308525683°
G5	51.40400414773781°	-2.813566012884135°
G6	51.40610220954286°	-2.815401874714203°
G7	51.40434319438164°	-2.819871389267096°

Task 1: Performance Circuit (blue line)

- To perform 3 circuits for which the efficiency of your aircraft will be calculated.

Latitude	Longitude
51.40412401003561°	-2.815827769373542°
51.40480870184149°	-2.816702905468004°
51.40337101177714°	-2.81946343972307°
51.40269828686684°	-2.818544996467891°

Task 2: Zebra search area (yellow area):

- To carry out an automated search of a given area identifying how many animals are present.

Latitude	Longitude
51.40397348780787°	-2.820792534133579°
51.40324827491988°	-2.822579075697425°
51.40216290330571°	-2.821736580096323°
51.40318633735384°	-2.820434907050242°

Task 3: Area for Individual Animal Photos (purple area):

- The location of three animals will then be given to you, and you are to automatically capture clear images of each animal.

Latitude	Longitude
51.40362957556762°	-2.819863662028597°
51.40429280586027°	-2.820004683319591°
51.40397717175711°	-2.820793630630163°
51.40359227287529°	-2.820623028420364°
51.40318748775402°	-2.820433716921217°

Task 4: Area for Individual Animal Photos (purple area):

- You will then be given an alternate location where the adjudicator team would like to install a camera trap. You are to autonomously deploy the camera trap.
- On the competition day you will be given two locations, one on the runway and one on the grass adjacent. Teams are to choose one of these locations and for multirotors you are to land the aircraft and deploy the camera. For fixed wing aircraft you are to land as closely as possible to the chosen location.