



## Team Competition



# “Escape”

## Instruction

After being shipwrecked (by the theory paper), you are stranded on an unknown island at an unknown location. Luckily, behind the door is a satellite radio that you can use to escape the island. You must use any information available to you to find the correct combination to unlock the door.

Bolted on the door are three combination locks. Enter the correct 4-digit combination and the lock will open.

The information required on the three locks are:

- A. The **Latitude** of this island (in “00LL” format, 0000 - 0090)
- B. The **Longitude** of this island (in “0LLL” format, 0000 - 0180)
- C. The **Month** of the observed sky above you (in “00MM” format, 0001 - 0012)

In order to solve this, the sky above you is simulated from the location of the island, but with time passing faster than real time. The *only* tools you are given are:

- An equatorial sky chart
- A clock showing the current time in GMT (remember, the time is sped up)
- Pencil and paper

The answers, in this case, are literally written in the sky.

You have 2 nights to find an escape. The game will end upon the second dawn.

Your team performance will be rated based upon the time you take to escape the room. **Each wrong combination input will add 1 minute to your total time.** The first two wrong combinations on the latitude and longitude will not be penalized.

Good Luck – you’re going to need it!