Hint 1

We recommend solving this puzzler using Aladin. There, you can look for services serving, e.g., the Gaia DR3 data in the little “select” box in the lower left corner. Shameless plug: Try dr3lite.

Puzzler hints with brief demos at every coffee break Tuesday and Wednesday.
Hint 2

To plot proper motions for catalogue objects in Aladin, try the “Create a filter…” entry in the Catalog menu.

Puzzler hints with brief demos at every coffee break Tuesday and Wednesday.
Hint 3

If you found Gaia DR3, you can also find editions of the NGC catalog (shameless plug: open-ngc). These are small enough for a plain “SELECT * FROM...”.

Puzzler hints with brief demos at every coffee break Tuesday and Wednesday.
Hint 4

Aladin’s *dist* tool comes in handy when you want to do quick measurements on the sky.