**Supervisor Interaction:**

The students will have started to research the topic on the Tuesday afternoon and should have some basic knowledge of the subject, as well as what is expected of them through the week (report, presentation behaviour etc.).

First Meeting: **Wednesday 09.40** – introduce the project along with yourself to the student.

Collect the report: **Thursday 4.00-4.30pm** – students are to hand in their reports to you, there must be no extensions - all reports must be collected by the end of Thursday.

Mark the reports: Please make sure that you mark all of the group reports (according to the mark schemes provided) by **2.00pm on Friday** so that we can collate the results before the oral presentations.

Mark the presentations: **Friday 2.45-4.00pm** Please come along promptly for the groups presentations on Friday, which we will all be marking as we go along (again the mark scheme will be provided).

Other visits: We ask that you please also check in on the students at least twice a day on the Wednesday and Thursday to ensure that the group are making progress and going down the right track.

Please note that Alison and Stacey will be around all week, if there are any issues with the groups please feel free to approach us with anything – or let us know if you are unable to check in on your group etc.

HR Diagram:

The students have access to LT data of a globular cluster, and are to use NSO software, LT Image (which they will have been trained to use), or equivalent, to measure the brightness of as many stars on the outskirts of the cluster as possible in both the B and V band and create a HR Diagram of the cluster.

They should then plot the data onto a graph to show the HR Diagram for the cluster and try to define the different regions of the diagram and what they represent. They can also find out what the cluster is by looking up objects at the same RA and Dec. If they have the time we can give them more clusters – and even submit a cluster to the LT for observation whilst they are in during the week.

During the 3 days they must also complete a report based on their analysis and a presentation (in powerpoint or equivalent). These must be completed by the end of Thursday and should include an introduction, outline of their project, outline of their results and conclusions – try to ensure they cover the following information: What is a HR Diagram and what does it represent? What is a globular cluster? How do HR Diagrams of open and globular clusters vary? Why do astronomers use HR Diagrams? Etc.