

Data Analysis Question 1 Item (a)

Mark which table corresponds to the experiment (SDSS or DES):

Table 1 (); Table 2 ()

Data Analysis Question 1 Item (b)

The answer must be done in the Graph Worksheets indicated by Graph 1.

$$Y = AX + B$$

SDSS parameters: $A_{SDSS} =$

$B_{SDSS} =$

DES parameters: $A_{DES} =$

$B_{DES} =$

Data Analysis Question 1 Item (c)

$$S/N_{SDSS} \approx$$

$$S/N_{DES} \approx$$

Data Analysis Question 1 Item (d). Indicate in the table below the matches:

ID_1	matches	ID_2
	matches	
	matches	
	matches	
	matches	
	matches	
	matches	
	matches	
	matches	
	matches	
	matches	

Data Analysis Question 1 Item (e)

The answer must be done in the Graph Worksheet indicated as Graph 2.

IDs suitable for photometric calibration:

Data Analysis Question 2 Item (a)

Fill the table on the next page with your answer.

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Globular Cluster Name	d ()	x ()	y ()	z ()
NGC 6522				
NGC 6401				
NGC 6342				
NGC 6553				
NGC 6440				
Ter 12				
VV-CL160				
2MASS-GC01				
NGC 6517				
NGC 6402				
NGC 6712				
NGC 6426				
NGC 5466				
NGC 7089				
NGC 288				
NGC 2298				
NGC 4590				
NGC 4372				
NGC 362				
BH 140				
NGC 5927				
Patchick 126				
NGC 5897				
NGC 6380				
Djor 1				

Data Analysis Question 2 Item (b)

$$D = \quad \quad \quad \sigma_D =$$

Data Analysis Question 2 Item (c)

The histograms must be done in the Graph Worksheets indicated as graphs 2.1, 2.2 and 2.3.

Data Analysis Question 2 Item (d)

$$\Phi_x \approx$$

Φ_x is: () symmetrical; () quasi-symmetrical; () asymmetrical.

$$\Phi_y \approx$$

Φ_y is: () symmetrical; () quasi-symmetrical; () asymmetrical.

$$\Phi_z \approx$$

Φ_z is: () symmetrical; () quasi-symmetrical; () asymmetrical.

Shapley's hypothesis is confirmed by this sample: () True; () False.