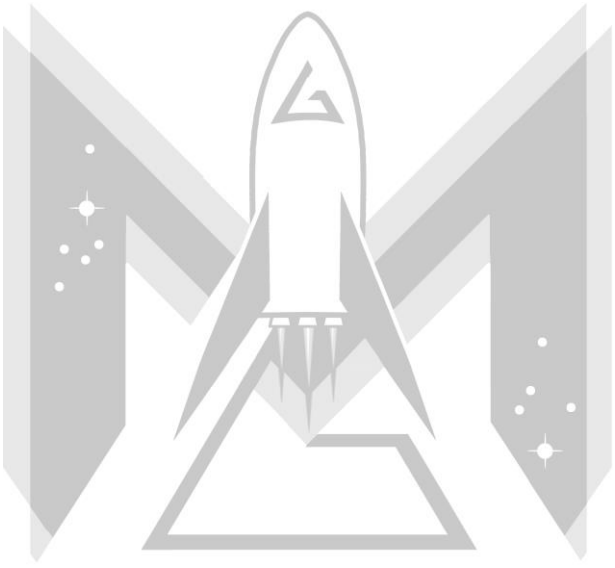

MISSION GRAVITY

DATA LOG

GRAVITATION

MISSION GRAVITY: DATA COLLECTION

OVERVIEW:

STUDYING THE MASS OF A STAR USING
THE MEASUREMENT OF GRAVITATIONAL ACCELARATION

DEPENDENT VARIABLE: Mass (Solar mass units)
INDEPENDENT VARIABLE: Time (age of star)

STAR 1

AGE years	DISTANCE d solar radii	ACCELERATION a $\frac{\text{solar N}}{\text{solar mass}}$	MASS solar mass $M = a \times d^2$	NOTES colour, etc
0 YEARS (today)				

STAR 2

AGE years	DISTANCE d solar radii	ACCELERATION a $\frac{\text{solar N}}{\text{solar mass}}$	MASS solar mass $M = a \times d^2$	NOTES colour, etc
0 YEARS (today)				

STAR 3

AGE years	DISTANCE d solar radii	ACCELERATION a $\frac{\text{solar N}}{\text{solar mass}}$	MASS solar mass $M = a \times d^2$	NOTES colour, etc
0 YEARS (today)				

STAR 4

AGE years	DISTANCE d solar radii	ACCELERATION a $\frac{\text{solar N}}{\text{solar mass}}$	MASS solar mass $M = a \times d^2$	NOTES colour, etc
0 YEARS (today)				