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<th>Student Name(s)</th>
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<th>Variable Star Observed</th>
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<tr>
<th>Date(s) Observed {YYMMDD-(D+1)}</th>
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DATA

<table>
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<th>*Times of Minimum/ Maximum (HJD)</th>
<th>Error (days)</th>
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*Remember to enter time of primary minimum for eclipsing binaries and time of maximum for pulsating variables using Heliocentric Julian Date Correction.

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<tr>
<th>Period Determinations (days)</th>
<th>Error (days)</th>
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<tr>
<td>(Yours)</td>
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<tr>
<td>(NSVS)</td>
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Ephemeris Calculations

| (Yours)                      |            |
| (NSVS)                       |            |
Lab Report Format

After all your data has been collected, type your lab report in the form of a scientific paper that can be submitted for publication. Use the IMRAD method and including a title and abstract.

INTRODUCTION

Write a brief intro discussing the importance of the star(s) you studied and why they are significant.

METHOD

Be specific enough here so that anyone could duplicate your results. The methods section must contain this information:

The variable star(s) ____________ was (were) observed for (#N) nights (list dates) using the 24” DFM Cassegrain telescope at Emory University Observatory. (#N) images were taken with an Apogee AP47 CCD using (list filters) filter(s) with a 9.5 arc-min x 9.5 arc-min field of view.

List all comparison stars by designation used for each variable along with their respective magnitudes in table form and/or include a finder chart for the region.

You should include ALL methods used, i.e. calibration, data reduction (software) and data analysis (software).

RESULTS

List ALL the results you obtained, i.e. period(s), minimum/maximum timings. You may also include the results from the NSVS for comparison. PERANSO can be used to export graphics by selecting the window and “Observations Window/ Copy Image to Clipboard”

DISCUSSION

Include information on how your data compares to the NSVS or any other data that might be available (see instructor). Show any discrepancies in (O-C) diagrams along with any anomalous points of interest.