

Data Preparation

Yifan Zhou

October 18, 2014

1 CENTROID OF PRIMARY STAR

4 methods were tested to locate the centroid of the primary objects for all 78 cosmic ray removed images of ABPIC-B. I compared the 4 sets of results for each method in order to determine the best method in this situation where the image of the primary star is slightly saturated.

1.1 METHOD INTRODUCTION

1. `CNTRD.PRO`

IDL routine `CNTRD.PRO` locates the position where the X and Y derivatives go to zero. The search area of `CNTRD.PRO` can be adjusted with parameter `EXTENDBOX`.

- 2.