# MAPPING WITH TPOINT

1. Launch TPoint (there is an icon on the desktop)
2. Launch TheSky6 (there is an icon on the desktop)
3. From the Sky6 menu bar [menu] Edit > 'Insert new Object'
4. (Scroll down) Select 'TPoint Model'
5. Select 'New', click 'OK'. Do not select 'Display as Icon' at this time.
6. Slew to your first star (see instructions for 'TheSky6')
7. Centre the star in the eyepiece, using the crosshairs if available.
8. In TheSky6's 'Object Information Window', click the 'Telescope' tab.
9. Click 'Sync', then 'OK'.
10. Click the 'Map' button at bottom right. For 'Confirm Map', click 'OK'.
11. Find another (nearby) star (within, say, 10° will do). Centre it up.
12. **DO NOT PRESS SYNC AGAIN**.
13. Click the 'Map' button; for 'Confirm Map', click 'OK'.
14. Repeat steps 11-13 for more nearby stars.
15. When you have 6 stars mapped, a model is established and the radius of the inner error circle (the 'RMS' value) should drop dramatically.
16. After 6 stars have been mapped, you should continue with stars over the entire sky. (A total of 20 mapping stars is recommended.)
17. To look at the model, right-click in the 'Points Mapped' window in TheSky6.
18. Select 'TPoint Model Object'>'Open'. (If you select 'Edit', you can get out of that by pressing the 'Esc' key.)
19. Select [menu] > 'Fit Data'.
20. You may want to add terms, like 'Fork Flexure', etc. Add terms by clicking a check box at left. The Help files tell us that if the psd figure at top right in the scatter window increases when you add a term, then do not add that term.
21. You should save the model. In the TPoint model window, [menu] 'File' > 'Save Copy As ..'
22. Save in the folder My Documents > Software Bisque > TheSky6 > TPoint Models.
23. To minimize the 'Points Mapped' window, right-click in it and select 'Show As Icon'. (Repeat to de-minimize the window.)
24. At shutdown, on the Virtual Handpad's ''Scope' tab, click 'Park'.
25. In TheSky6, [menu] Telescope > Link > Terminate.
26. Close the Virtual Handpad window.
27. In TheSky6, [menu] > File > Exit.
28. In answer to 'Save Changes to Normal', select 'Yes'
29. When done observing, redefine the park position.
30. Move the telescope to a convenient position.
31. On the virtual handpad scope tab, click STOP, Setprk, then Prk.

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