

Method for Setting Tribrach Over Established Point

By Cal Dunblazier 2-4-11

1. Open Tripod and extend legs
2. Keeping top level, place tripod head approximately over point.
3. Attach tribrach to tripod.
4. Step back and visually line up tripod top with point. Standing between leg "A" and leg "B" helps to visually line things up. Pivot tripod about leg "C" to adjust location.
5. Perform step 4 again standing between leg "B" and "C". Pivot tripod about leg "A".
6. Anchor tripod
7. Locate point using optical plummet, and move optical plummet target over point using tribrach leveling screws. (Remember the 2 and 1 rule with three leveling screws).
8. Check fish eye bubble and rough level by adjusting two legs up and/or down. You will use only two legs and always the same two legs from this point on.
9. When fish eye is rough leveled, check optical plummet, adjust optical plummet target to point if necessary following instructions listed in number 7.
10. Perform step 8 if necessary. Repeat steps 7, 8, and 9 as needed.
11. Perform fine level adjustment of fish eye bubble using tribrach leveling screws.
12. Check optical plummet and if adjustment is needed loosen tribrach and gently slide plummet target over point. This should be a minor amount.



Figure 1 RTK Base