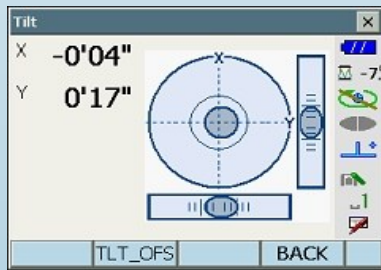




Vertical adjustment for Topcon/Sokkia PS/DS & SX/DX

Setup instrument on a stable tripod and level unit up. Setup 360 prism and rod with a bipod at 300 ft from the instrument and proceed with adjustment under CONFIG menu.

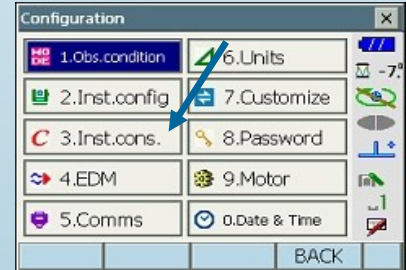
#1 Check Leveling under the Tilt Screen



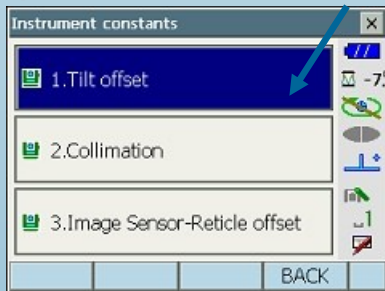
#2 Main Display Screen press CONFIG



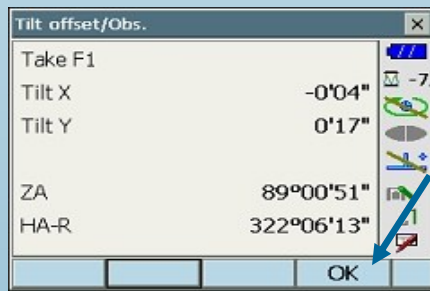
#3 Press Inst Const Button or #3



#4 Press TILT OFFSET Button



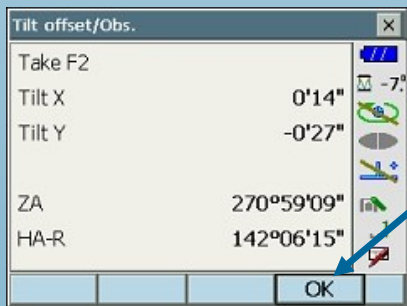
#5 Press OK Button on Face 1



#6 Caution instrument will rotate



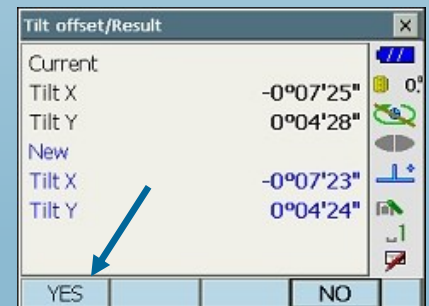
#7 Press OK Button on Face 2



#8 Caution instrument will rotate

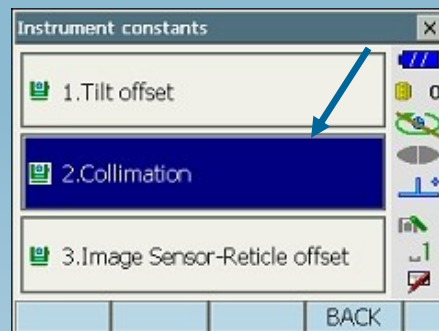


#9 Press YES Button to store values

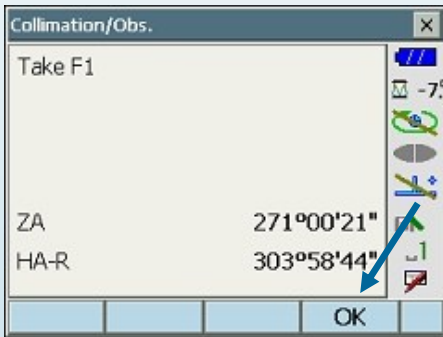


Next we will move to the H & V axis Collimation: This will correct for any vertical angle error and adjust the double centering of the reticle.

The tilt sensor adjustment should always be preformed first.



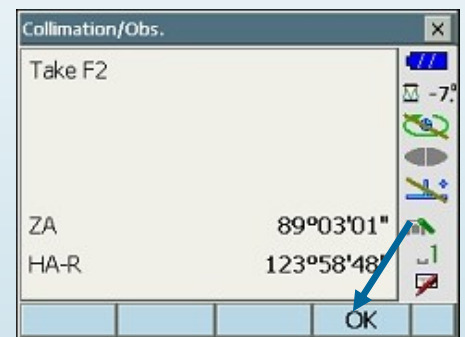
#10 Sight Target Precisely F1 , Press OK



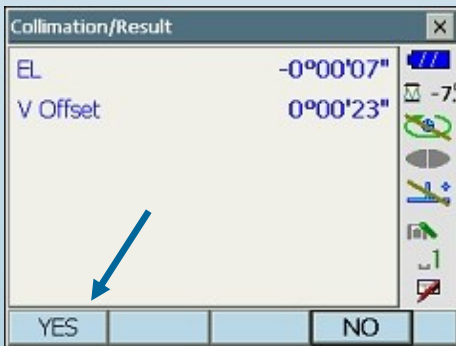
11 Caution Instrument will Rotate



12 Sight Target Precisely on F2, Press OK

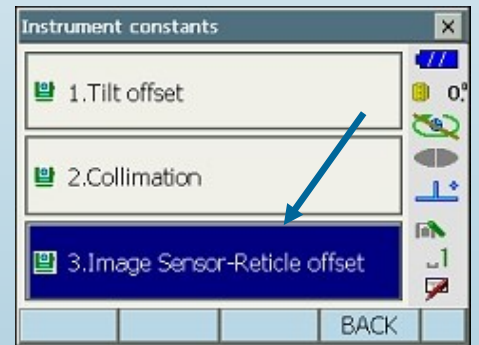


12 Review Correction Values and Store by Pressing YES



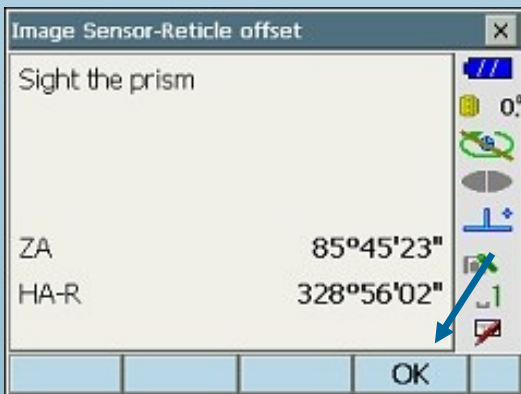
Next we will move to the Tracking Image Sensor Adjustment, this will correct any error in the way the unit tracks the prism.

This will set the reticle to track at center prism .



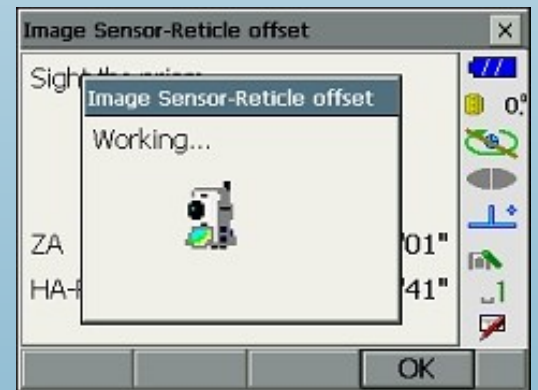
#13 Sight the Prism Precisely in the center @ 300 ft

Then press the OK .



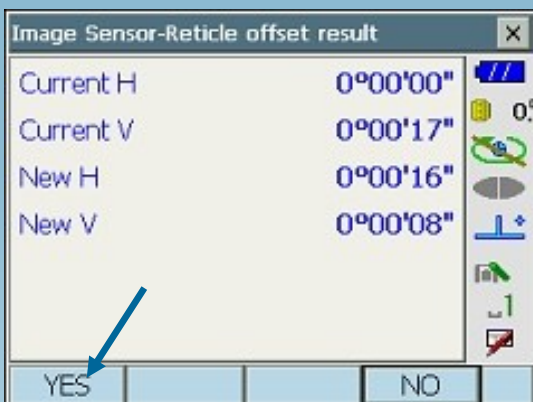
#14 Wait for the instrument to make corrections,

This ay be 30-40 seconds to make calculations.



#15 The new Reticle offset Values will be displayed

Press YES to store new position.



Field Collimation is completed .

1. Tilt Sensor Adjustment
2. Collimation for H & V
3. Tracking Image Sensor