Comparison of MiniGRID 2006 with 2004/2005

→ Magnet pointing slightly lower and to the left compared to 2004/2005
→ But in principle same situation as 2004/2005
Comparison of MiniGRID 2006 with 2004/2005

Magnet too low:

→ Not yet clear what happened!
  • Before grid:
    Belt ok and magnet leveled at usual encoder value
  • After grid:
    Belt is off and magnet leveled at different encoder value!!

???

Magnet too much to left:

→ Works done close to turning wheel
→ If it was turned when not on rails, loss of correlation possible

???
Magnet pointing too low and to the left if moving right (tracking direction)
Magnet pointing too low and to the right if moving left (tracking direction)
Juan used 2002 GRID for the tracking program!
Comparison of MiniGRID 2006 with 2002 (Tracking GRID)

**Magnet too low:**

- In 2002 magnet was not leveled before GRID
  (26492 corresponded to 0.0083°, i.e. about 1.5mm @10m)
- Possible solutions:
  - New GRID and refitting data to code
  - Find encoder value at which magnet at 0 according to software
    Use this as new leveling point instead of 26392

**Magnet too much to left when moving right:**

- Play of magnet to avoid too much stress on screws
- Wheels on rail have play as well

- Possible solution:
  Move magnet a it to the right & reset encoders
  Then check it with Grid
Alignment of MM telescope

It should be kept in mind:

→ Tracking Program according to V1 (CCD side magnet bore)

→ V1 and V2 differ by about 2.7mm @ 10m in the vertical

→ This must be considered for the alignment of the new telescope!!!
Conclusions

1. Situation in 2006 is basically the same as in 2004 and 2005

2. 2002 is the Tracking GRID
   Compared to this
   a) Offset in the vertical
   b) Freedom in the horizontal which erases if when all directions are considered

   → Shall we correct? And HOW???

3. Alignment of new telescope for MM

   → Keep in mind that tracking grid was made for V1