

16 pointing sources observed
 rms observed: 3.42"
 rms after fit: 2.41"

```
mrt@rt-l x1: poi nti ng>cat poi nti ng- NI KA 30m
-6.61 p1 (arc-sec) P1
-7.40 p2 (arc-sec) P2
-1.63 p3 (arc-sec) P3
-12.75 p4 (arc-sec) P4
-16.78 p5 (arc-sec) P5
-11.34 p7 (arc-sec) P7
-74.36 p8 (arc-sec) P8
-15.18 p9 (arc-sec) P9
1.44 rxho (arc-sec) RX_HCR
11.55 rxve (arc-sec) RX_VERT
0.002 refract3 THI RD_REFRACT
1000 subref. rotationZero ZERO_PCL
145.3 subref. rotationPhi 0 (deg) PHI_PCL
31.58 subref. rotationRadius (deg) EPSI LON_PCL
2.0 encoder. sinCol (arc-sec) COL_SI NUS
-0.3 encoder. cosCol (arc-sec) COL_COSI NUS
```


 # 12-06-05 vb: copi ed from poi nti ng- EM R 30m
 ###

Pointing Model file for NIKA

Pointing with NIKA at 30m - Nov. 2012 campaign (JP)

History

Initially the observations were done with the 2 mm pixel number 453 as the central pixel

In the previous conditions the pointing model parameters P1 and P7 were changed

On 20-Nov-2012 the 2 mm central pixel was changed from pixel 453 to pixel 414, with the advantage that is close to a 1 mm pixel

Then a Nasmyth correction was implemented in the pointing model file, with parameters P10 and P11, from a reduced set of 16 pointing scans (see attached plots)

The new pointing model was implemented from scan 142 on 21-Nov-2012. Pointing checks were done before and after the change to confirm the good correction

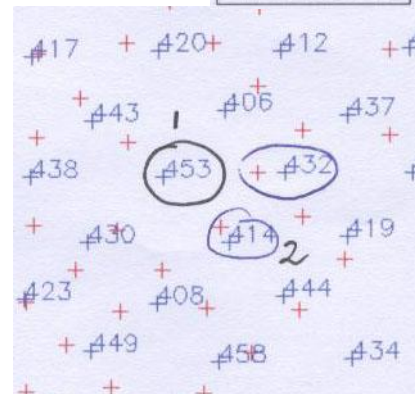
Blind pointing sessions with NIKA always had a pointing correction rms below 3.5"

The implemented pointed model has a rms of 2.41", although only 16 pointing scans were observed during 10 hours

misalignment between 2 mm pixels 414 and 453 about 10.3"

misalignment between 2mm and 1mm pixels 414 = 2.5" ± 0.5" (from observ. on 20-Nov-2012)

+ A1mm
 + B2mm



NIKA central pixels disposition