ssh — paKo — 140×32 — ⌘2

ssh

```
I-BACKEND     ,  no receiver name specified as parameter
I-BACKEND     ,  no 2nd receiver name specified as parameter
I-BACKEND     ,  Continuum total hardware used [%]: 0.0
I-BACKEND     ,  100kHz total hardware used [%]: 0.0
I-BACKEND     ,  1MHz total hardware used [%]: 0.0
I-BACKEND     ,  4MHz total hardware used [%]: 100.0
I-BACKEND     ,  USB total hardware used [%]: 0.0
I-BACKEND     ,  WILMA total hardware requested [%]: 100.0
I-BACKEND     ,  VESPA total hardware used [%]: 33.3
I-BACKEND     ,  4MHz 1 4.000 4024.0 248.0 E090 horiz UO none 100.0 none
I-BACKEND     ,  4MHz 2 4.000 4024.0 -248.0 E090 verti UI none 100.0 none
I-BACKEND     ,  WILMA 1 2.000 3720.0 265.0 E090 horiz UO none 100.0 none
I-BACKEND     ,  WILMA 2 2.000 3720.0 -265.0 E090 verti UI none 100.0 none
I-BACKEND     ,  WILMA 3 2.000 3720.0 265.0 E230 horiz LI none 100.0 none
I-BACKEND     ,  WILMA 4 2.000 3720.0 265.0 E230 verti LI none 100.0 none
I-BACKEND     ,  VESPA 1 0.040 40.0 0.0 E090 horiz UO none 90.0 CO-1-0
I-BACKEND     ,  VESPA 2 0.040 40.0 0.0 E090 verti UI none 90.0 myLine2
I-BACKEND     ,  VESPA 3 0.040 40.0 0.0 E230 horiz LI none 90.0
I-BACKEND     ,  VESPA 4 0.040 40.0 0.0 E230 verti LI none 90.0 LILO
PAKO> show
I-SHOW        ,  paKo Revision v 1.1.1 2009-04-14
I-SHOW        ,  Level. For standard output: 0. For file: 0
I-SHOW        ,  Queue. doSubmit: F
I-SHOW        ,  Project "111-22"
I-SHOW        ,  PI "Dr. Jane D. Doe"
I-SHOW        ,  Observer "John Doe"
I-SHOW        ,  Operator "Pako"
I-SHOW        ,  Topology "LOW"
I-SHOW        ,  Pointing. azimuthCorrection: 0.0000000E+00
I-SHOW        ,  Pointing. elevationCorrection: 0.0000000E+00
I-SHOW        ,  Focus. focusCorrection: 0.0000000E+00
PAKO>
```

$\wedge$

$>$

l

b

x

y

$$x = (l - l_{source}) * \cos(b)$$

$$y = b - b_{source}$$

$$l_{source}$$

$$b_{source}$$

$$\Delta a = (a - a_{source}) * \cos(e)$$

$$\Delta e = e - e_{source}$$

a

e

$$a_{source}$$

$$e_{source}$$

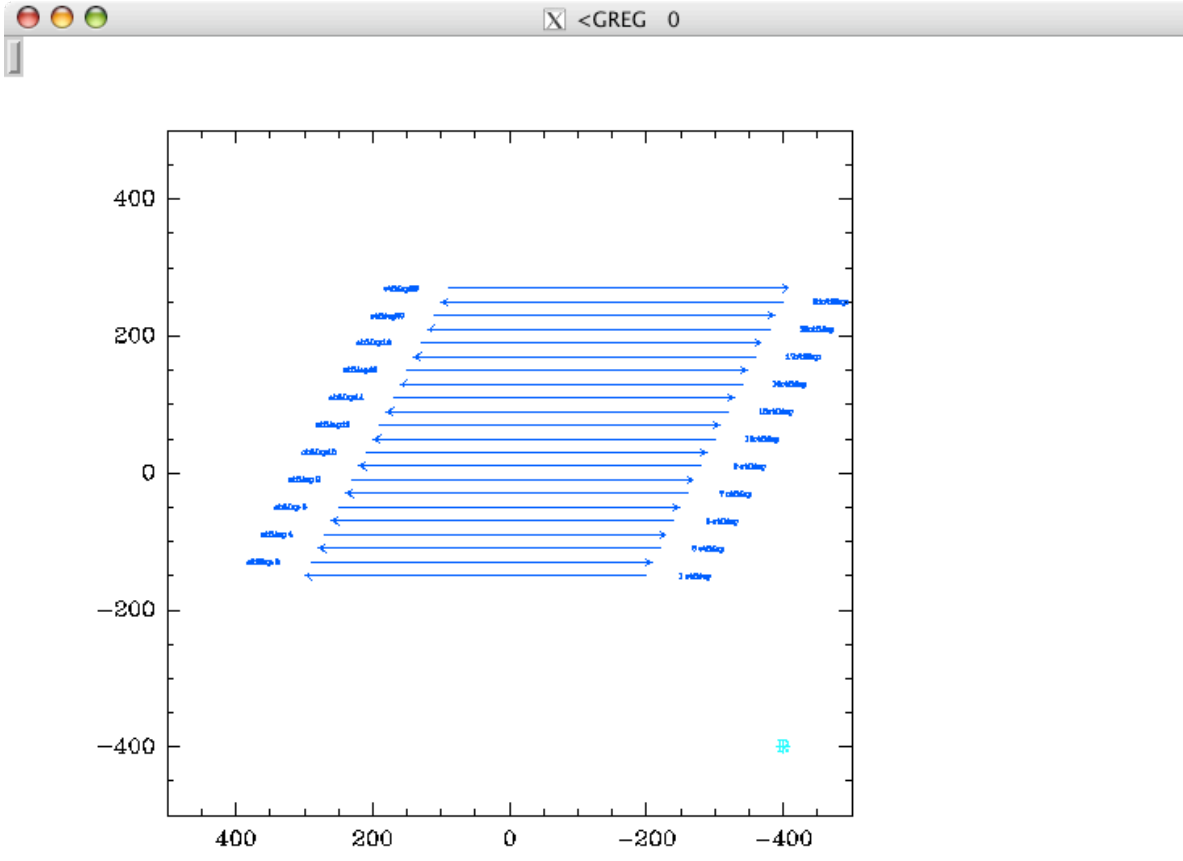
-600

-700

paKo

```
        name          system     longitude        latitude        velocity
SOURCE  W30H          eq J2000.0 02:27:03.881     +61:52:24.57    LSR    0.000
                            [h]      2.451078                     SET Topology  low            SET doSubmit  NO  (F)
                        [deg]     36.766172        61.873492      SET Pointing        0.0    0.0
                        [rad]    0.64169075       1.07989616      SET Focus          0.00 [mm]
OFFSETS
CATALOG SOURCE iram-J2000-LSR.sou                                CATALOG LINE  model.lin

RECEIVER lineName       frequency [GHz]    SB /doppler  /width   /gain [dB]   /tempLoad     /efficiency  /scale
E090     12CO(1-0)           115.271204   UO   Doppler           0.050 -13.  L      L       0.95   0.75  antenna
                                                         /Horizontal  UO                     /Vertical  UI
E230     12CO(2-1)           230.537990   LI   Doppler           0.050 -13.  L      L       0.91   0.52  antenna
                                                         /Horizontal  LI                     /Vertical  LI

OTFMAP     (On-The-Fly OTF Map)              [arcsec]

  xStart yStart              -300.000       -300.000
  xEnd   yEnd                 300.000       -300.000
     --> lengthOtf            600.000
  /system                projection
  /reference                        F
    xOffsetR  yOffsetR       -600.000          0.000
    systemNameRef               0.000
  /croLoop

  /nOtf                            12
  /step dx dy                   0.000         10.000
  /speed sStart sEnd            5.000          5.000
  /tOtf                       120.000
  /tReference                  10.000
  /zigzag                           T

SWFREQUENCY (Frequency Switching)

    fOffset1  fOffset2  [MHz]
      -3.900     3.900 /receiver E090
     -11.700    11.700 /receiver E230

   /tPhase                          0.100

BACKEND nPart resolu.  bandw.  fShift /receiver    /mod /perc /lineName
4MHz       1    4.000  4024.0   248.0 E090 hor UO
4MHz       2    4.000  4024.0  -248.0 E090 ver UI
WILMA      1    2.000  3720.0   265.0 E090 hor UO        100.0
WILMA      2    2.000  3720.0  -265.0 E090 ver UI        100.0
WILMA      3    2.000  3720.0   265.0 E230 hor LI        100.0
WILMA      4    2.000  3720.0   265.0 E230 ver LI        100.0
VESPA      1    0.040    40.0     0.0 E090 hor UO         90.0 CO-1-0
VESPA      2    0.040    40.0     0.0 E090 ver UI         90.0 myLine2
VESPA      3    0.040    40.0     0.0 E230 hor LI         90.0
VESPA      4    0.040    40.0     0.0 E230 ver LI         90.0 LILO

PAKO\OTFMAP                                                                                    paKo v 1.1.1
```

Refresh Exit


X <GREG 0
400
200
0
−200
−400
400
200
0
−200
−400

$+3.4$

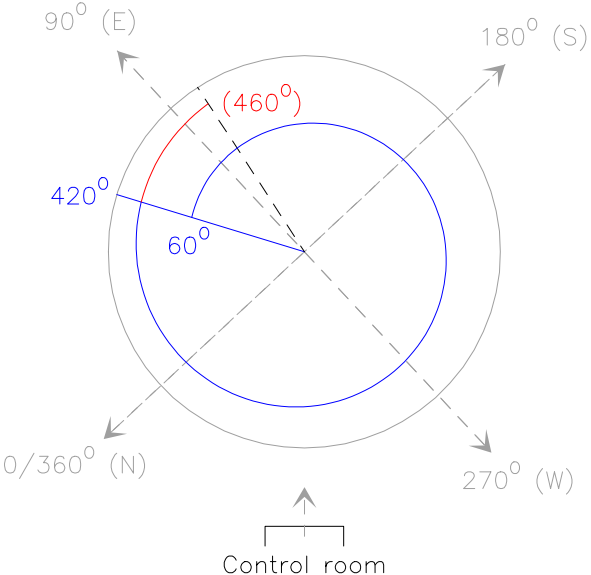
-1.2

-2.1

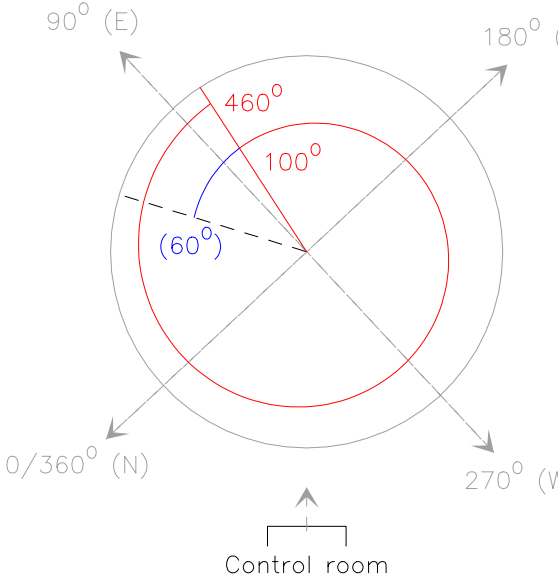
-300

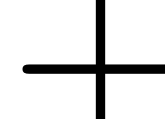
$+300$

TOPO LOW : Az [60°,420°]



TOPO HIGH : Az [100°,460°]





$$0.25$$

$\pm 120''$

1

2