$i = 1$



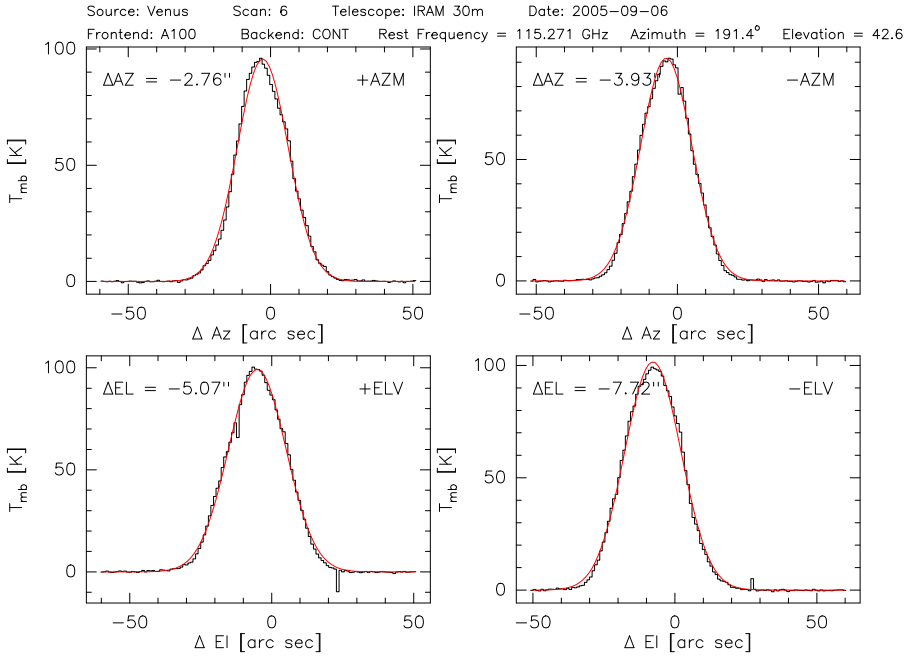
$$d = -v_{\mathrm{obs}}/c$$

d



> 0

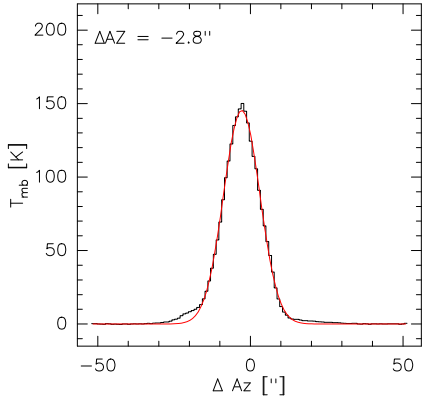
Tip: If you search with FIND in a large data archive, the search procedure becomes slow, since it has to open each individual fits file. Note that FIND is *not* a prerequesite for MIRA command SCAN (see below). You can also accelerate the search by using at least one of the options /BACKEND, /OBSERVED or /SCAN (SCAN will be fastest).

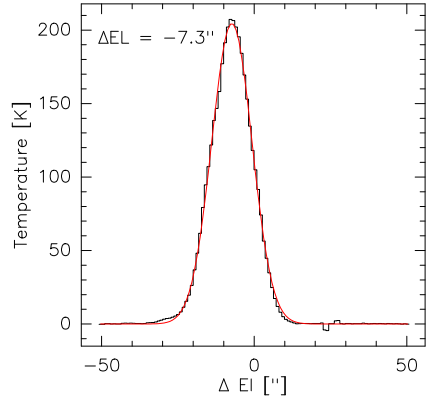

Source: Venus Scan: 6 Telescope: IRAM 30m Date: 2005−09−06
Frontend: A100 Backend: CONT Rest Frequency = 115.271 GHz Azimuth = 191.4° Elevation = 42.6
ΔAZ = −2.76'' +AZM
ΔAZ = −3.93'' −AZM
ΔEL = −5.07'' +ELV
ΔEL = −7.72'' −ELV
T_mb [K]
Δ Az [arc sec]
Δ El [arc sec]
100
50
0
−50
0
50

Source: Venus Scan: 6 Telescope: IRAM 30m Date: 2005-09-06

Frontend: B230 Backend: CONT Rest Frequency = 230.538 GHz

Azimuth = 191.4° Elevation = 42.6° new Az corr = −1.7" new El corr = −5.1"





Source: K3−50A Scan: 26 Telescope: IRAM 30m Date: 2005−04−08

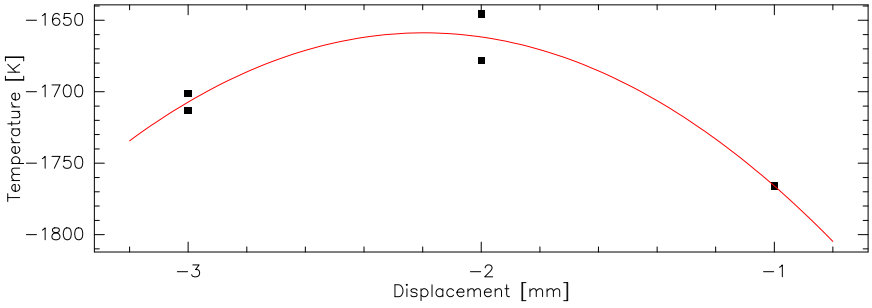
Frontend: A100 Backend: CONT

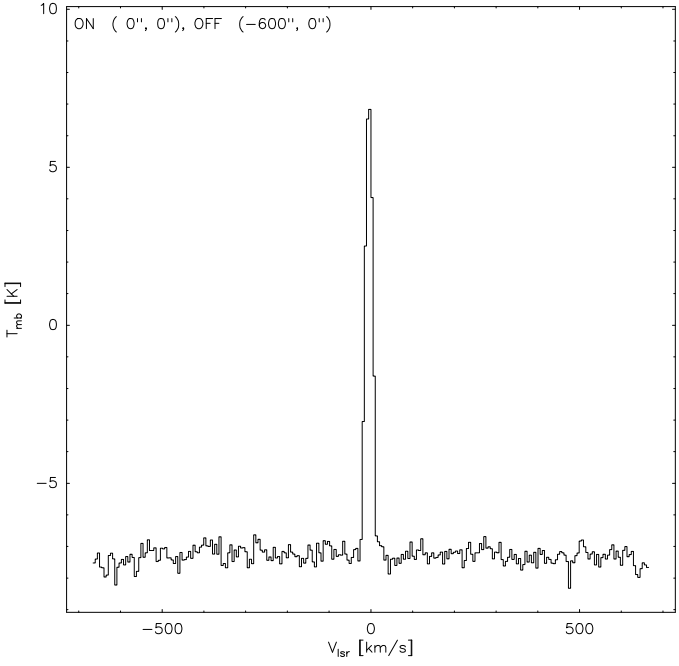
Azimuth = 277.8° Elevation = 54.3°

Current focus: sfcz = −2 mm

Focus offset: Δ = −0.2 mm

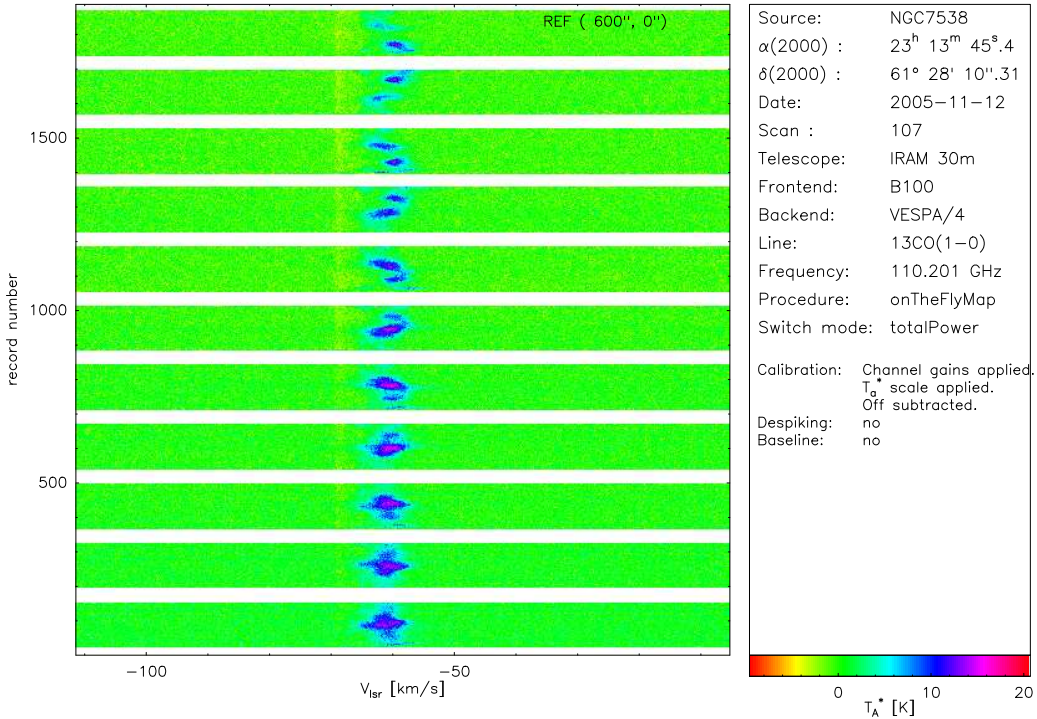
New focus: sfcz = −2.2 mm

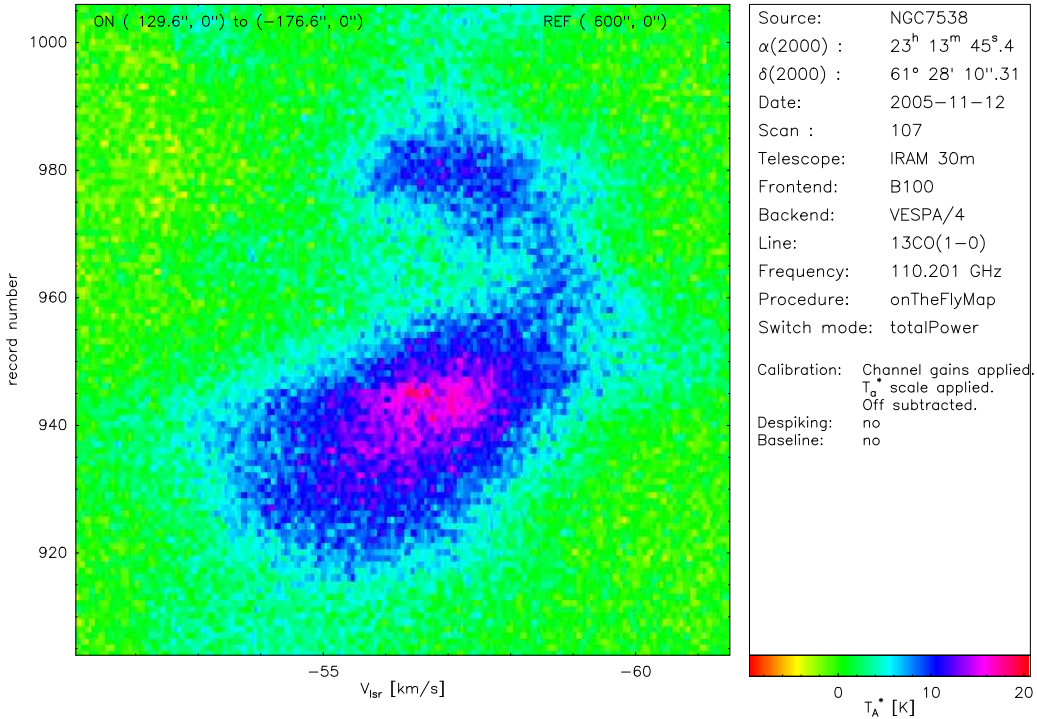


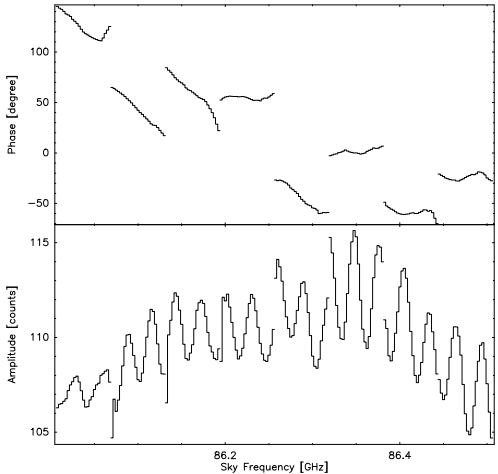


Source:	IRC+10216
Scan :	13
Telescope:	IRAM 30m
Frontend:	A230
Backend:	4MHz
Line:	12CO(2−1)
Procedure:	onOff
Switch mode:	totalPower

Calibration:	Channel gains applied. Off subtracted. T_a^* scale applied.
Despiking:	no
Baseline:	no


REF (600", 0")
record number
1500
1000
500
−100
−50
V_{lsr} [km/s]
Source: NGC7538
α(2000) : 23h 13m 45s.4
δ(2000) : 61° 28' 10".31
Date: 2005−11−12
Scan : 107
Telescope: IRAM 30m
Frontend: B100
Backend: VESPA/4
Line: 13CO(1−0)
Frequency: 110.201 GHz
Procedure: onTheFlyMap
Switch mode: totalPower
Calibration: Channel gains applied.
T_a^* scale applied.
Off subtracted.
Despiking: no
Baseline: no
0
10
20
T_A^* [K]


ON (129.6", 0") to (−176.6", 0")
REF (600", 0")
record number
1000
980
960
940
920
−55
−60
V_lsr [km/s]
Source: NGC7538
α(2000) : 23h 13m 45s.4
δ(2000) : 61° 28' 10".31
Date: 2005−11−12
Scan : 107
Telescope: IRAM 30m
Frontend: B100
Backend: VESPA/4
Line: 13CO(1−0)
Frequency: 110.201 GHz
Procedure: onTheFlyMap
Switch mode: totalPower
Calibration: Channel gains applied.
T_a* scale applied.
Off subtracted.
Despiking: no
Baseline: no
0
10
20
T_A* [K]



Source:	2200+420
α(2000) :	$22^h\ 2^m\ 43^s.3$
δ(2000) :	42° 16' 40".7
Date:	2006−04−21
Scan :	118
Telescope:	IRAM 30m
Frontend:	I100
Backend:	VESPA
Line:	SIO(V1)
Frequency:	86.243 GHz
Procedure:	calibGrid
Switch mode:	totalPower

xpol amp. & phase

n_{fb}

n_{pix}

n_{bd}



n_{chan}



n_{rec}

n_{ph}







n_{fast}

$n_{\mathrm{pix}} \times n_{\mathrm{bd}}$



$$n_{\mathrm{pix}} \times n_{\mathrm{cpb}} \times n_{\mathrm{rec}} \times n_{\mathrm{ph}}$$

$n_{\mathrm{pix}} \times n_{\mathrm{chan}} \times n_{\mathrm{rec}}$



$n_{\mathrm{pix}} \times n_{\mathrm{ch}}$





$n_{\text{subr}} \times 3$

$n_{\text{subr}} \times 4$



$$n_{\text{allFast}} \geq n_{\text{fast}}$$

$n_{\text{allFast}} \times 2$

$n_{\mathrm{bd}} \times n_{\mathrm{pix}} \times n_{\mathrm{cpb}}$

$n_{\mathrm{bd}} \times n_{\mathrm{pix}}$

