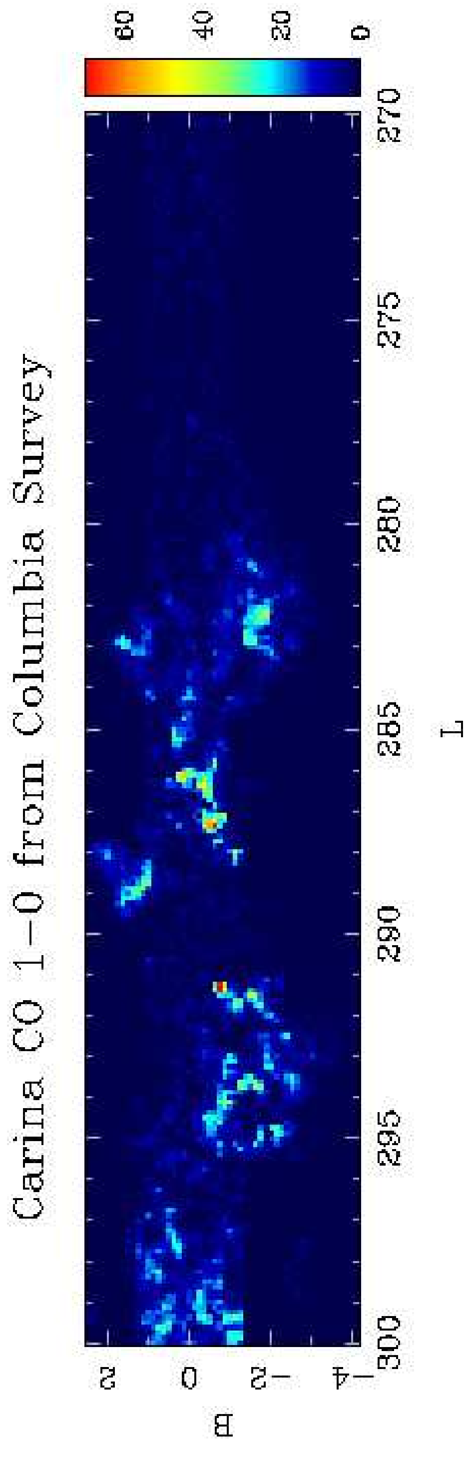
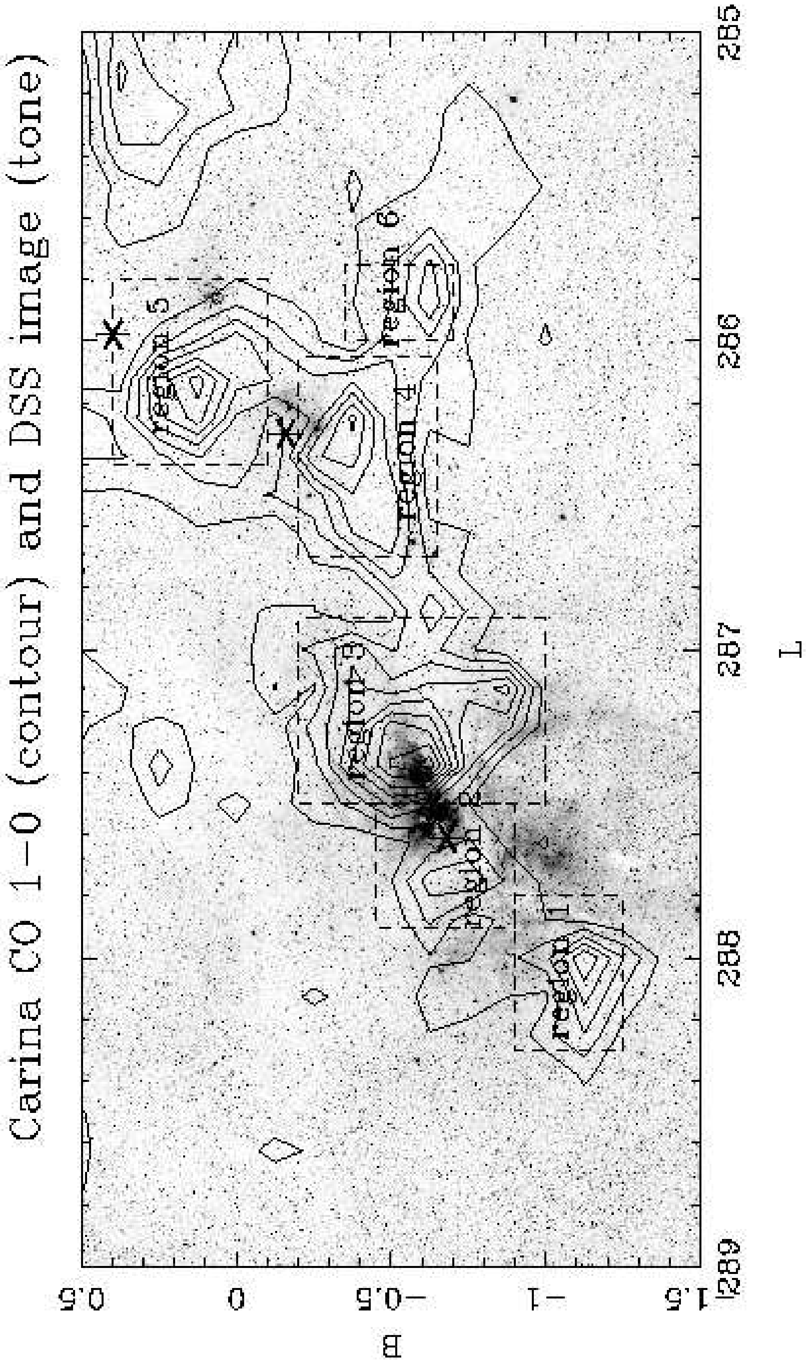
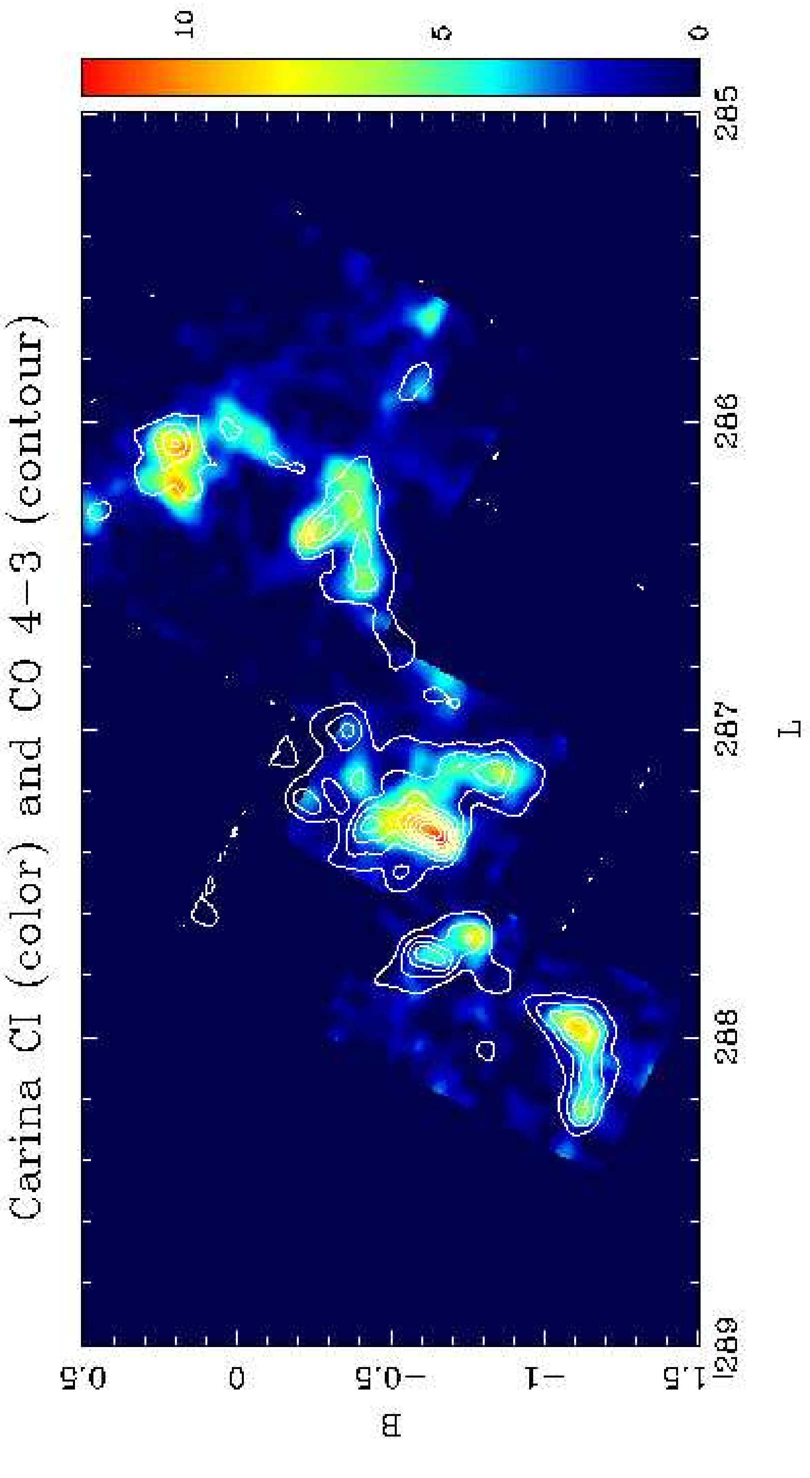
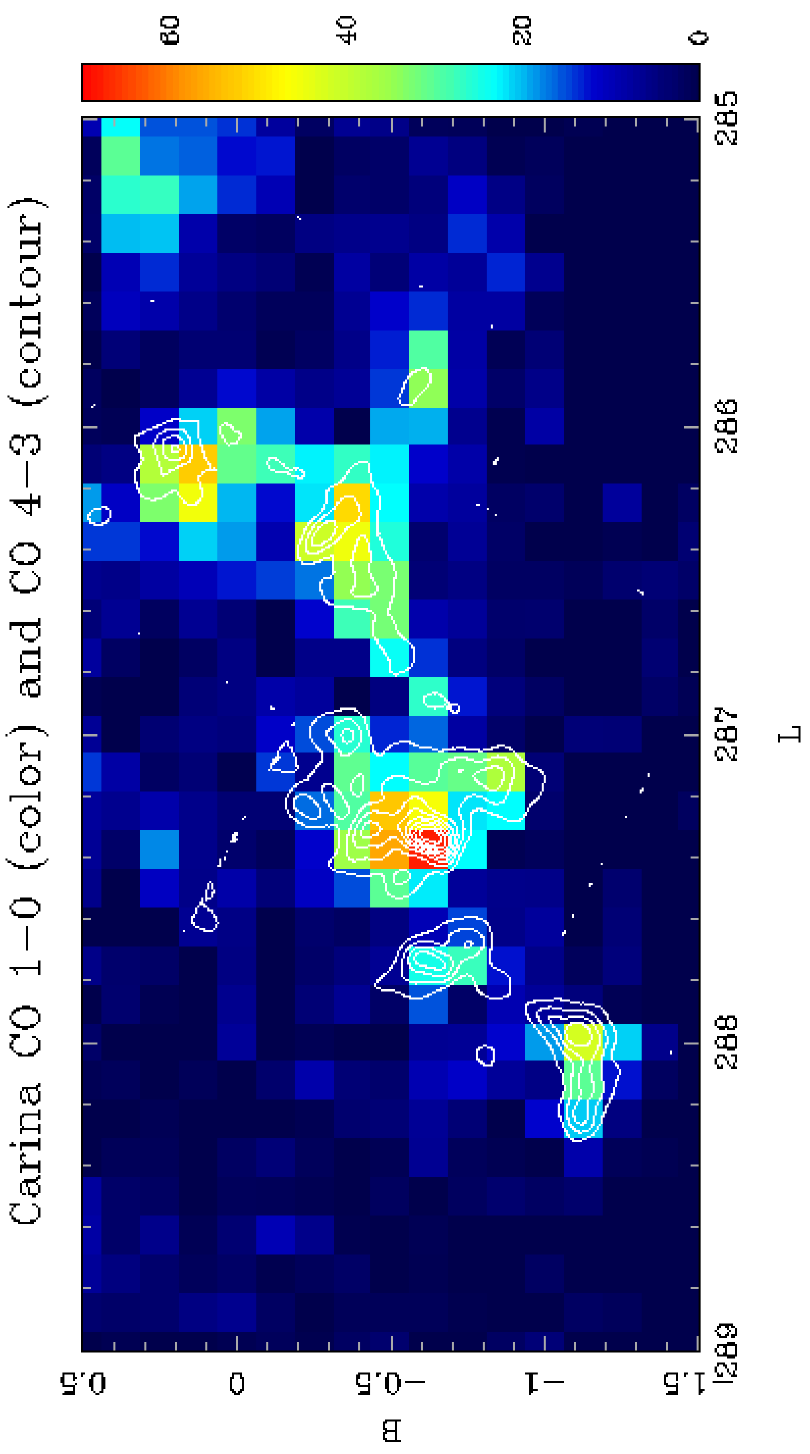
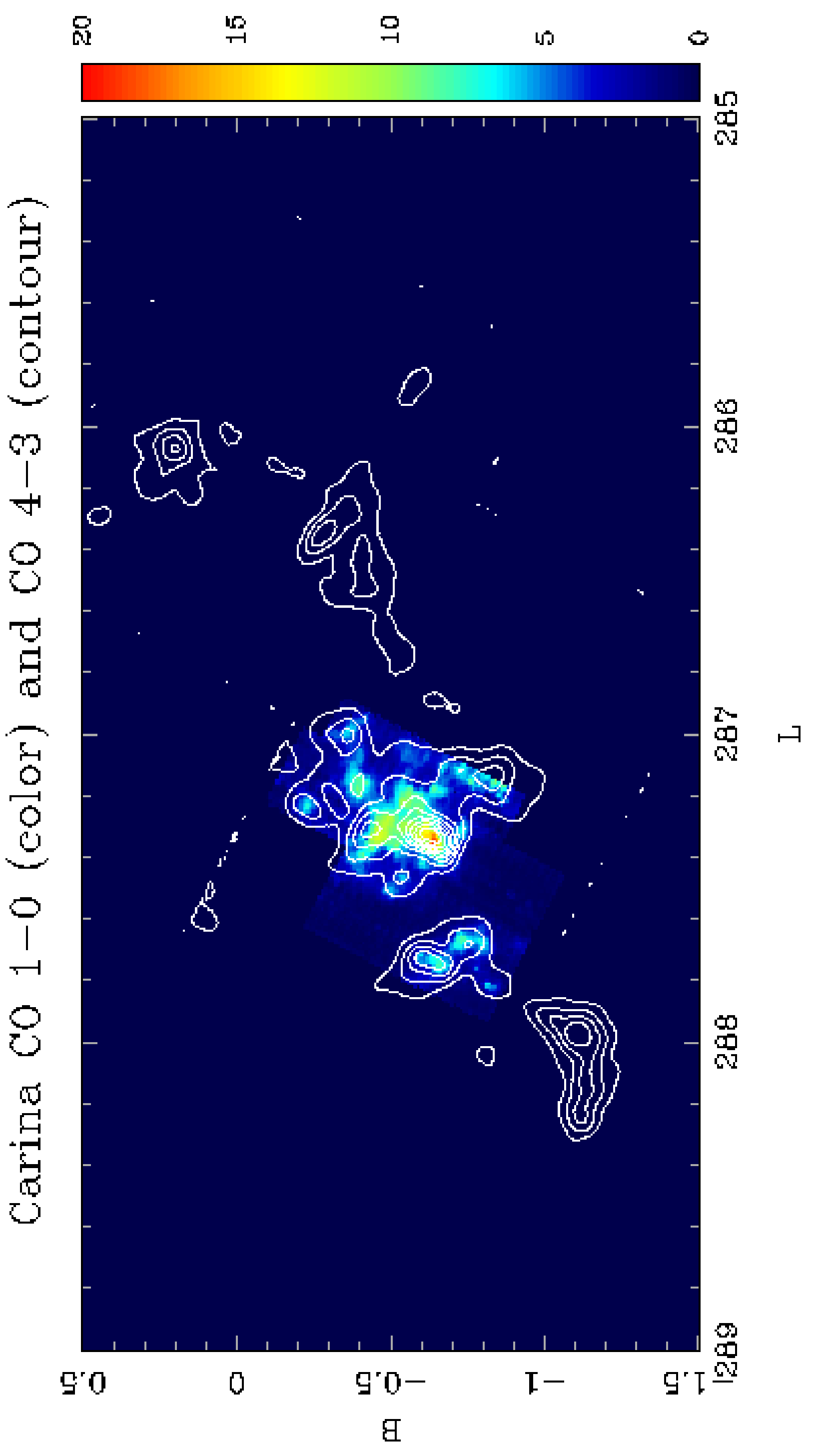

Carina CO 1−0 from Columbia Survey
L
B
300
295
290
285
280
275
270
2
0
−2
−4
60
40
20
0


Carina CO 1–0 (contour) and DSS image (tone)
region 1
region 2
region 3
region 4
region 5
region 6
L
B
289
288
287
286
285
0.5
0
−0.5
−1
−1.5

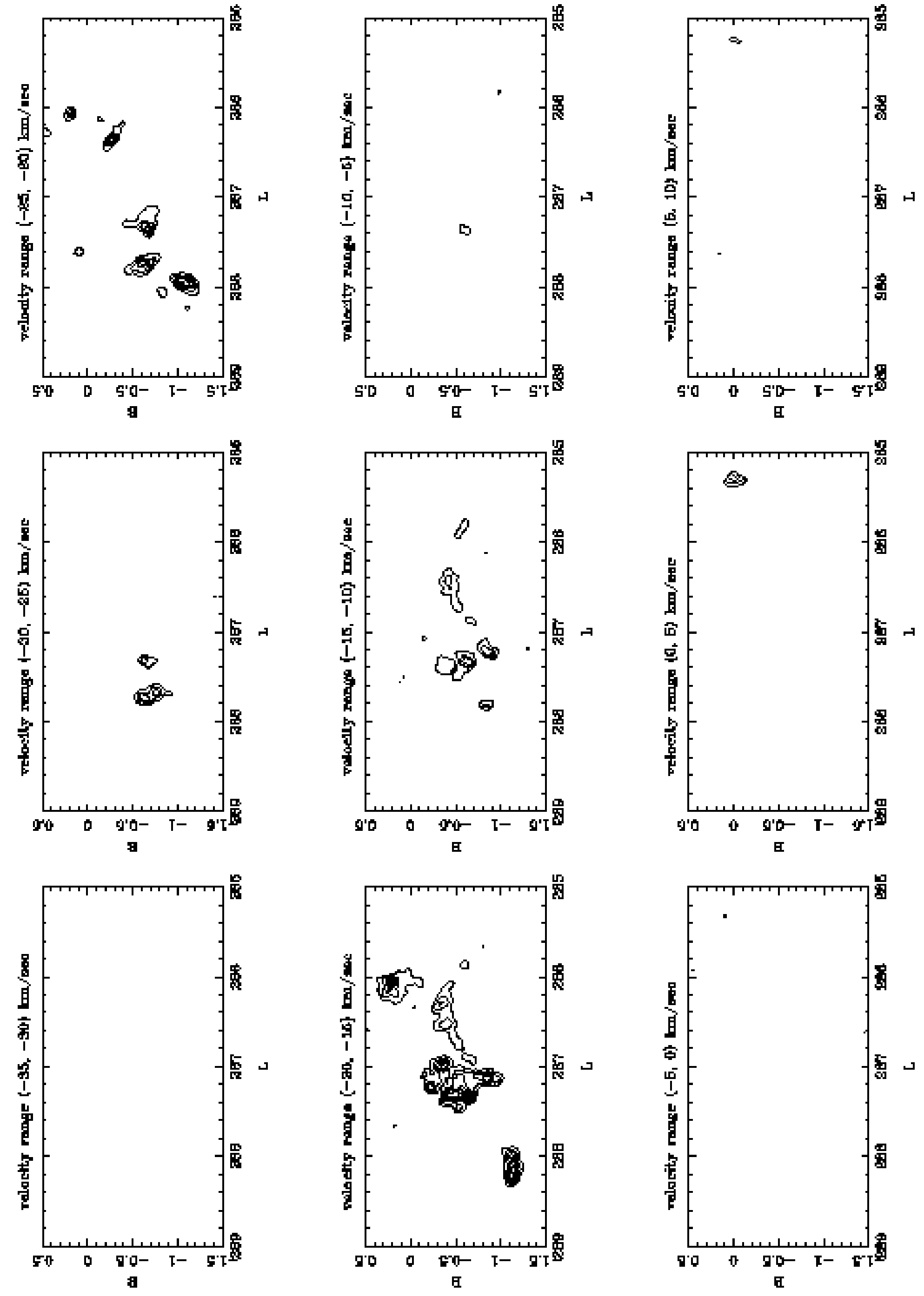

Carina CI (color) and CO 4−3 (contour)
10
5
0
289
288
287
286
285
L
0.5
0
−0.5
−1
−1.5
B

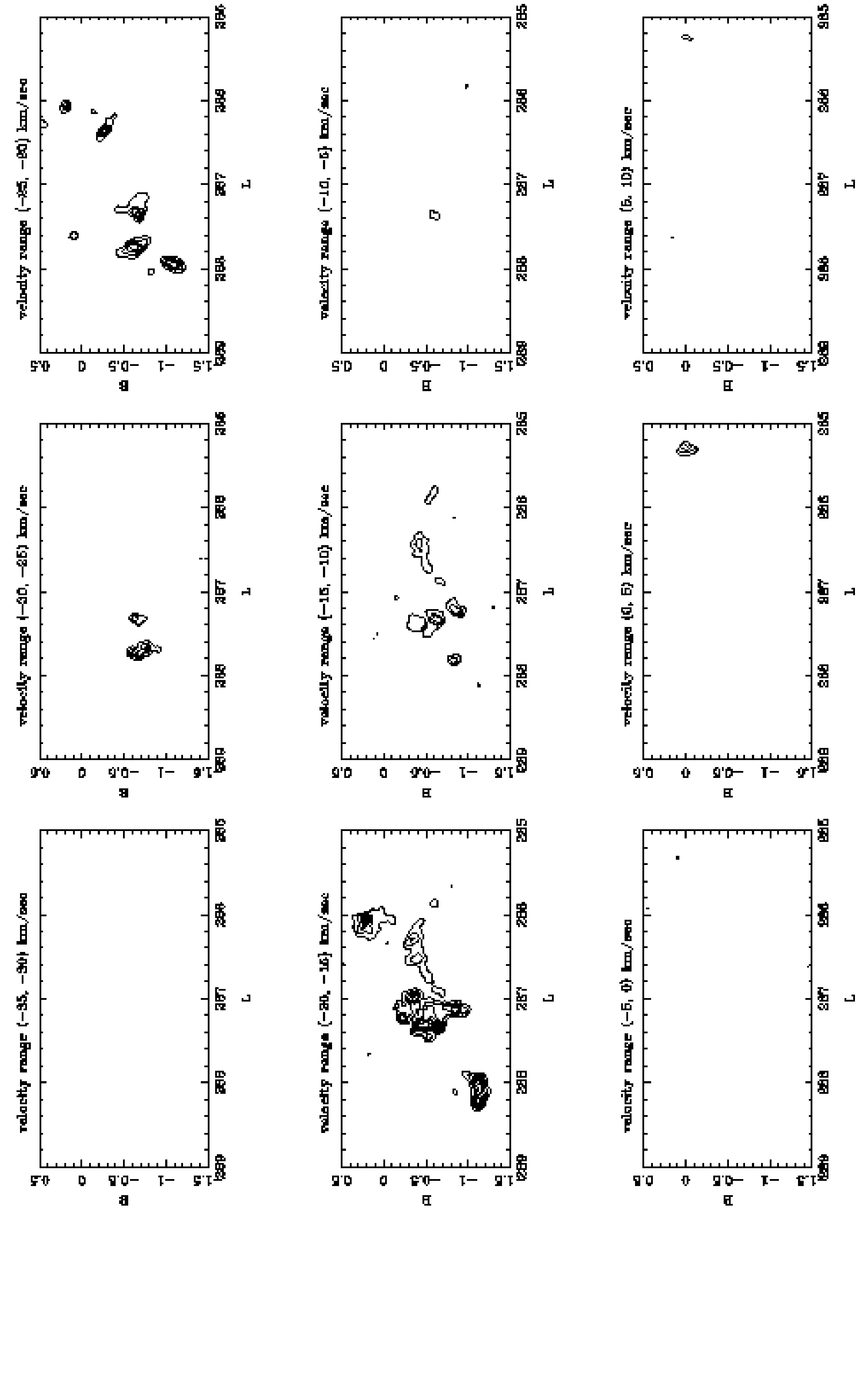


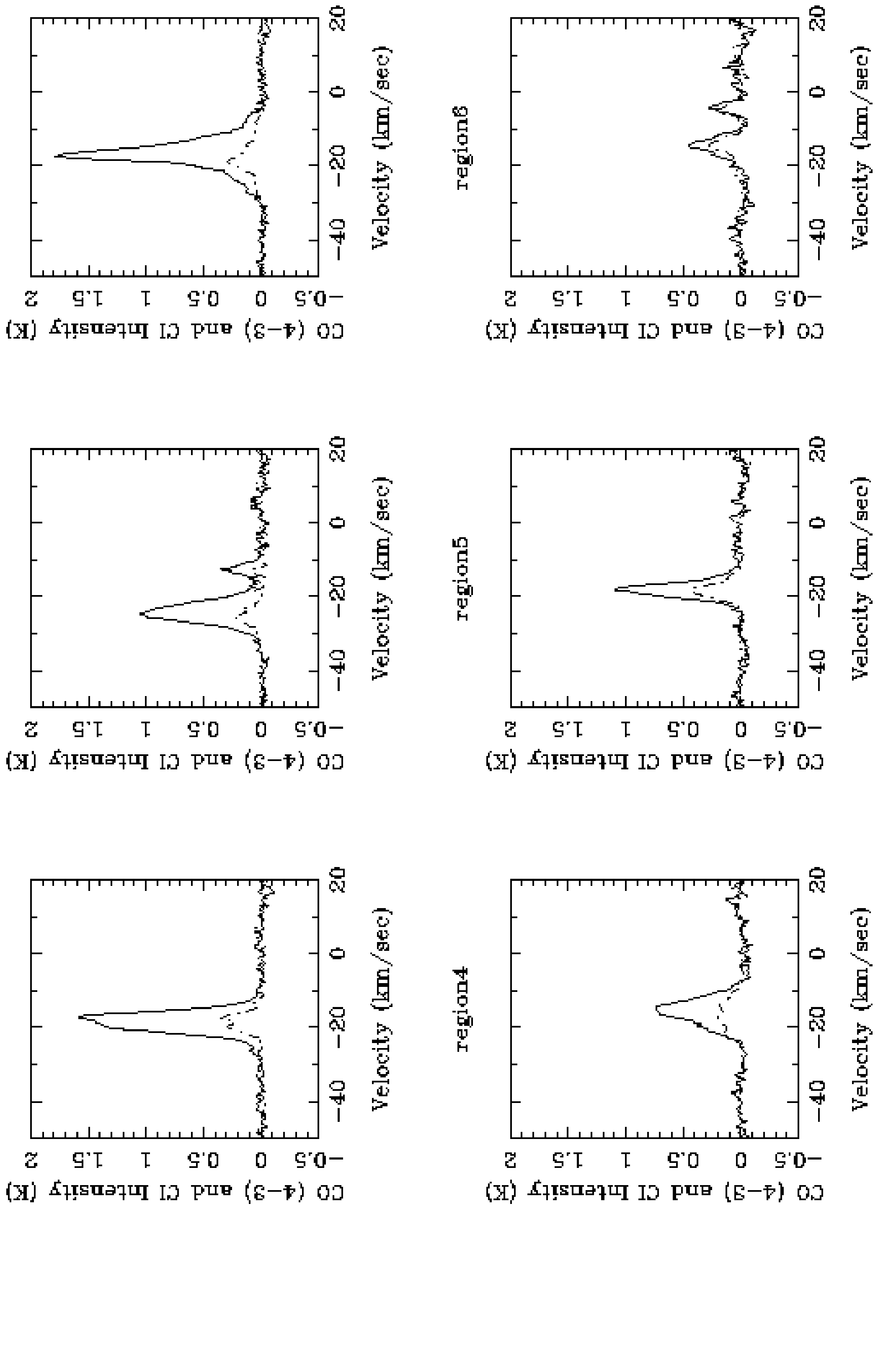
Carina CO 1−0 (color) and CO 4−3 (contour)
L
B
289
288
287
286
285
0.5
0
−0.5
−1
−1.5
60
40
20
0

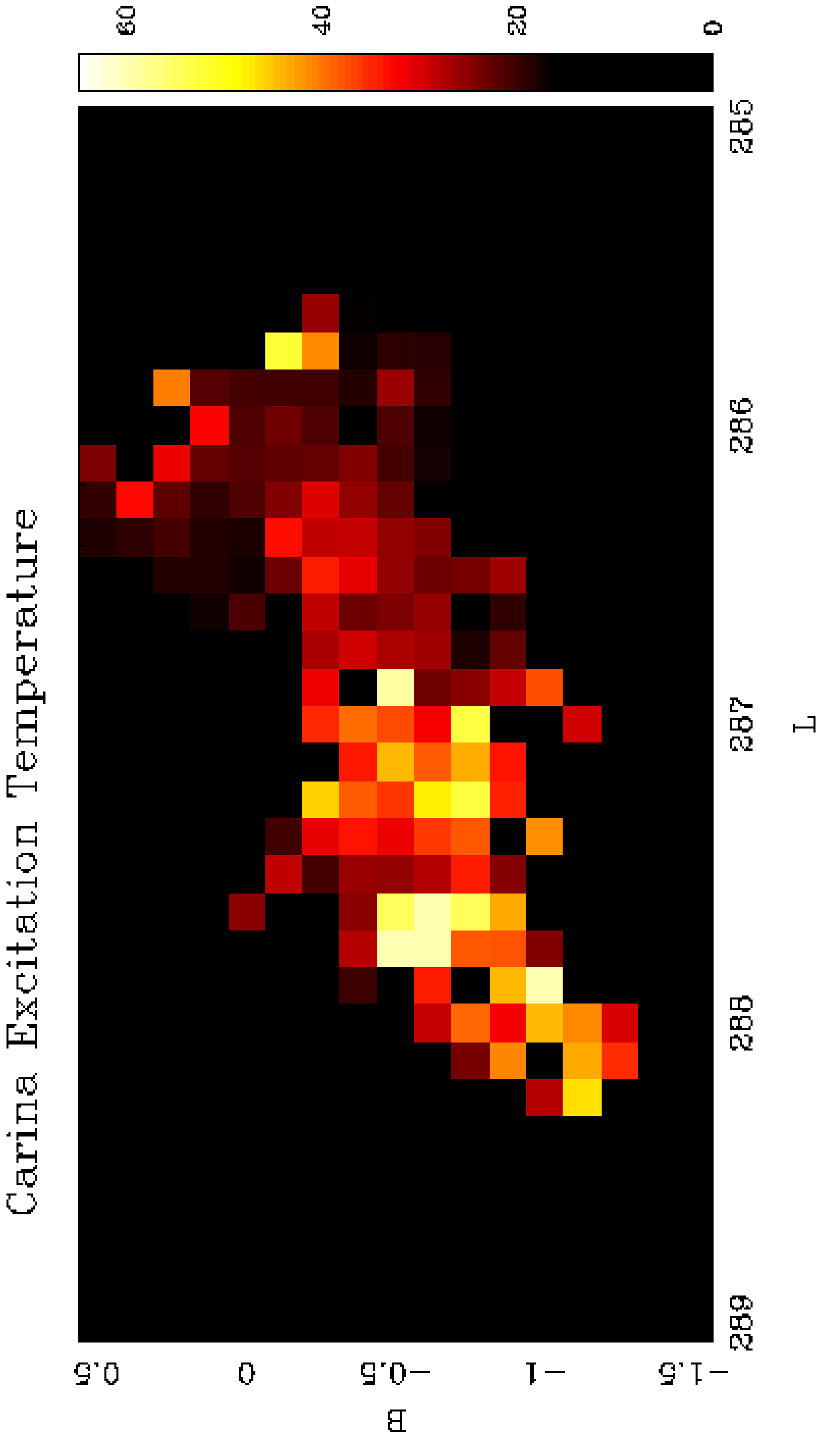


Carina CO 1−0 (color) and CO 4−3 (contour)
20
15
10
5
0
285
286
287
288
289
L
0.5
0
−0.5
−1
−1.5
B

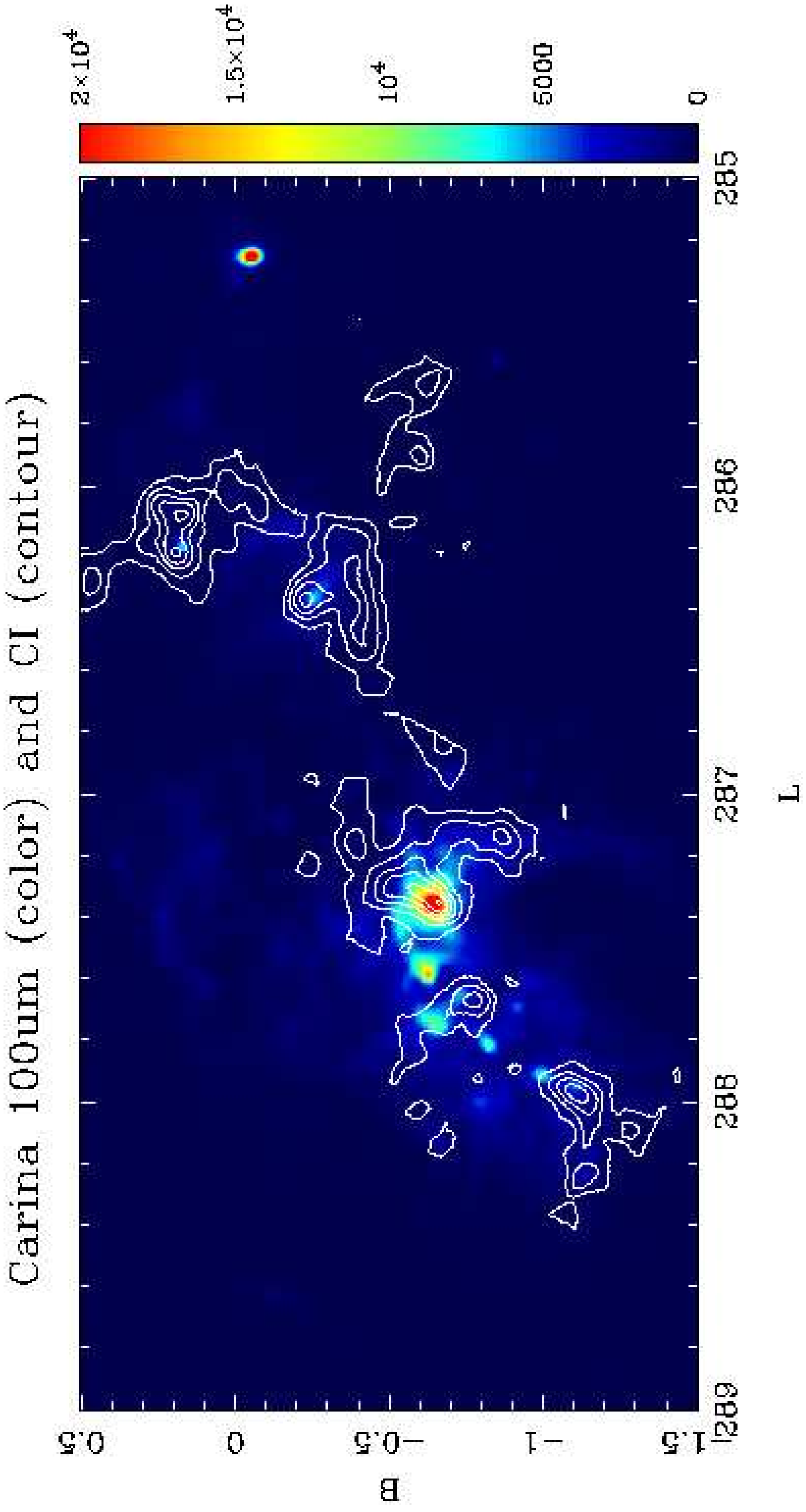

velocity range (−35, −30) km/sec
velocity range (−30, −25) km/sec
velocity range (−25, −20) km/sec
velocity range (−20, −15) km/sec
velocity range (−15, −10) km/sec
velocity range (−10, −5) km/sec
velocity range (−5, 0) km/sec
velocity range (0, 5) km/sec
velocity range (5, 10) km/sec
B
L


velocity range (−35, −30) km/sec
velocity range (−30, −25) km/sec
velocity range (−25, −20) km/sec
velocity range (−20, −15) km/sec
velocity range (−15, −10) km/sec
velocity range (−10, −5) km/sec
velocity range (−5, 0) km/sec
velocity range (0, 5) km/sec
velocity range (5, 10) km/sec
L
B

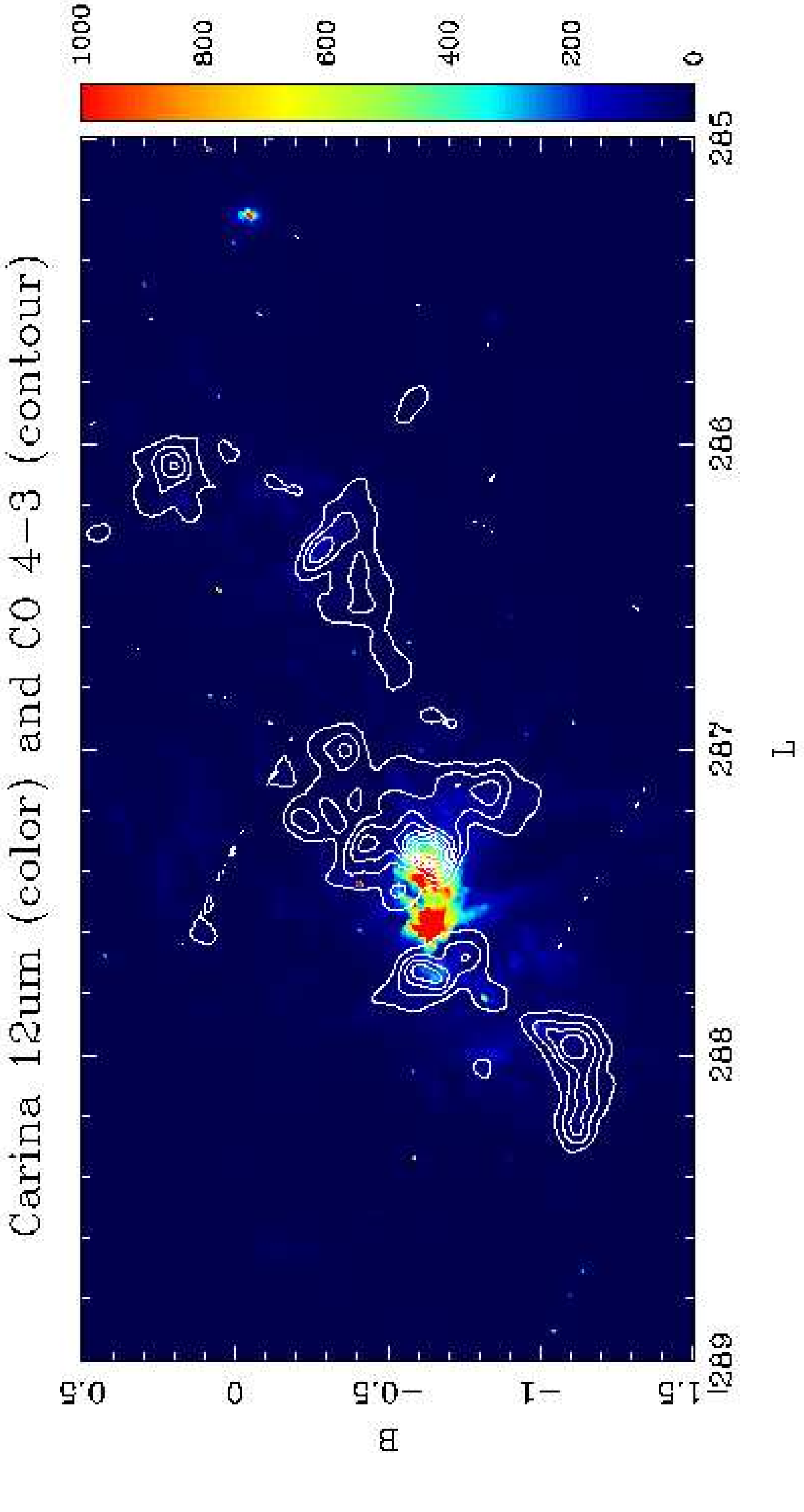

region1
region2
region3
region4
region5
region6
Velocity (km/sec)
CO (4−3) and CI Intensity (K)

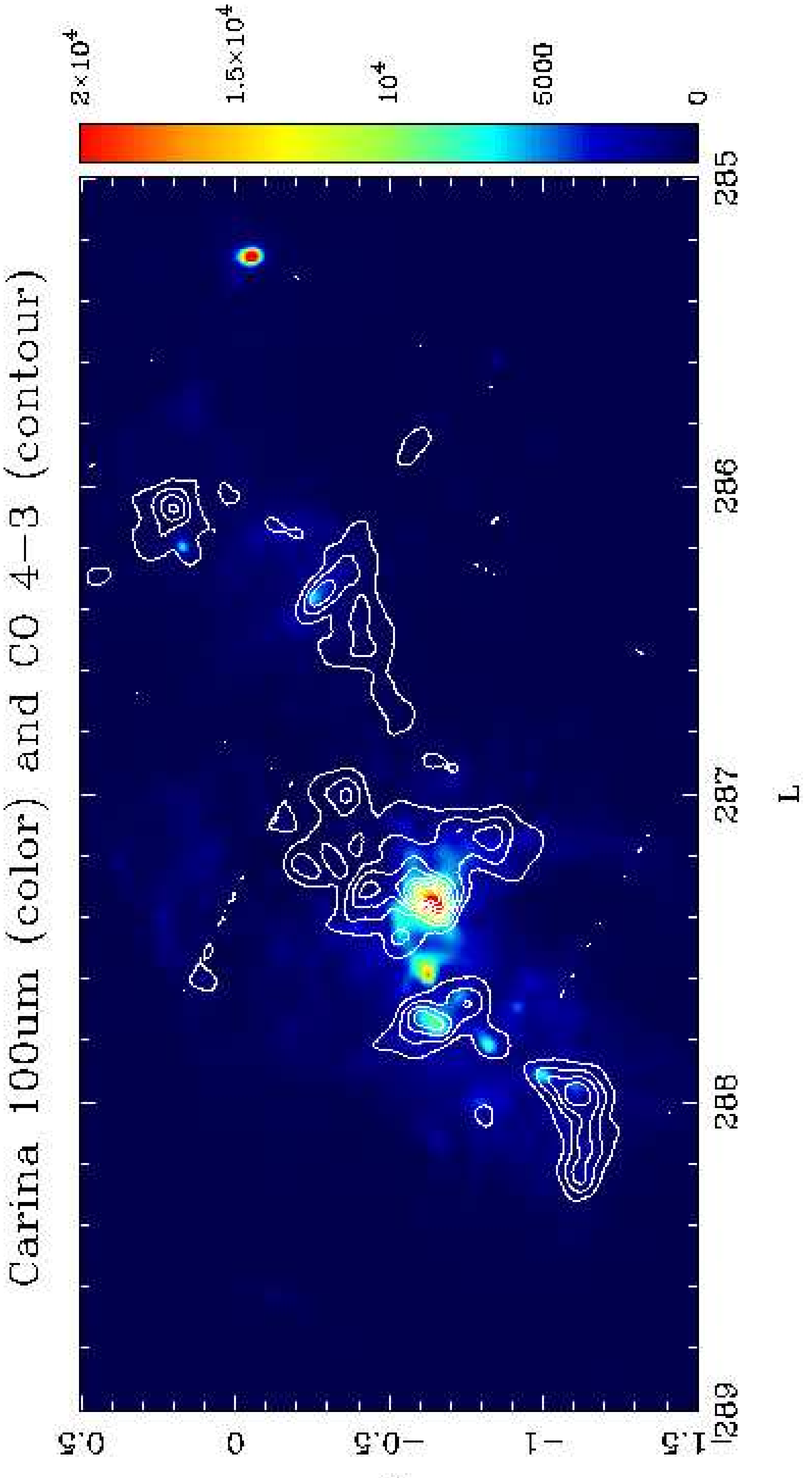


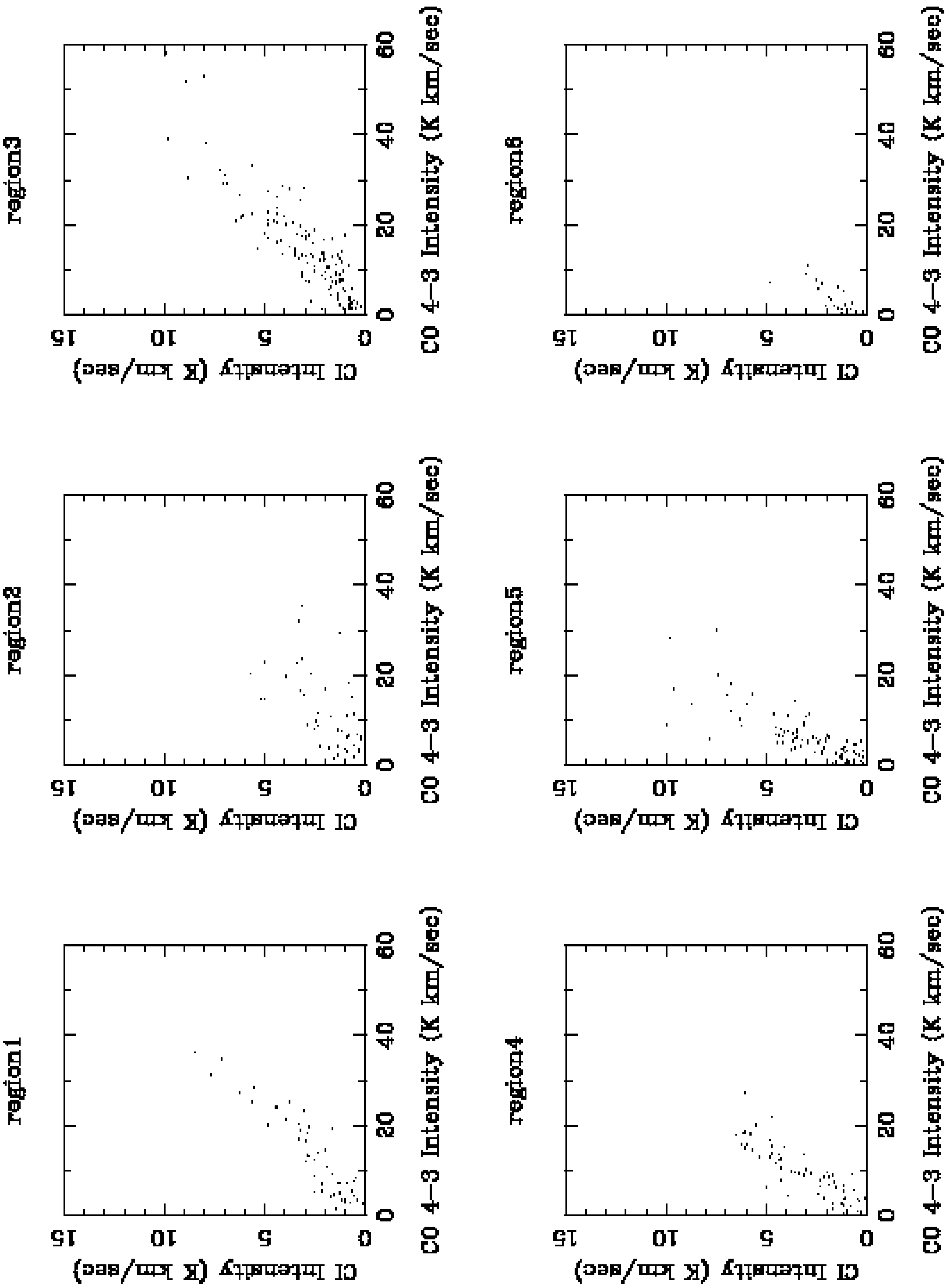
Carina Excitation Temperature
60
40
20
0
285
286
287
288
289
L
0.5
0
−0.5
−1
−1.5
B

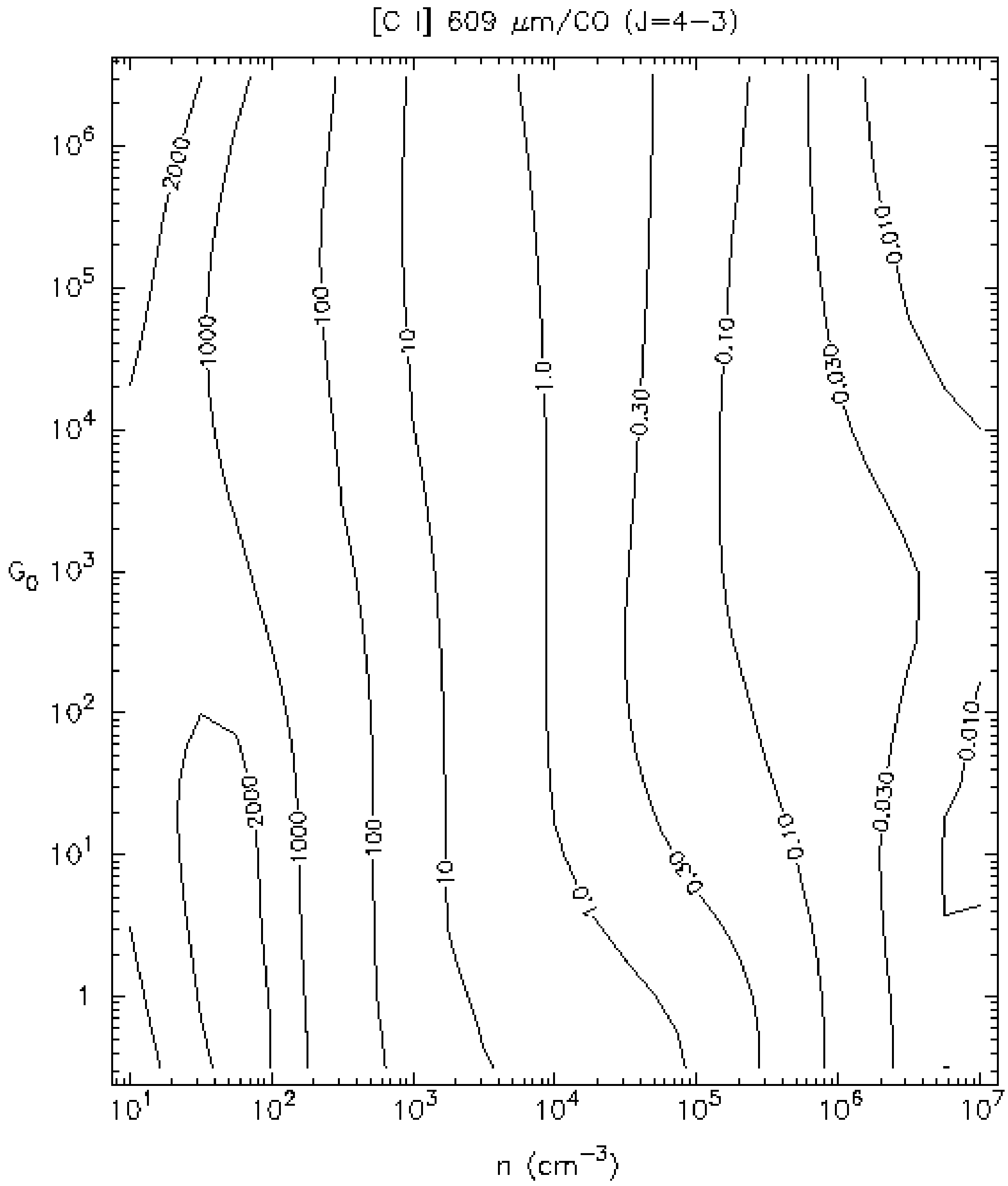


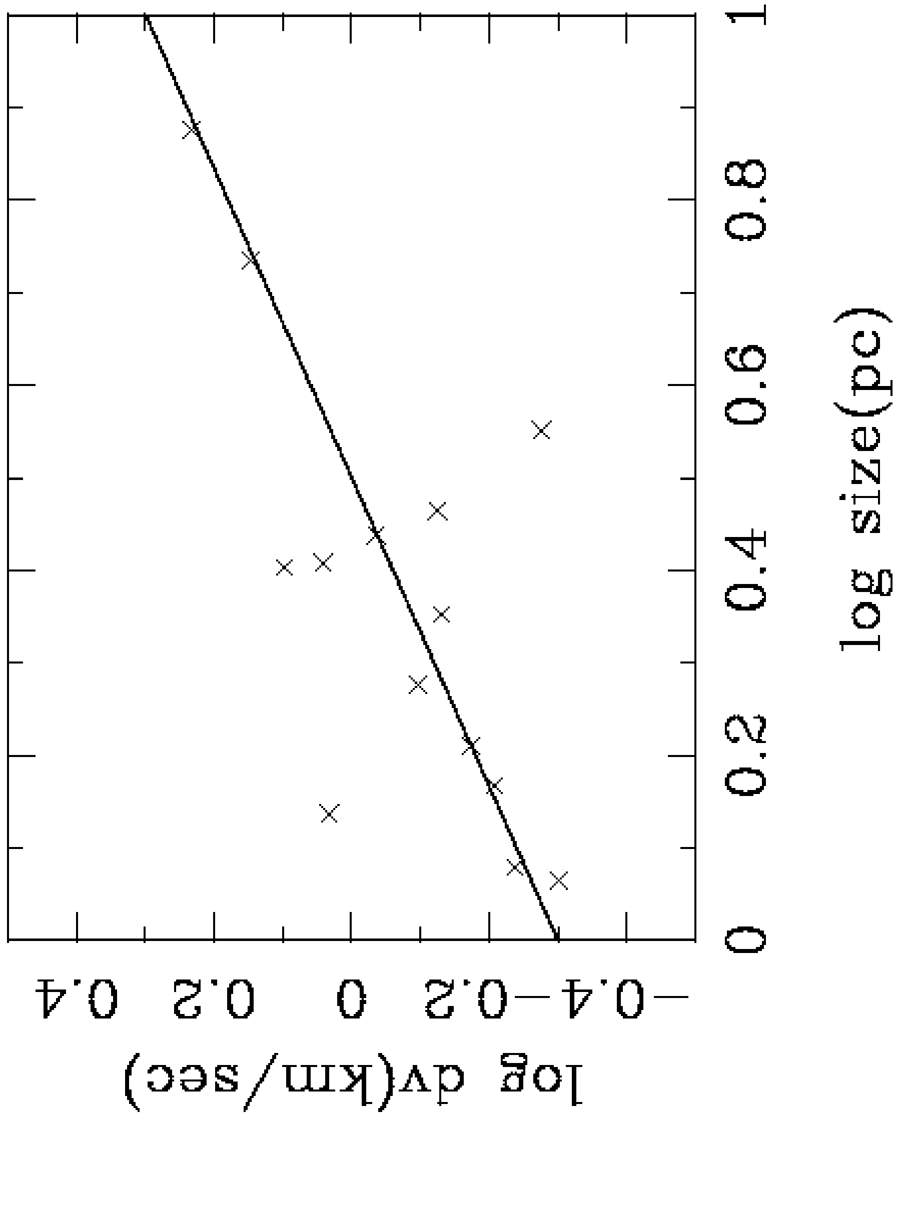
Carina 100um (color) and CI (contour)
L
B
285
286
287
288
289
0.5
0
−0.5
−1
−1.5
0
5000
10^4
1.5×10^4
2×10^4


Carina 12um (color) and CO 4−3 (contour)
1000
800
600
400
200
0
285
286
287
288
289
L
0.5
0
−0.5
−1
−1.5
B


Carina 100um (color) and CO 4−3 (contour)
2×10^4
1.5×10^4
10^4
5000
0
289
288
287
286
285
L
0.5
0
−0.5
−1
−1.5
B


region1
region2
region3
region4
region5
region6
CI Intensity (K km/sec)
CO 4–3 Intensity (K km/sec)
0
5
10
15
20
40
60


[C I] 609 μm/CO (J=4−3)
G0
n (cm−3)
2000
1000
100
10
1.0
0.30
0.10
0.030
0.010
10^6
10^5
10^4
10^3
10^2
10^1
1
10^7


log size(pc)
0
0.2
0.4
0.6
0.8
1
log dv(km/sec)
−0.4
−0.2
0
0.2
0.4