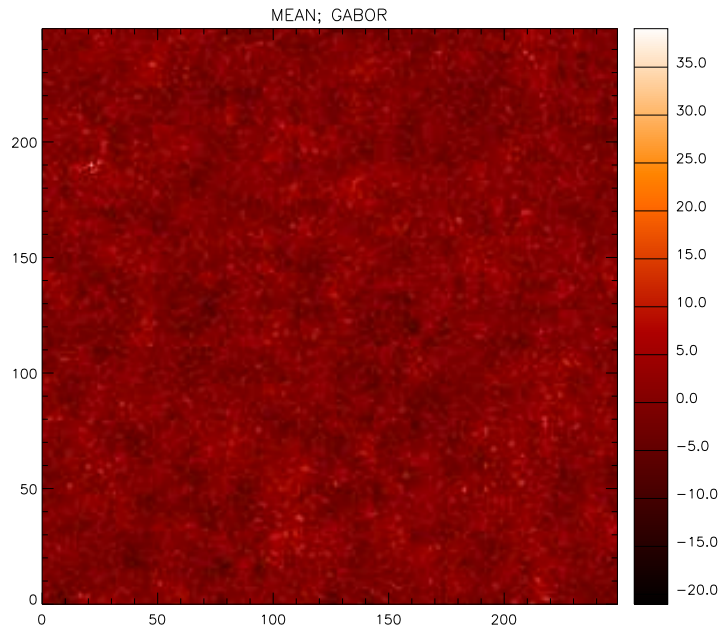
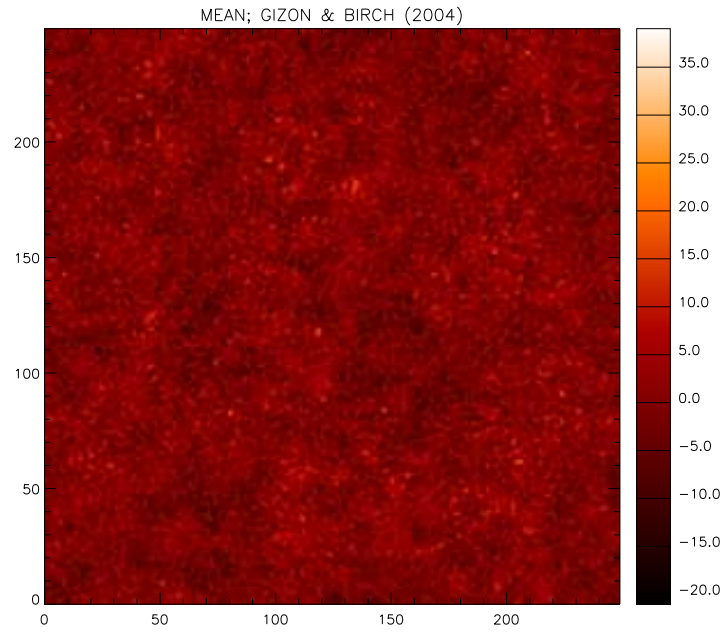
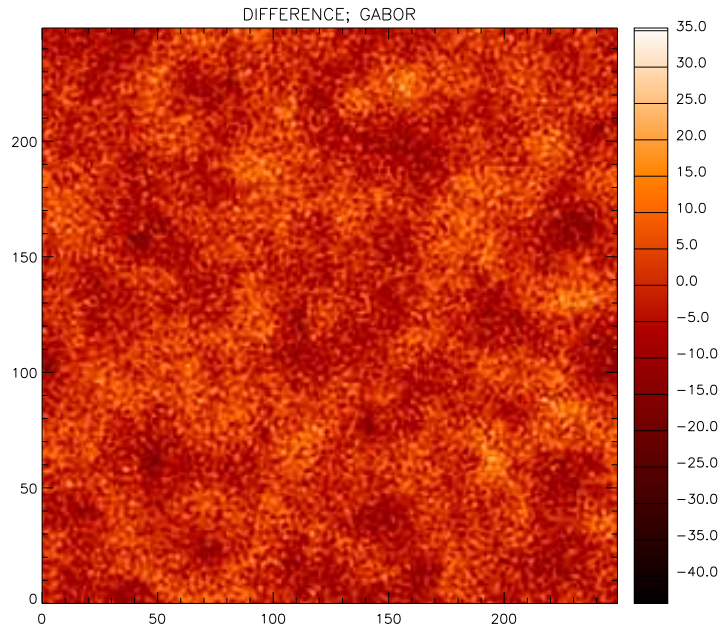
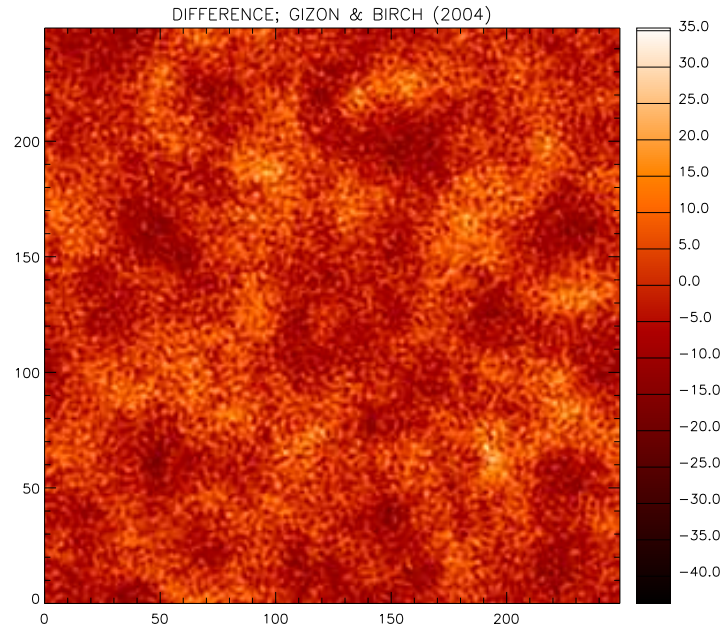
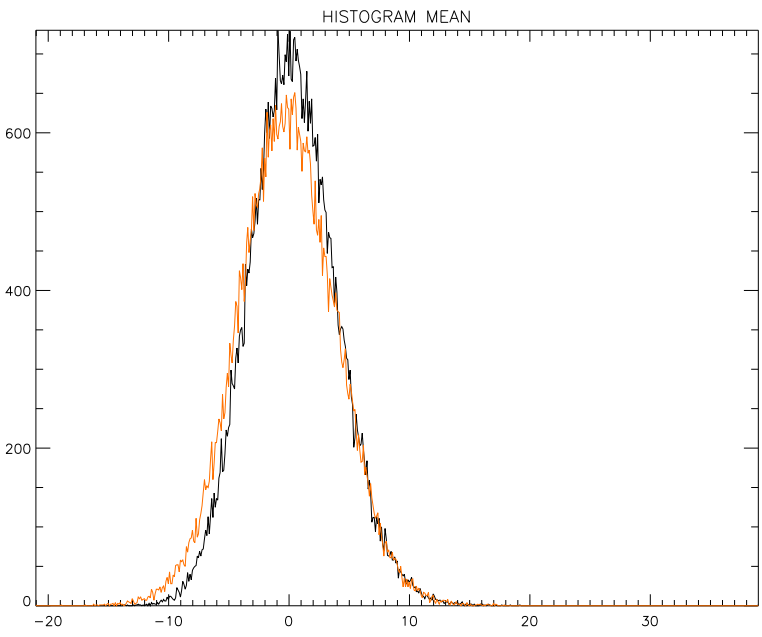
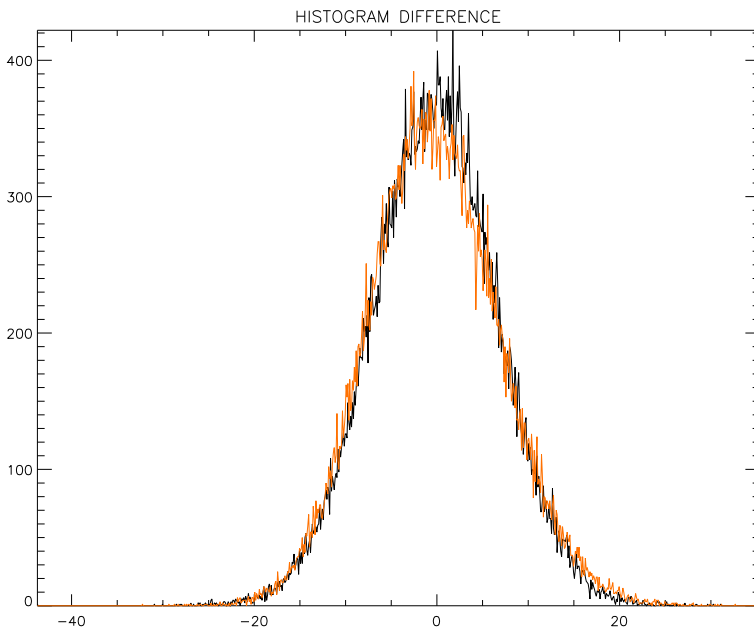

MEAN; GABOR
0
50
100
150
200
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
−5.0
−10.0
−15.0
−20.0

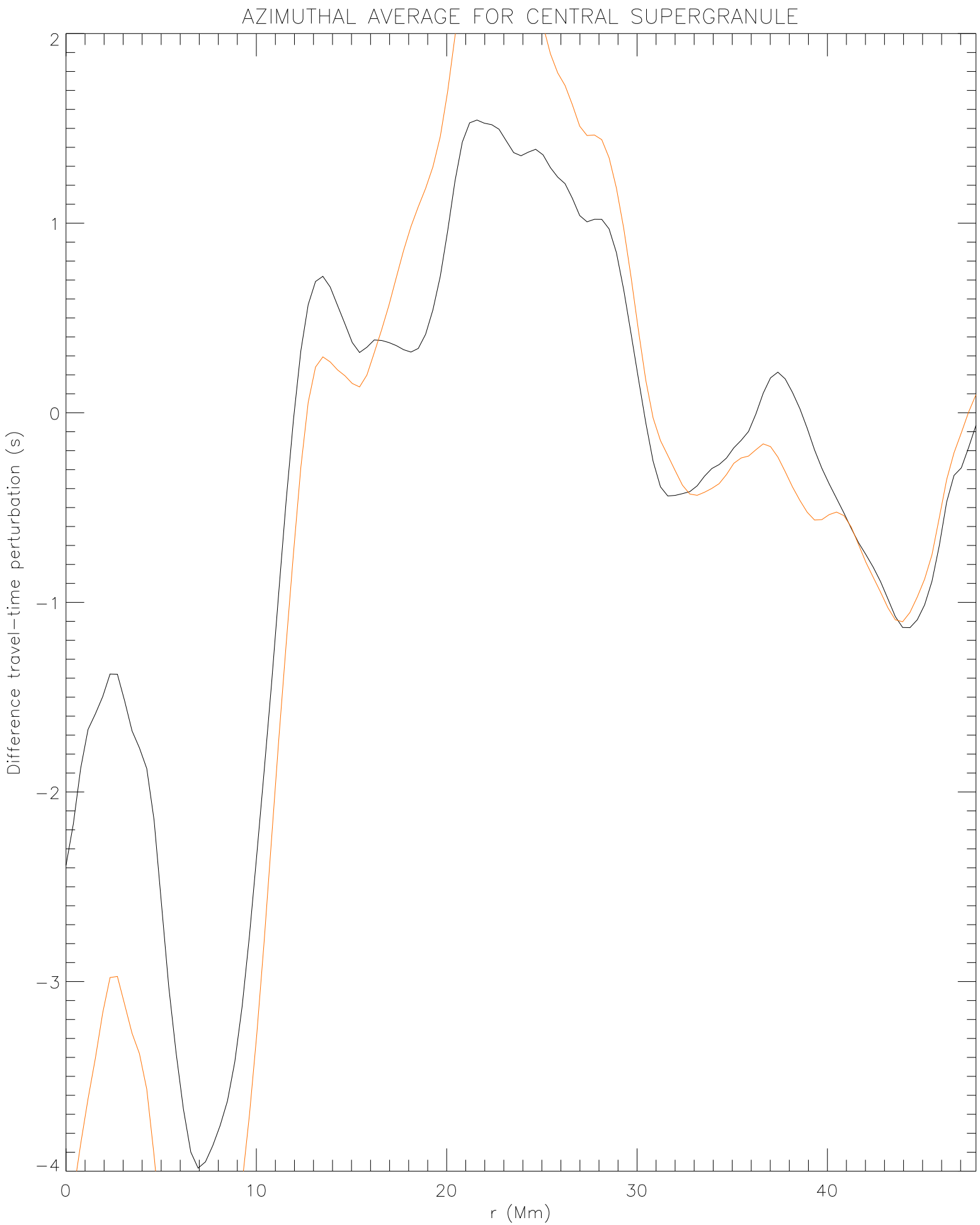

MEAN; GIZON & BIRCH (2004)
0
50
100
150
200
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
−5.0
−10.0
−15.0
−20.0

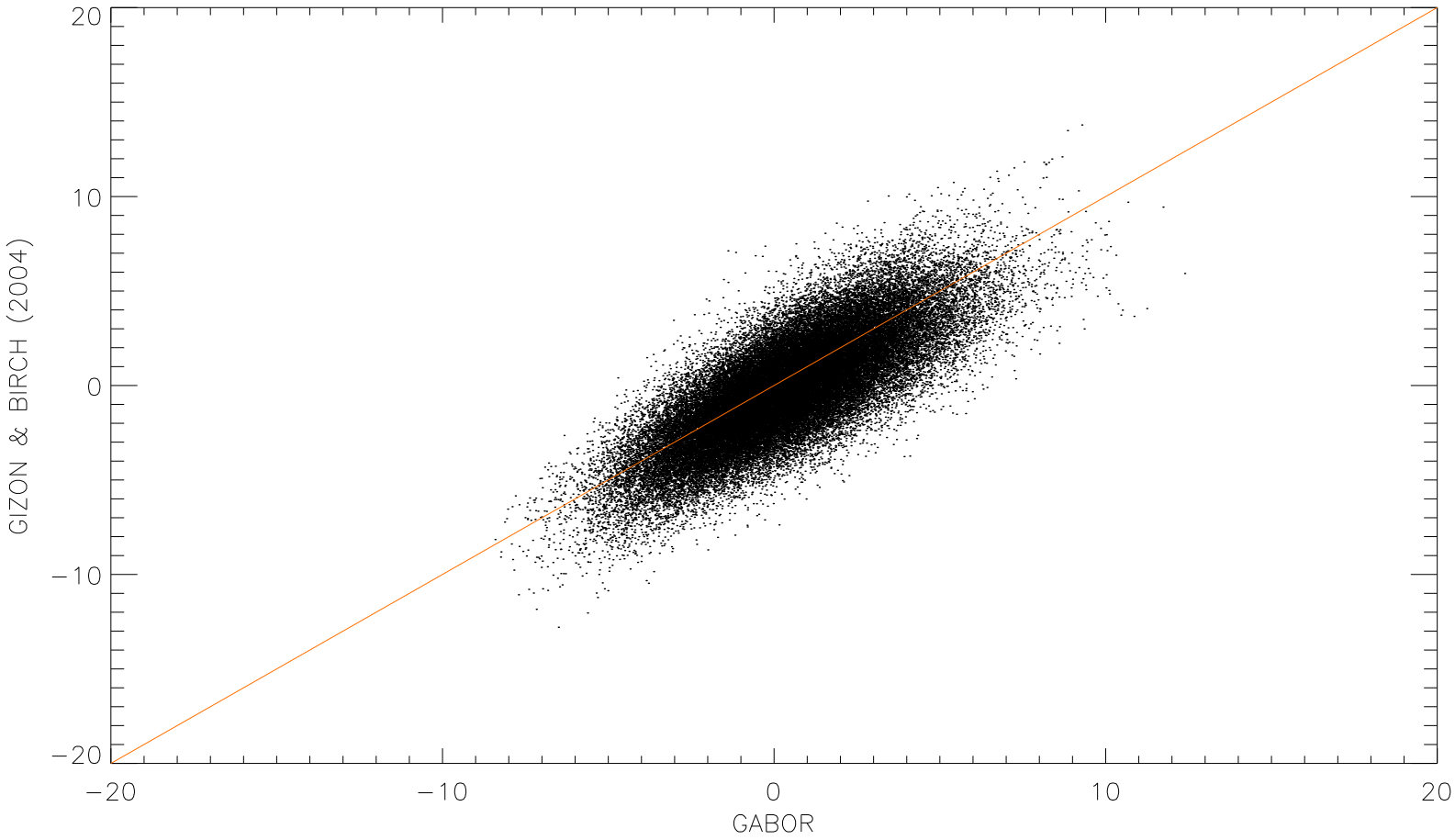

DIFFERENCE; GABOR
0
50
100
150
200
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
−5.0
−10.0
−15.0
−20.0
−25.0
−30.0
−35.0
−40.0

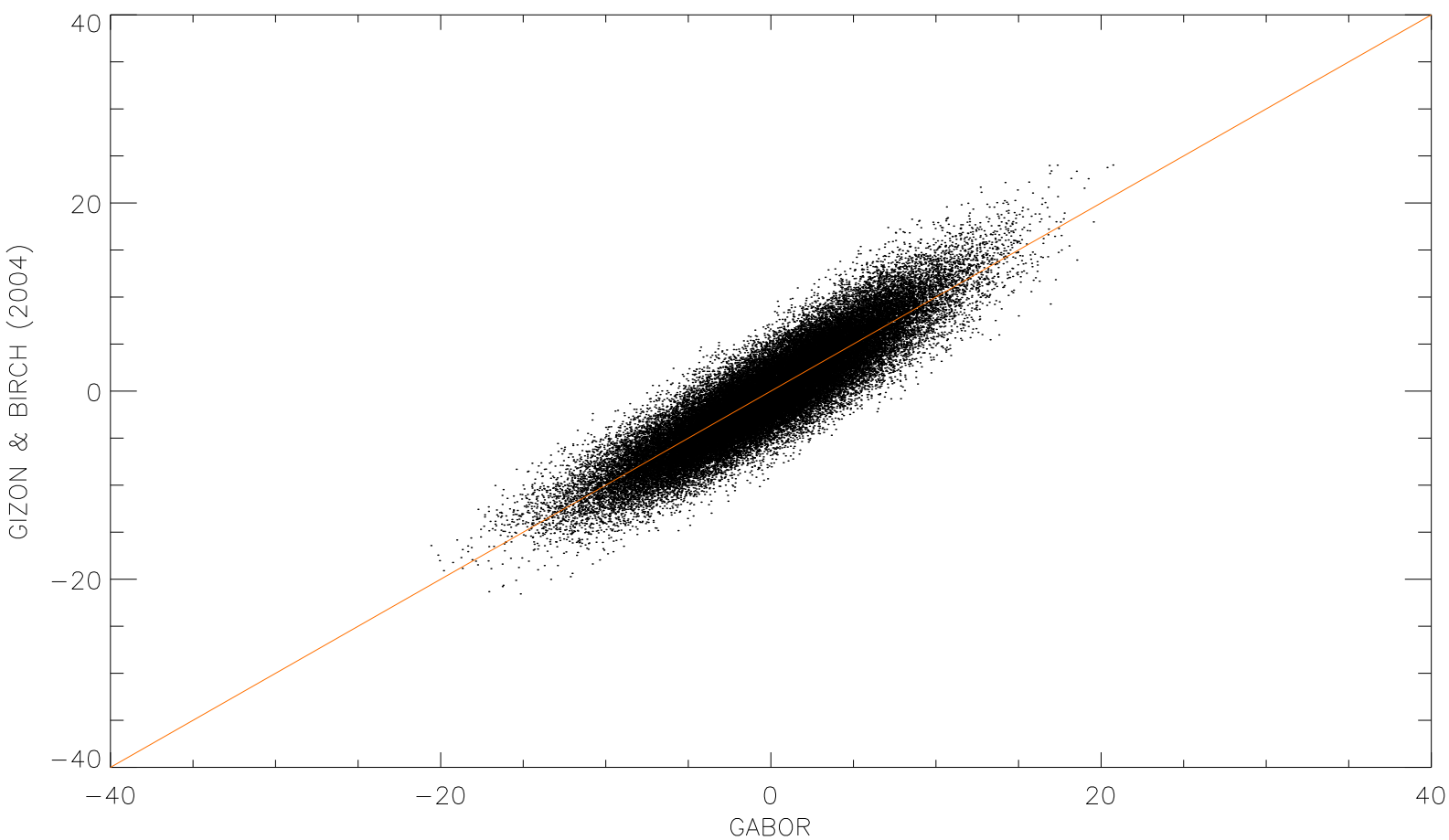

DIFFERENCE; GIZON & BIRCH (2004)
0
50
100
150
200
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
−5.0
−10.0
−15.0
−20.0
−25.0
−30.0
−35.0
−40.0

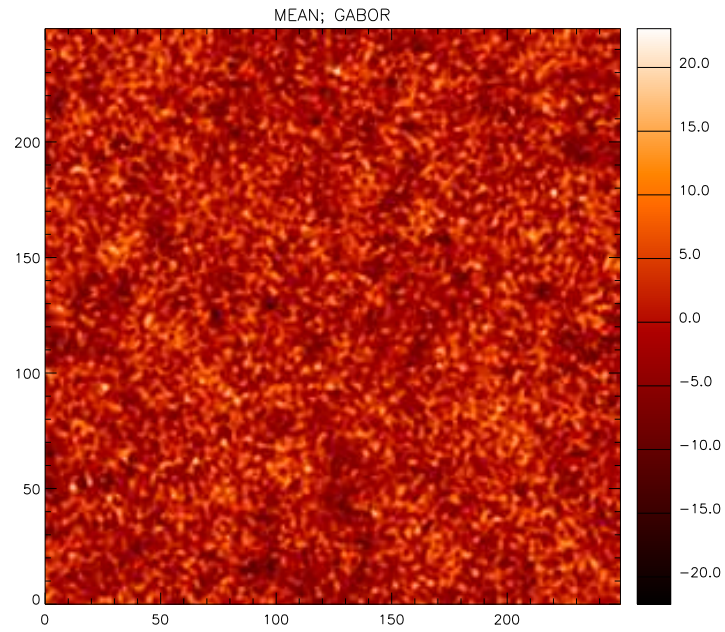

HISTOGRAM MEAN
0
200
400
600
−20
−10
0
10
20
30

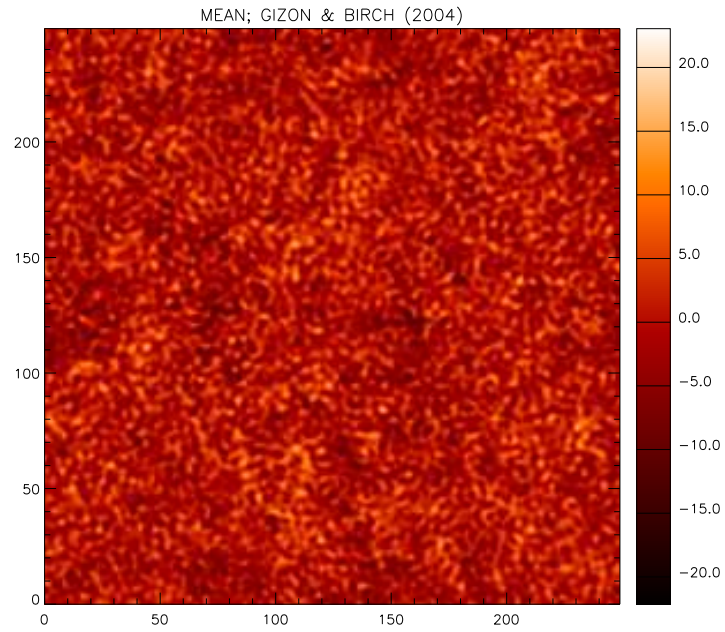

HISTOGRAM DIFFERENCE
0
100
200
300
400
−40
−20
0
20

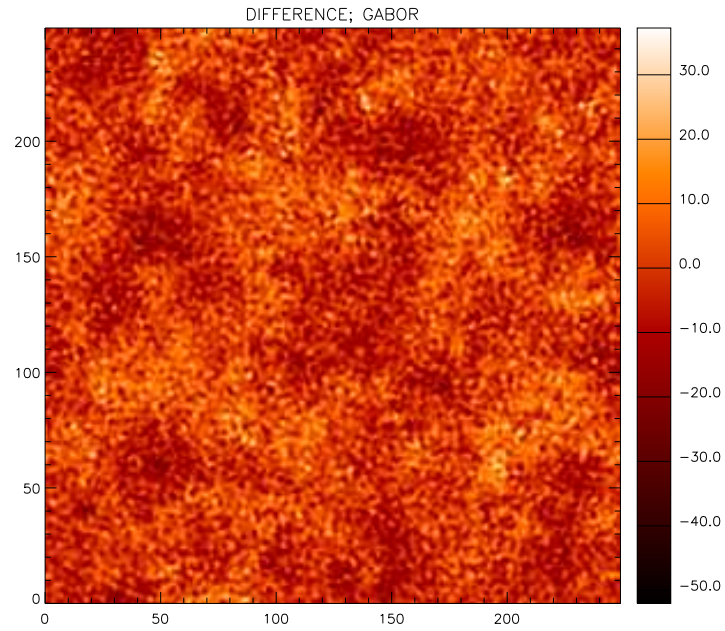

AZIMUTHAL AVERAGE FOR CENTRAL SUPERGRANULE
Difference travel−time perturbation (s)
2
1
0
−1
−2
−3
−4
0
10
20
30
40
r (Mm)

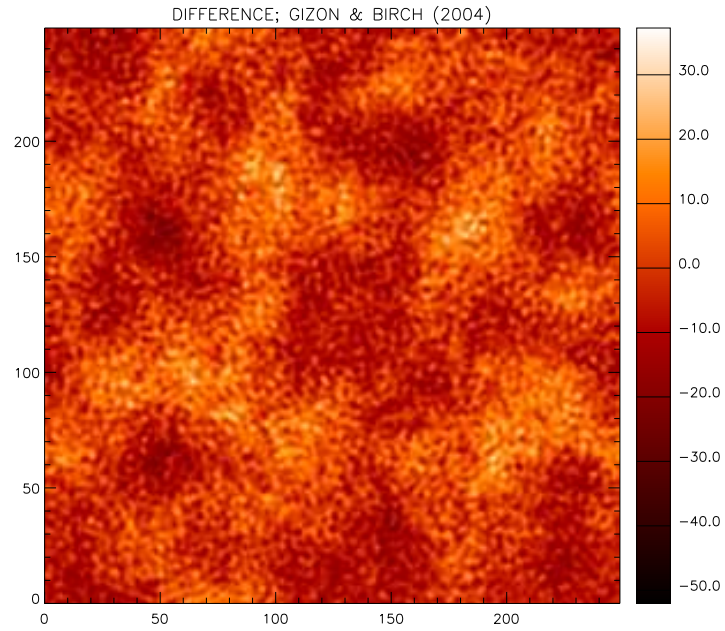

20
10
0
−10
−20
GIZON & BIRCH (2004)
−20
−10
0
10
20
GABOR

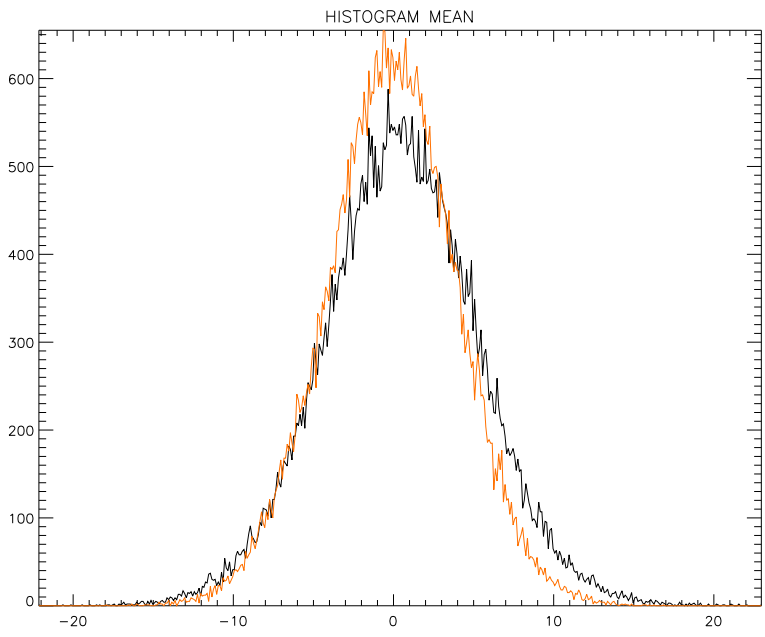

40
20
0
−20
−40
GIZON & BIRCH (2004)
−40
−20
0
20
40
GABOR

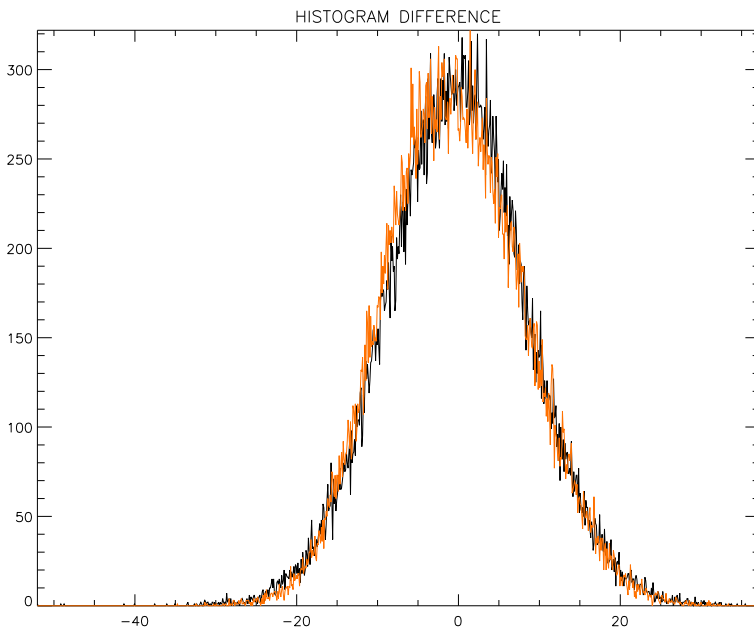

MEAN; GABOR
0
50
100
150
200
20.0
15.0
10.0
5.0
0.0
−5.0
−10.0
−15.0
−20.0

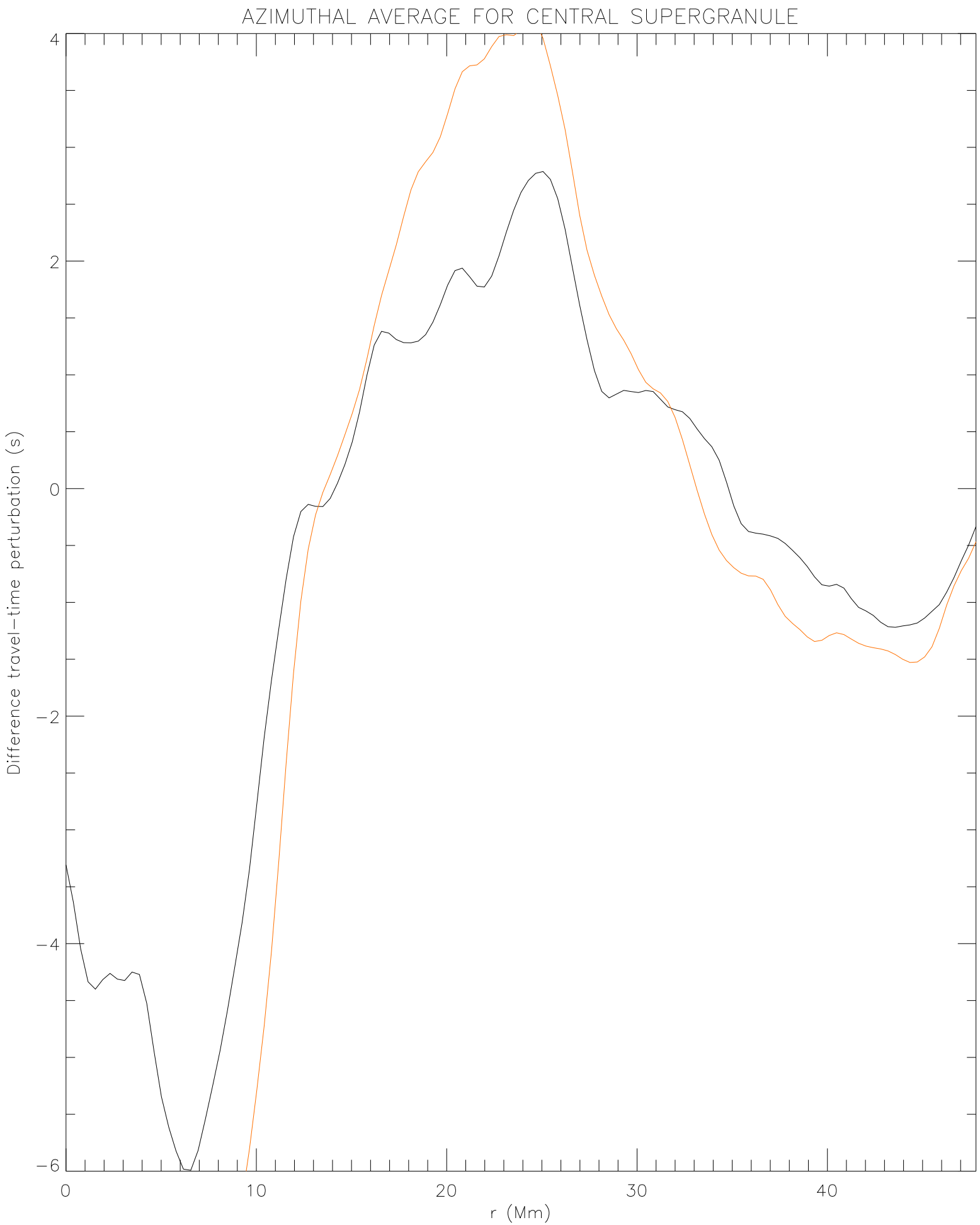

MEAN; GIZON & BIRCH (2004)
0
50
100
150
200
20.0
15.0
10.0
5.0
0.0
−5.0
−10.0
−15.0
−20.0

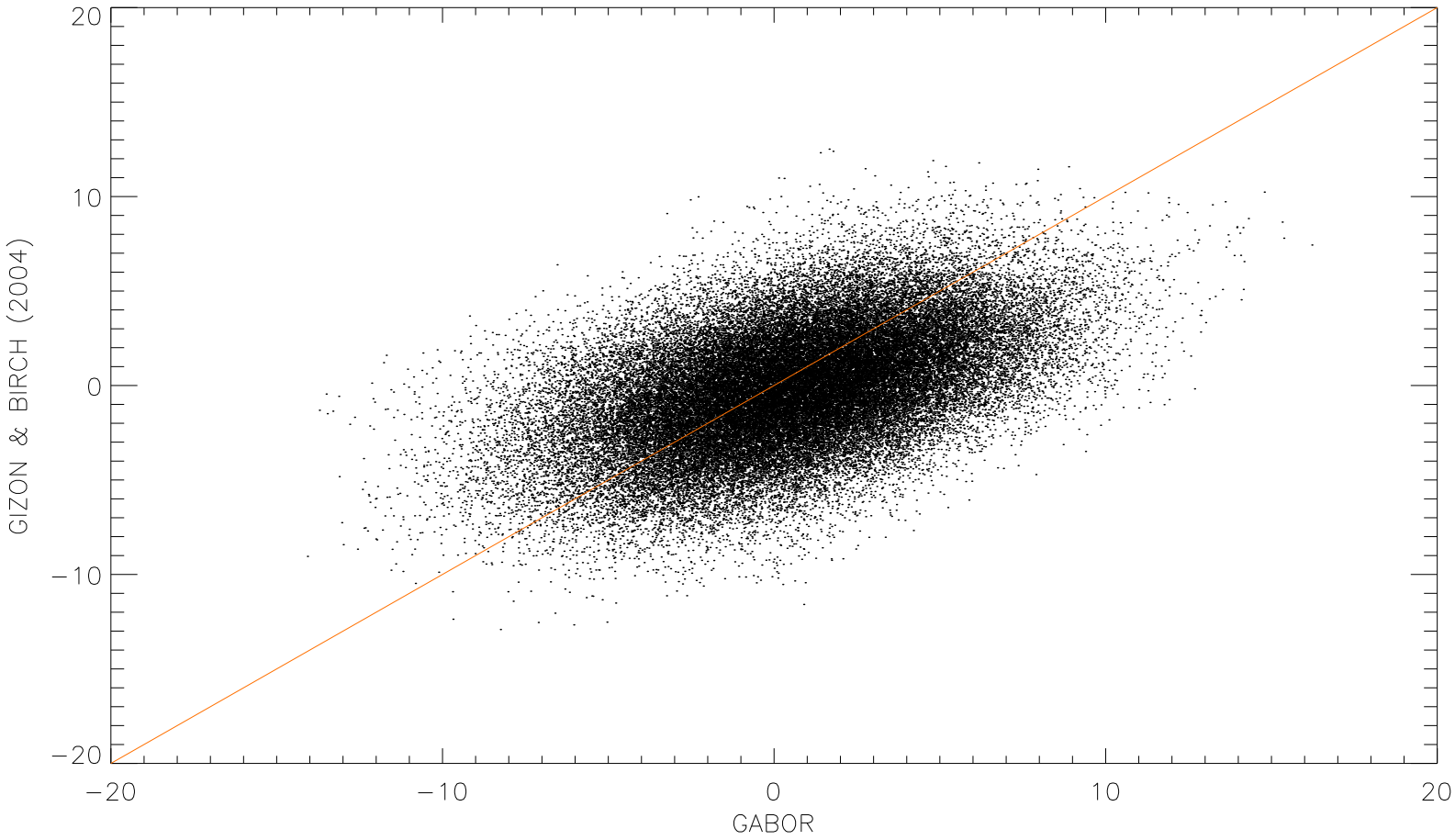

DIFFERENCE; GABOR
0
50
100
150
200
30.0
20.0
10.0
0.0
−10.0
−20.0
−30.0
−40.0
−50.0

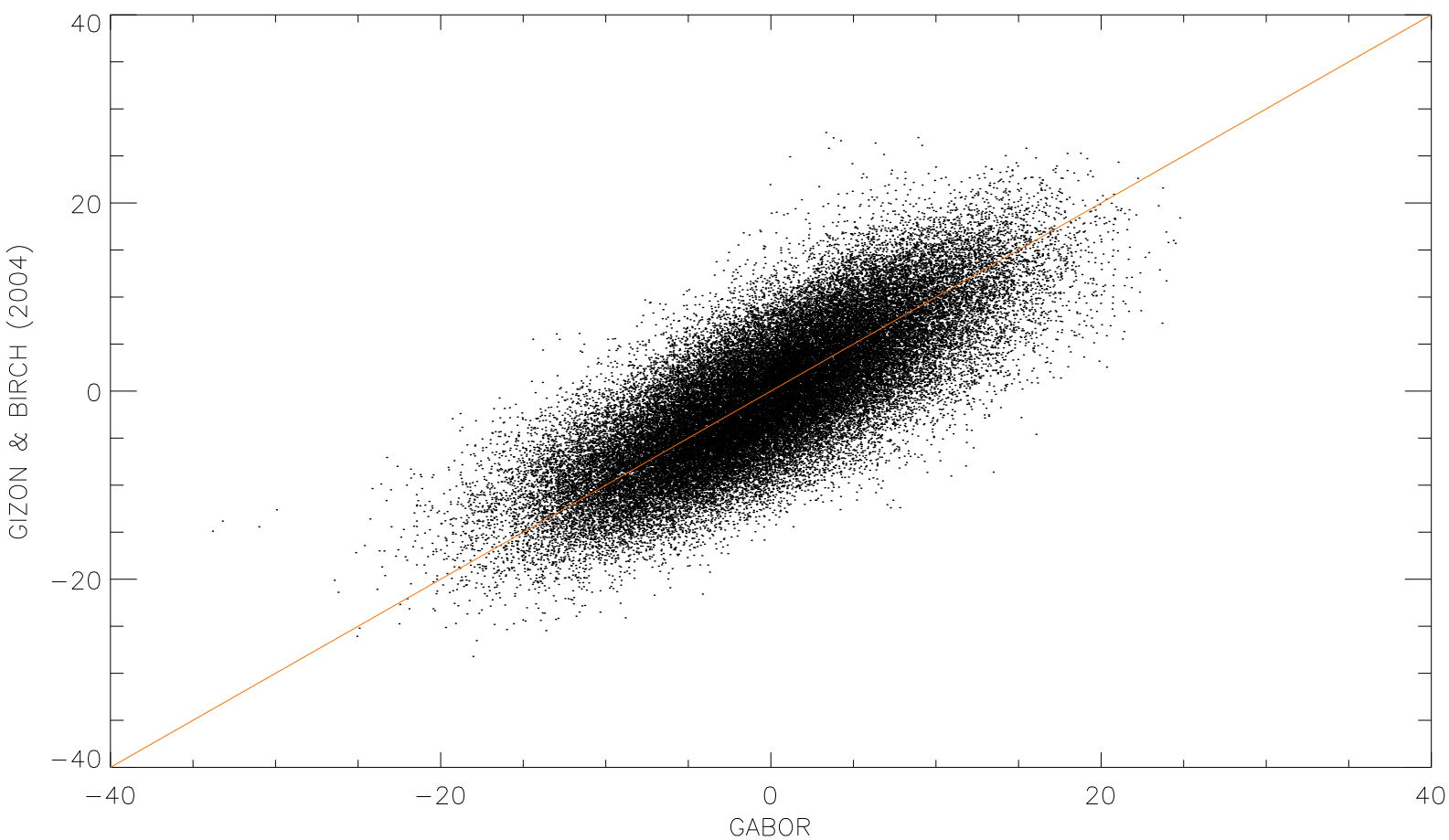

DIFFERENCE; GIZON & BIRCH (2004)
0
50
100
150
200
30.0
20.0
10.0
0.0
−10.0
−20.0
−30.0
−40.0
−50.0

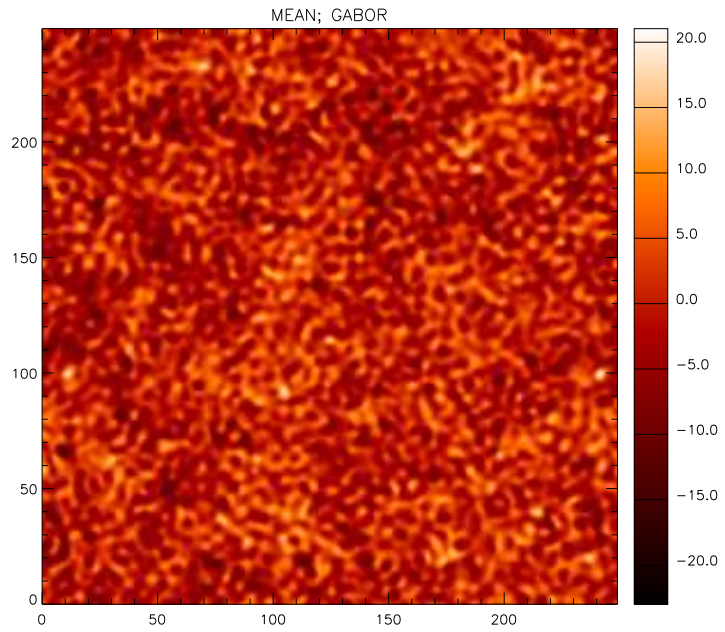

HISTOGRAM MEAN
0
100
200
300
400
500
600
−20
−10
0
10
20

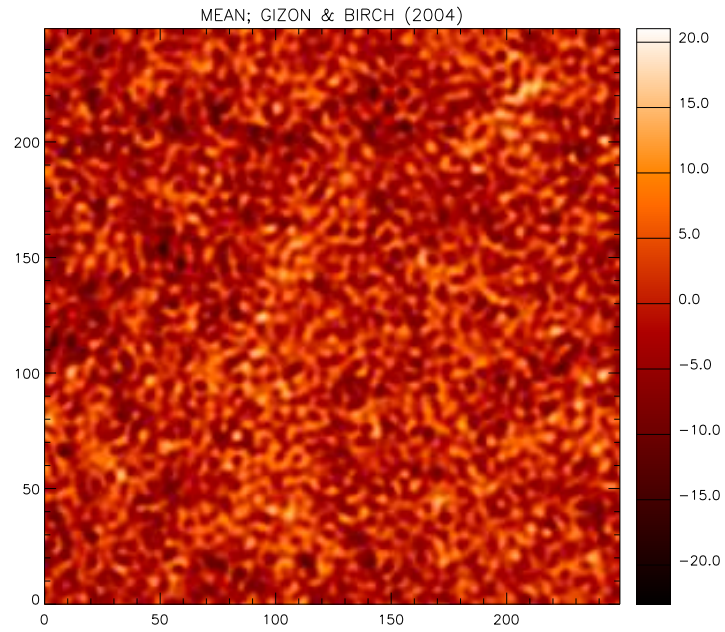

HISTOGRAM DIFFERENCE
0
50
100
150
200
250
300
−40
−20
0
20

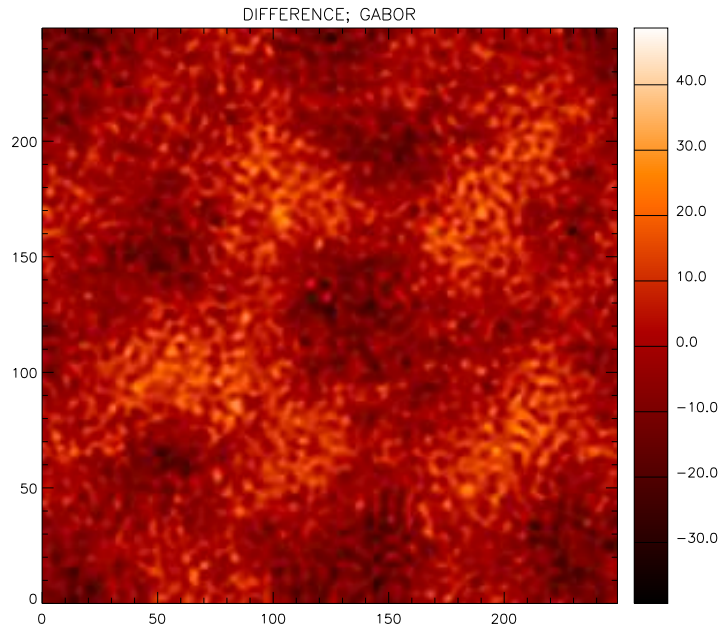

AZIMUTHAL AVERAGE FOR CENTRAL SUPERGRANULE
Difference travel−time perturbation (s)
4
2
0
−2
−4
−6
0
10
20
30
40
r (Mm)

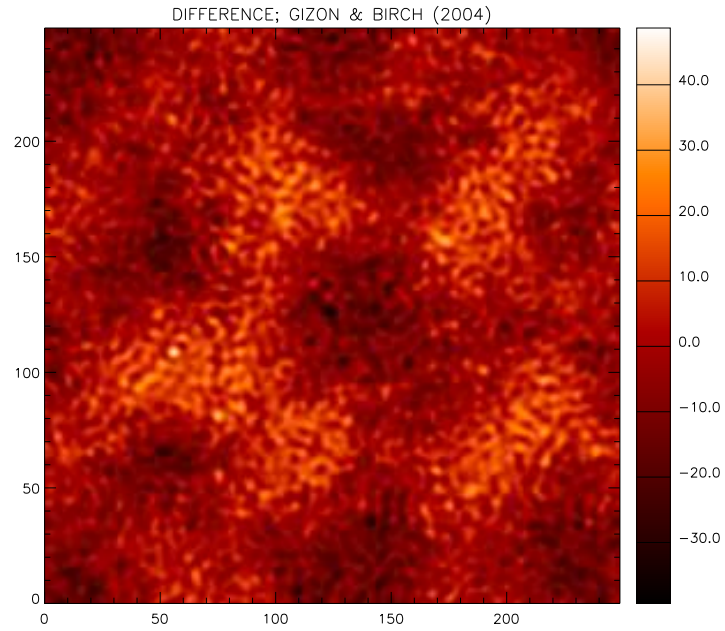

20
10
0
−10
−20
GIZON & BIRCH (2004)
−20
−10
0
10
20
GABOR

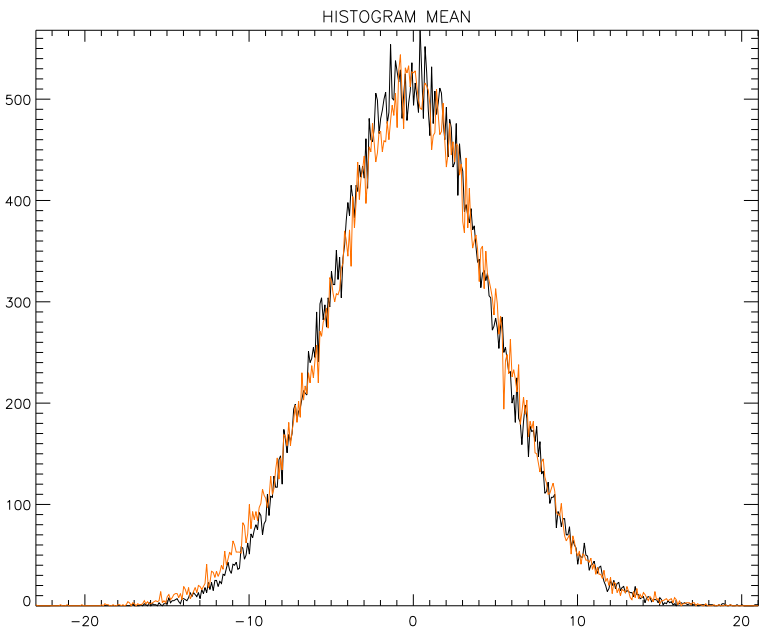

40
20
0
−20
−40
GIZON & BIRCH (2004)
−40
−20
0
20
40
GABOR

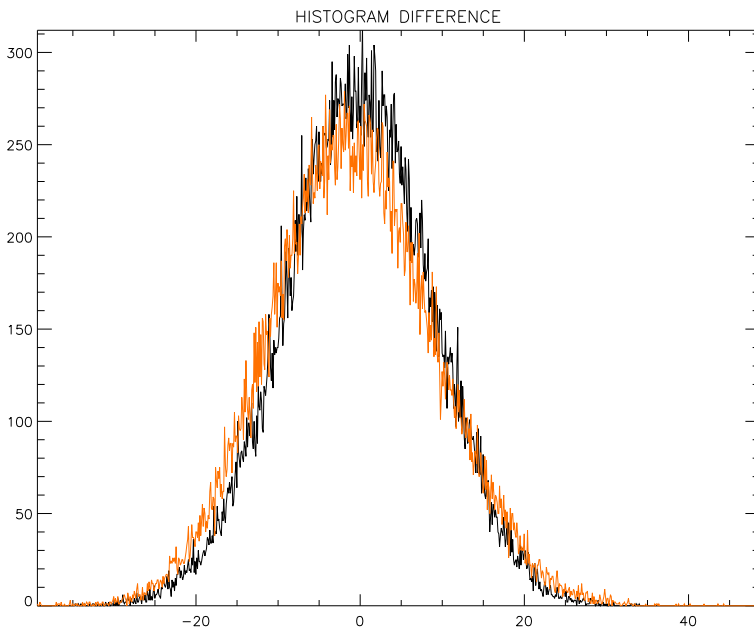

MEAN; GABOR
0
50
100
150
200
20.0
15.0
10.0
5.0
0.0
−5.0
−10.0
−15.0
−20.0

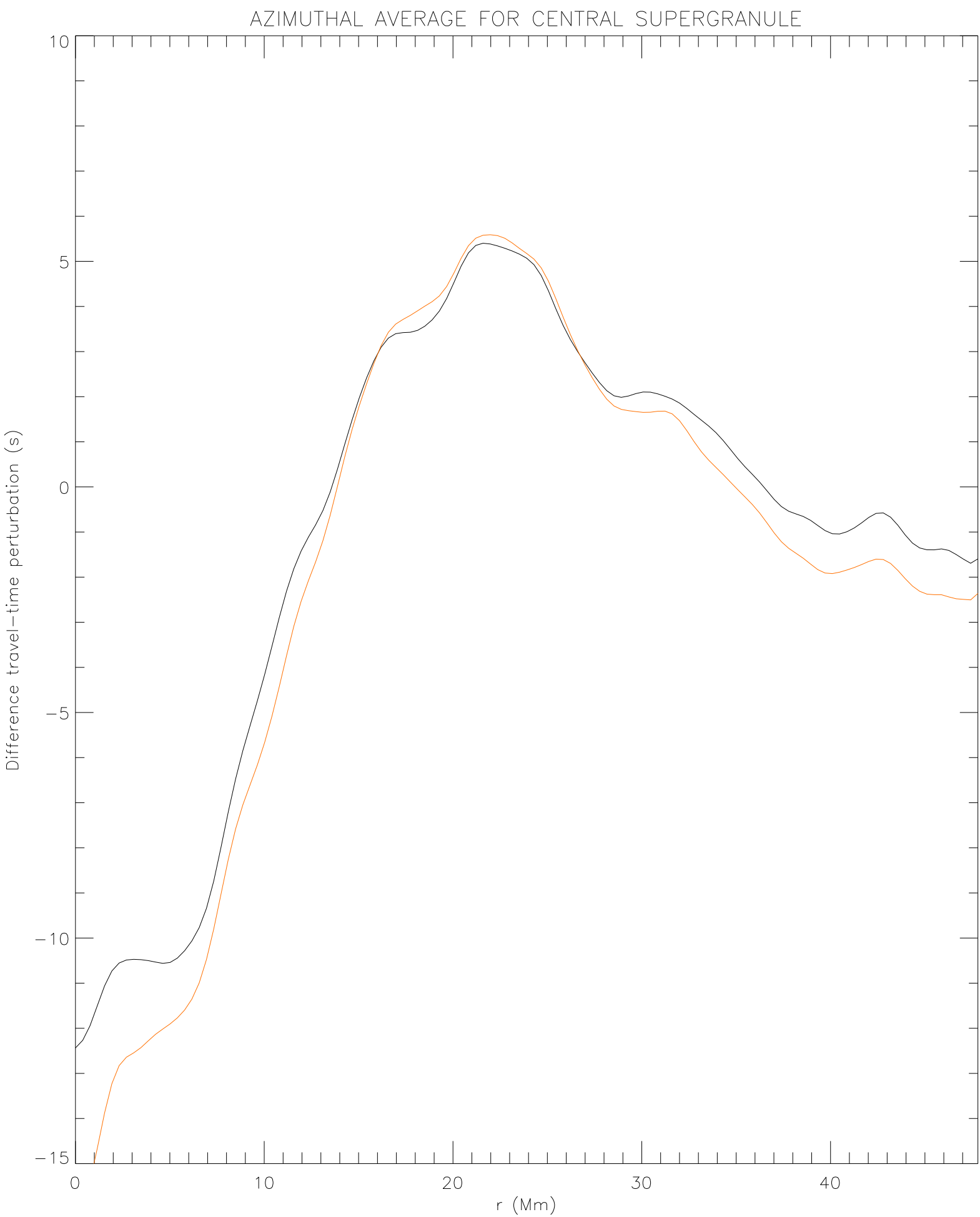

MEAN; GIZON & BIRCH (2004)
0
50
100
150
200
20.0
15.0
10.0
5.0
0.0
−5.0
−10.0
−15.0
−20.0

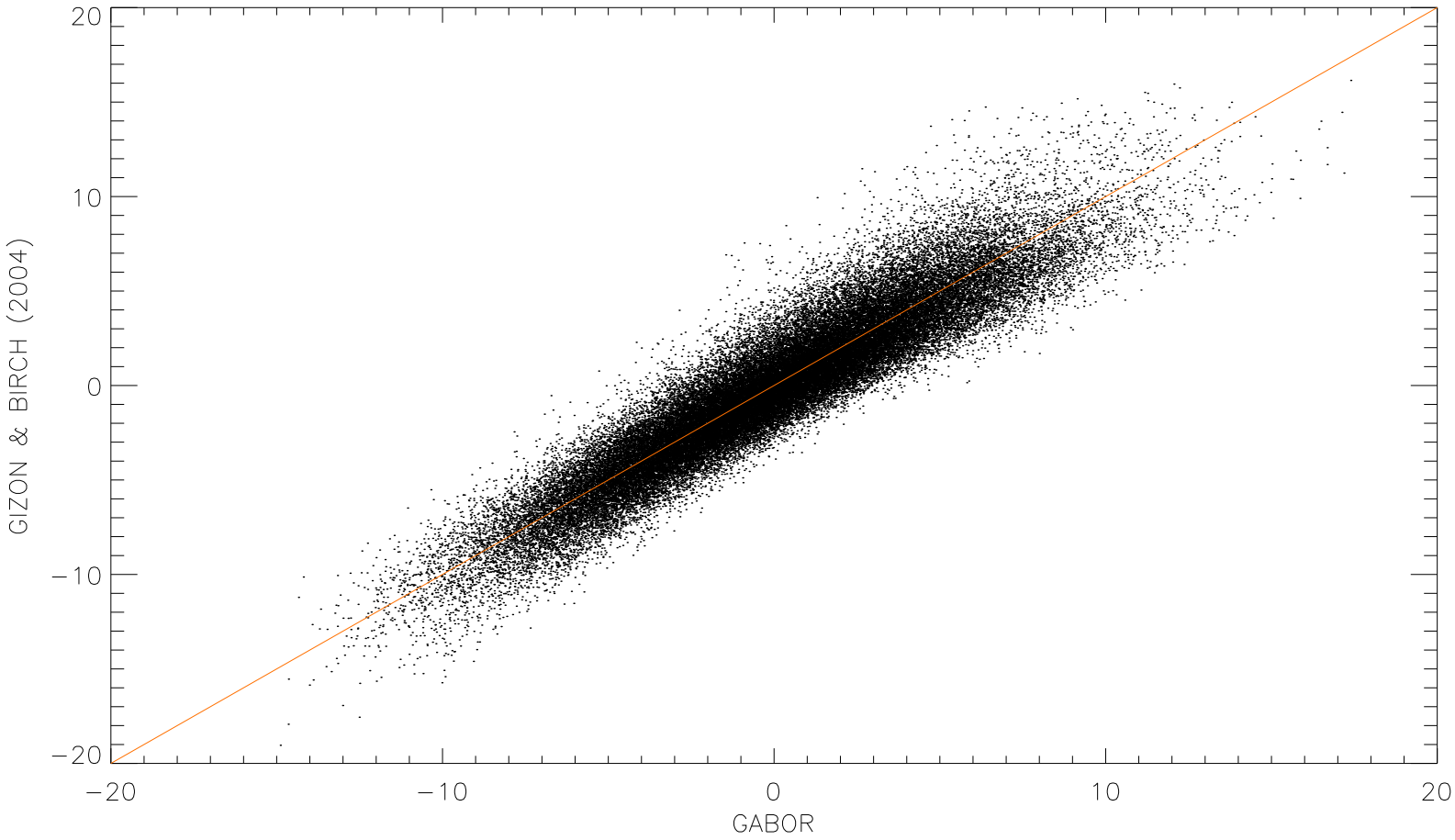

DIFFERENCE; GABOR
0
50
100
150
200
40.0
30.0
20.0
10.0
0.0
−10.0
−20.0
−30.0

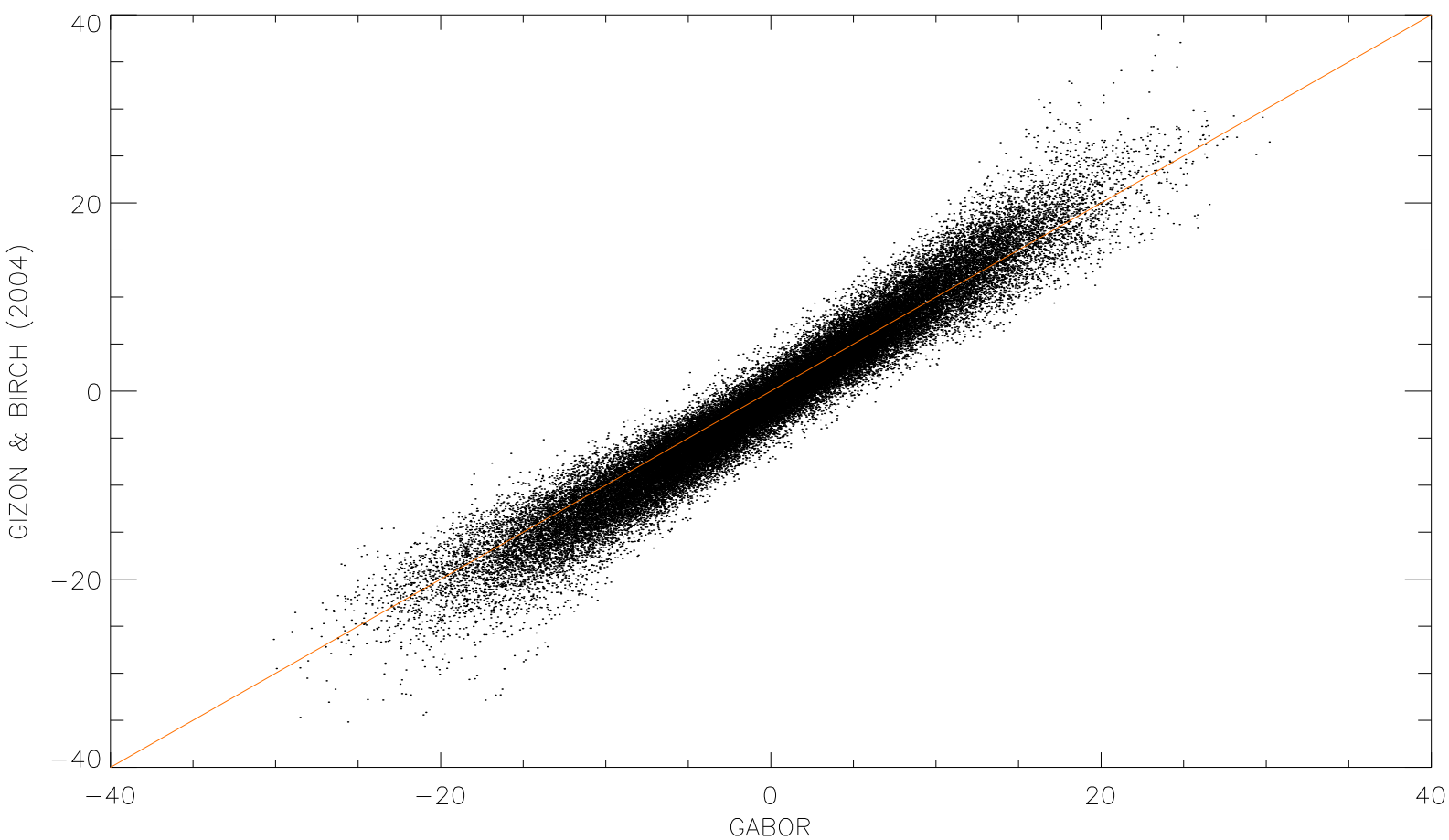

DIFFERENCE; GIZON & BIRCH (2004)
0
50
100
150
200
40.0
30.0
20.0
10.0
0.0
−10.0
−20.0
−30.0

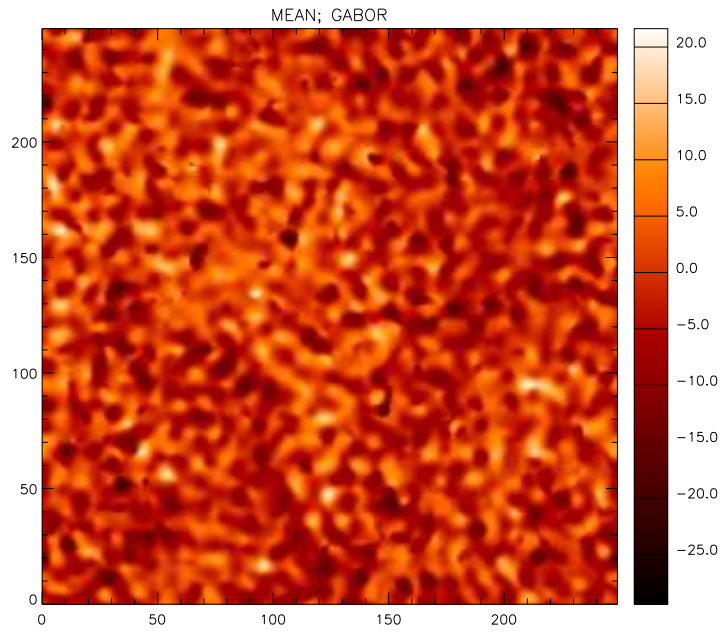

HISTOGRAM MEAN
0
100
200
300
400
500
−20
−10
0
10
20

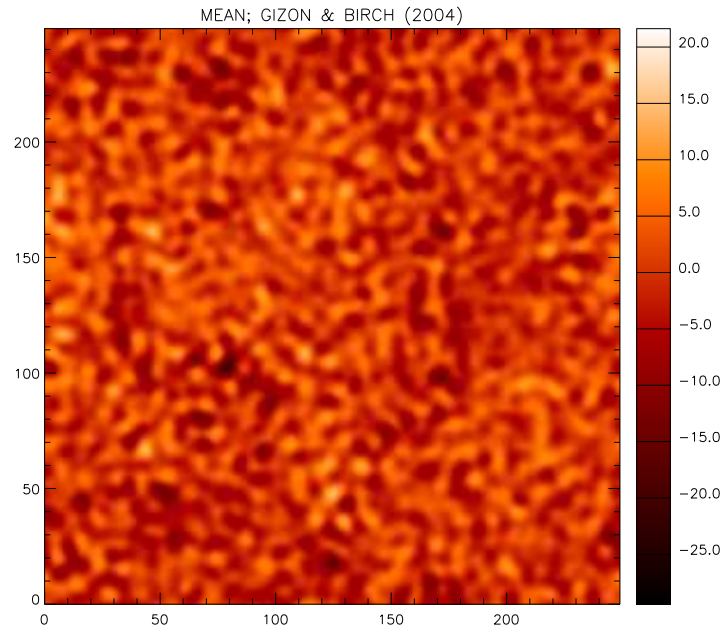

HISTOGRAM DIFFERENCE
0
50
100
150
200
250
300
−20
0
20
40

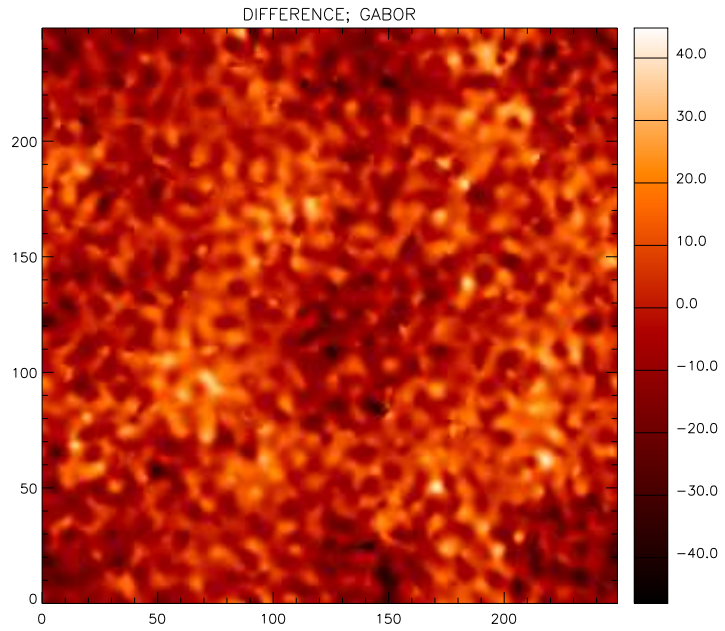

AZIMUTHAL AVERAGE FOR CENTRAL SUPERGRANULE
10
5
0
−5
−10
−15
Difference travel−time perturbation (s)
0
10
20
30
40
r (Mm)

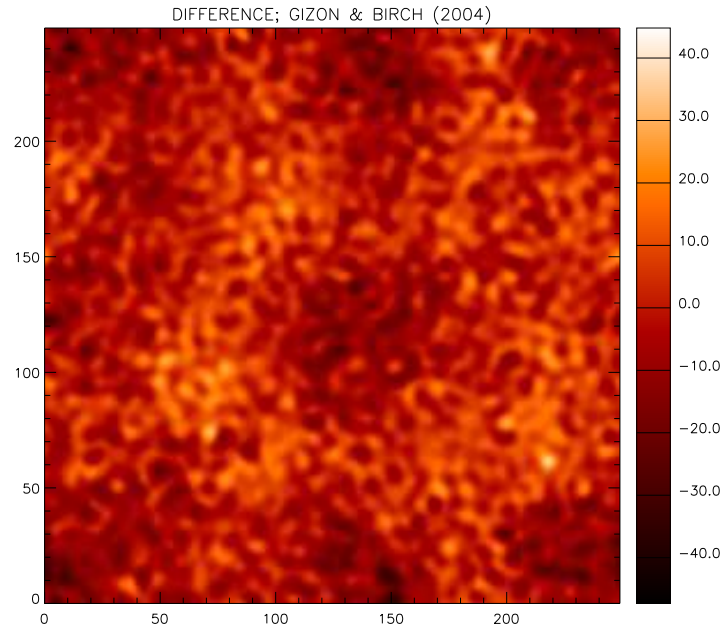

20
10
0
−10
−20
GIZON & BIRCH (2004)
−20
−10
0
10
20
GABOR

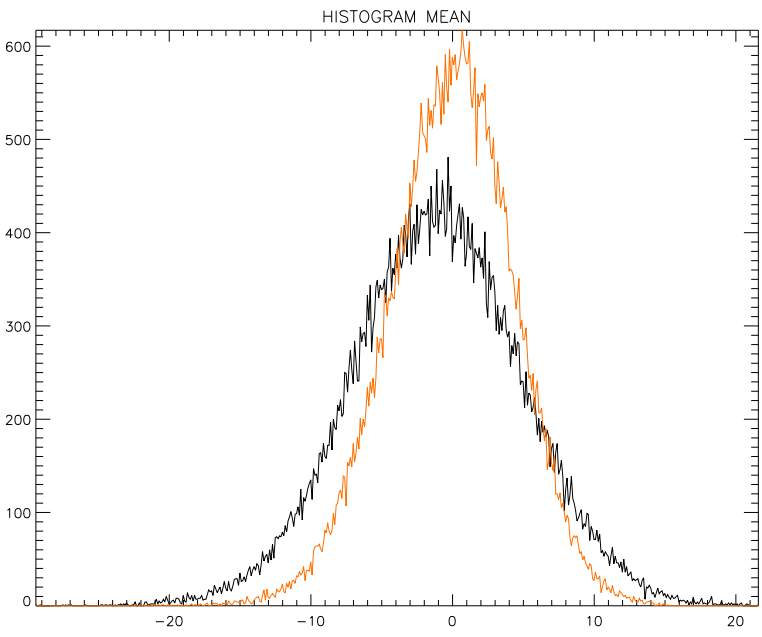

40
20
0
−20
−40
GIZON & BIRCH (2004)
−40
−20
0
20
40
GABOR

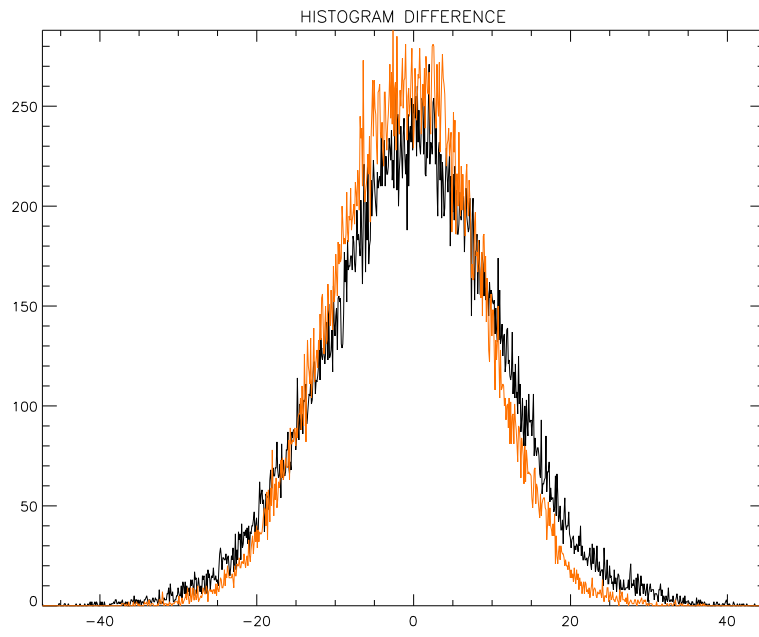

MEAN; GABOR
0
50
100
150
200
20.0
15.0
10.0
5.0
0.0
−5.0
−10.0
−15.0
−20.0
−25.0

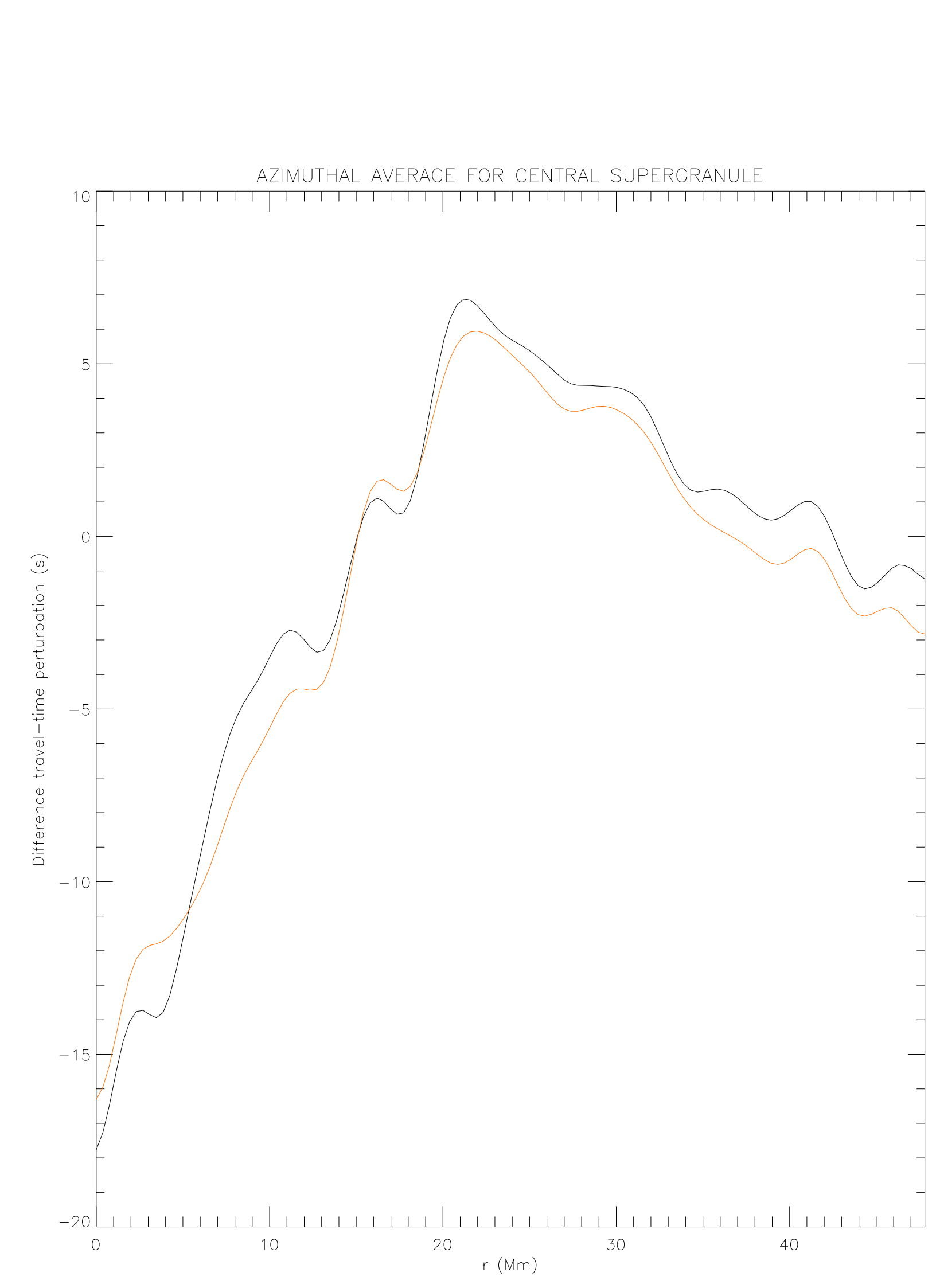

MEAN; GIZON & BIRCH (2004)
0
50
100
150
200
20.0
15.0
10.0
5.0
0.0
−5.0
−10.0
−15.0
−20.0
−25.0

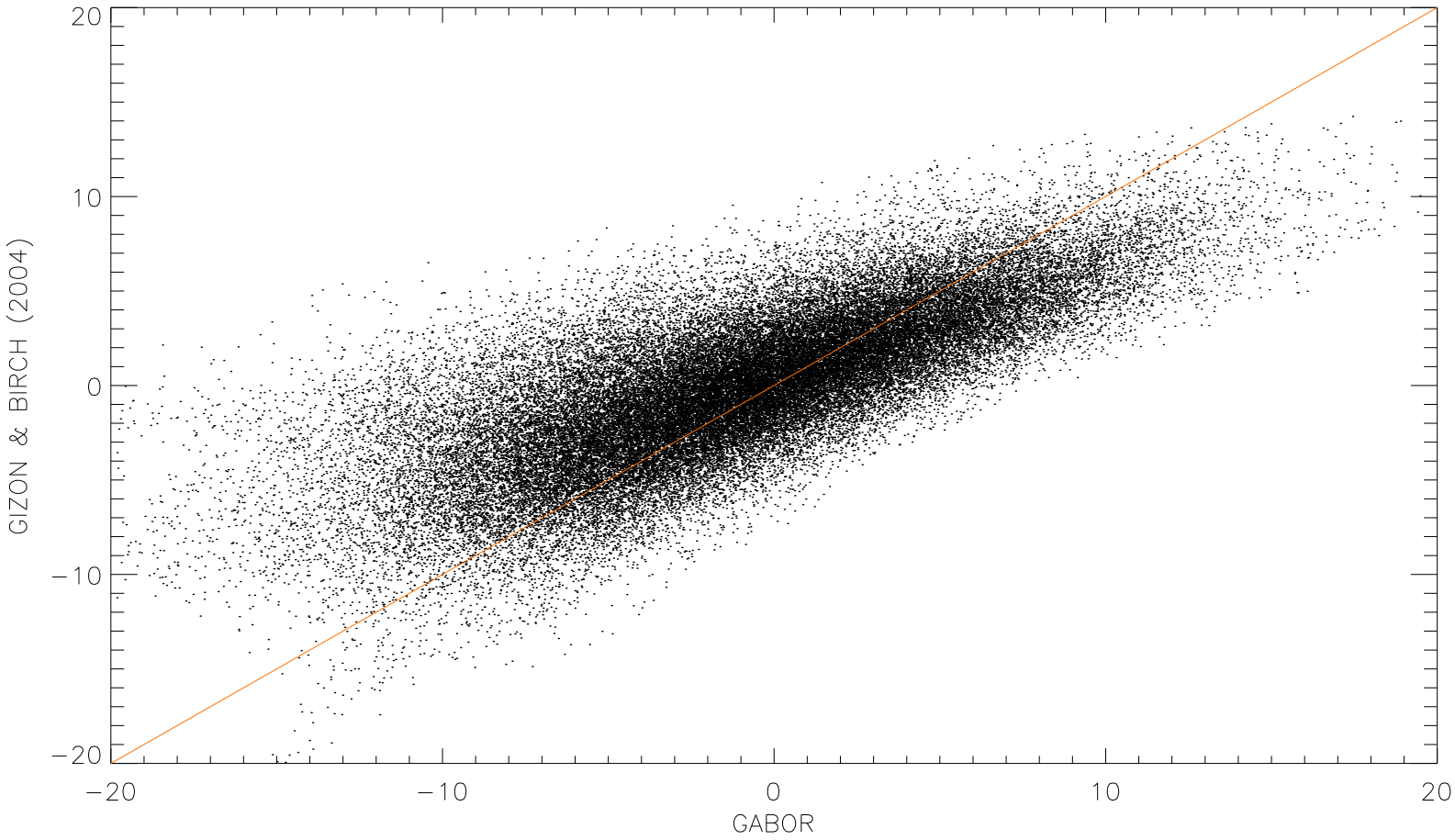

DIFFERENCE; GABOR
0
50
100
150
200
40.0
30.0
20.0
10.0
0.0
−10.0
−20.0
−30.0
−40.0

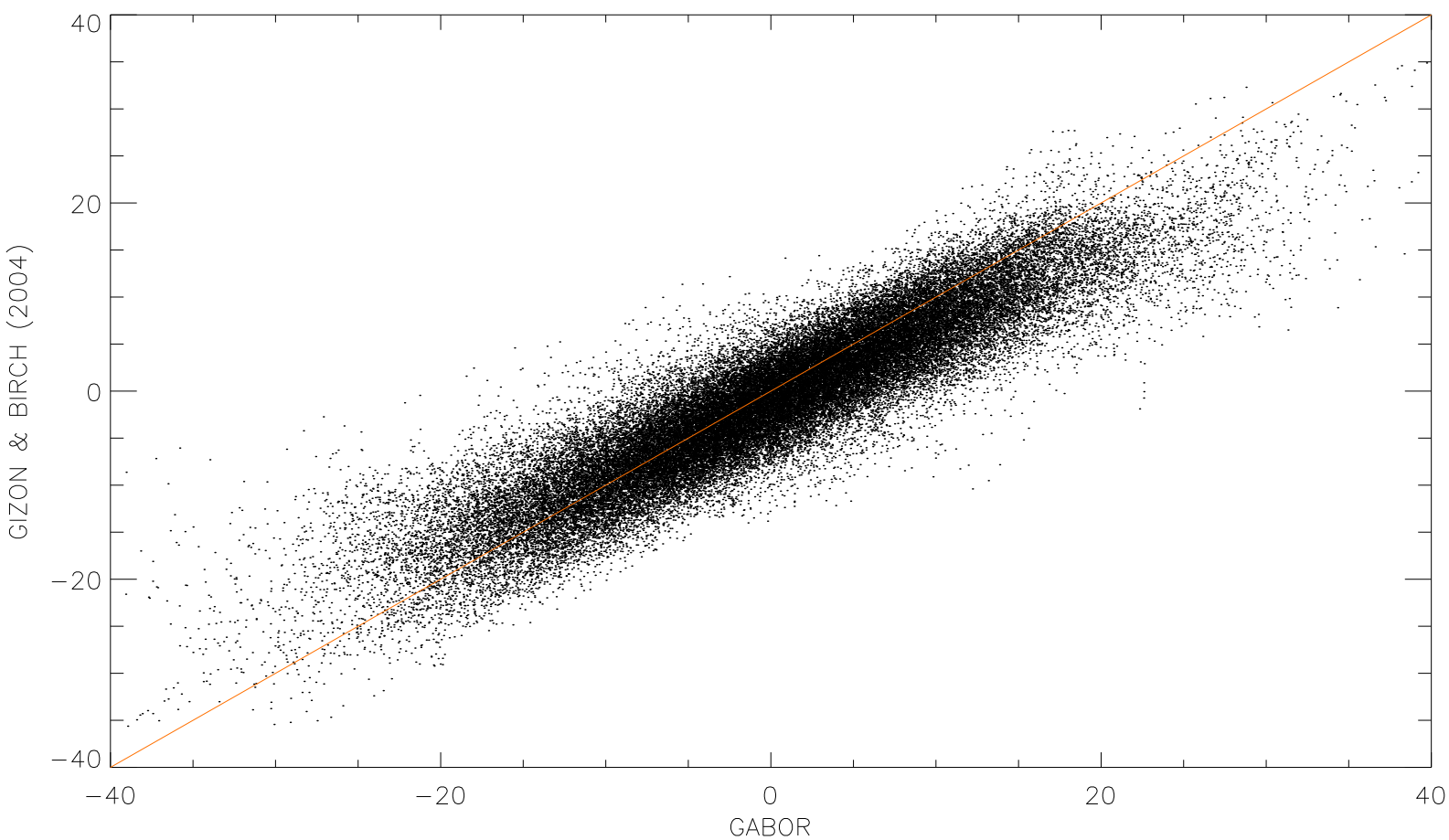

DIFFERENCE; GIZON & BIRCH (2004)
0
50
100
150
200
40.0
30.0
20.0
10.0
0.0
−10.0
−20.0
−30.0
−40.0


HISTOGRAM MEAN
0
100
200
300
400
500
600
−20
−10
0
10
20


HISTOGRAM DIFFERENCE
0
50
100
150
200
250
−40
−20
0
20
40


AZIMUTHAL AVERAGE FOR CENTRAL SUPERGRANULE
Difference travel−time perturbation (s)
r (Mm)
10
5
0
−5
−10
−15
−20
0
10
20
30
40


20
10
0
−10
−20
GIZON & BIRCH (2004)
−20
−10
0
10
20
GABOR


40
20
0
−20
−40
GIZON & BIRCH (2004)
−40
−20
0
20
40
GABOR