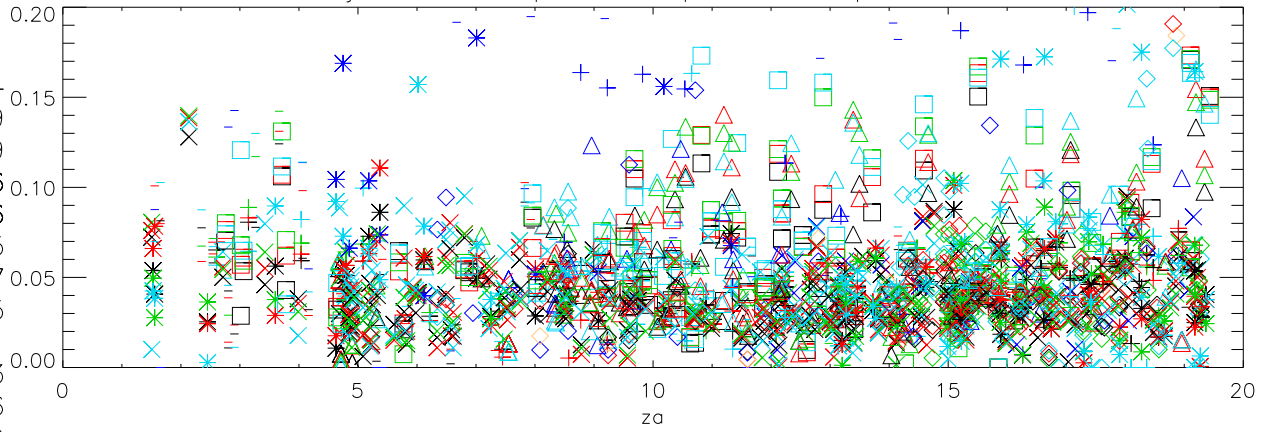


01jun03 to 19sep17 all freq last 2000 pnts. Coma

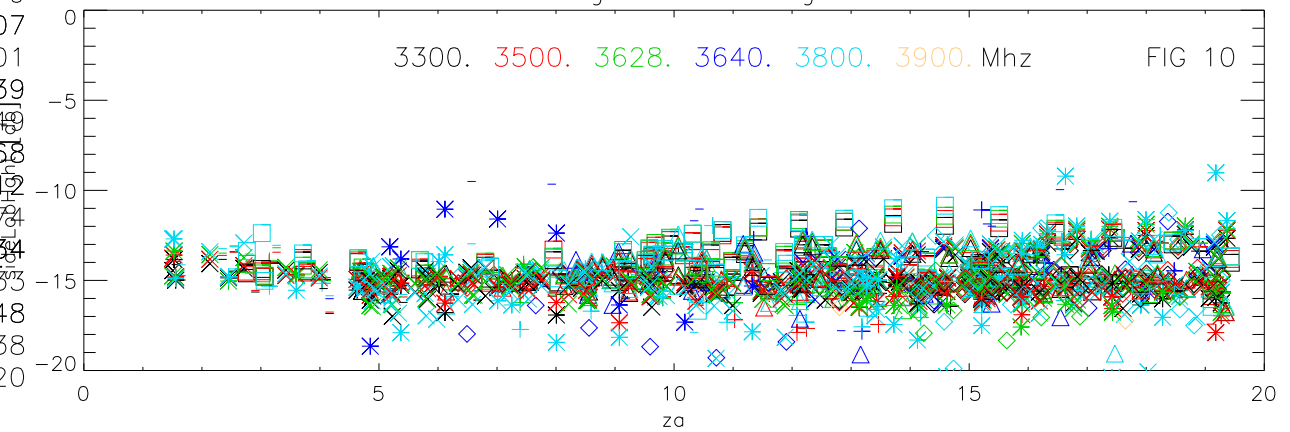


- + B0017+154
- * B0123+329
- ◇ B0134+329
- △ B0138+136
- B0221+276
- B0428+205
- X B0540+187
- + B0618+145
- * B0831+171
- ◇ B1040+123
- △ B1117+146
- B1218+339
- B1317+179
- X B1328+307
- + B1442+101
- * B1535+139
- ◇ B1538+149
- △ B1607+208
- B1615+219
- B1645+174
- X B1756+134
- + B1922+333
- * B2128+048
- ◇ B2314+038
- △ B2337+220

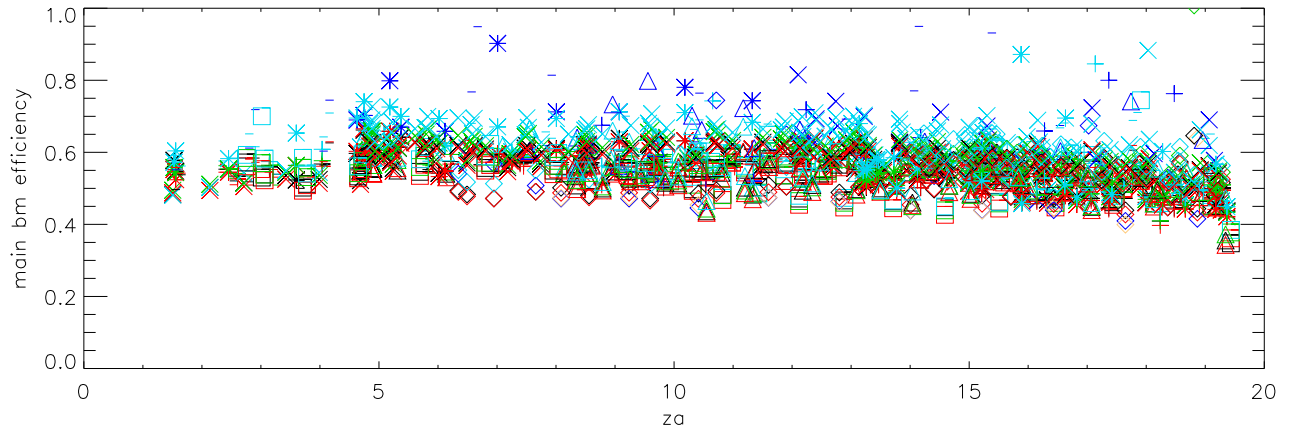
Average SideLobe Height

3300. 3500. 3628. 3640. 3800. 3900. Mhz

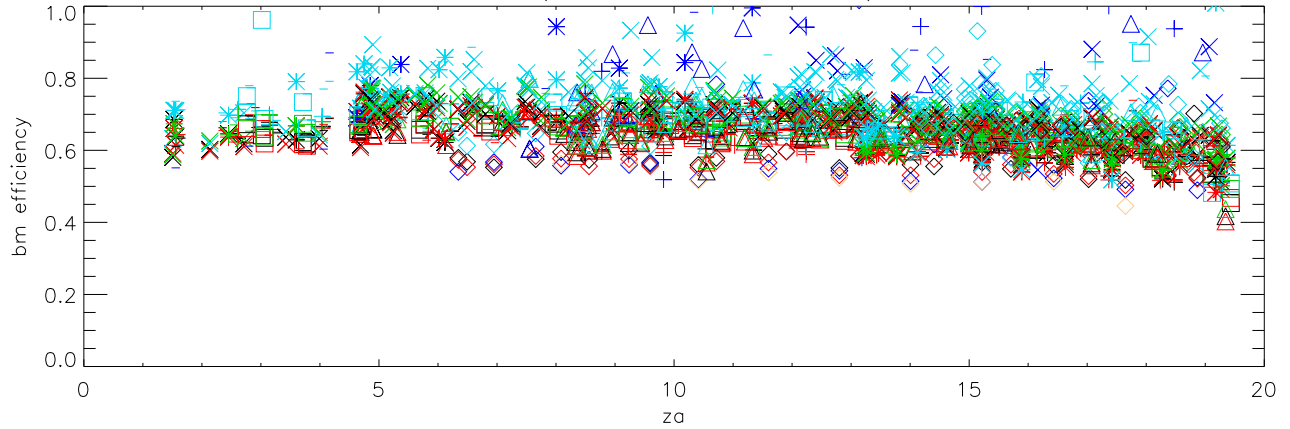
FIG 10



Eta MainBm

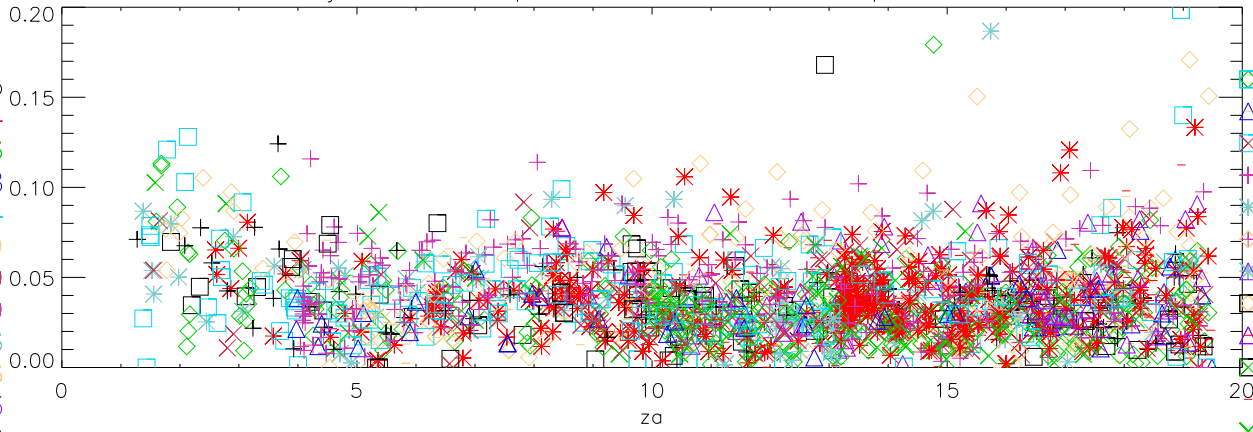


Eta (MainBm + 1st SideLobe)



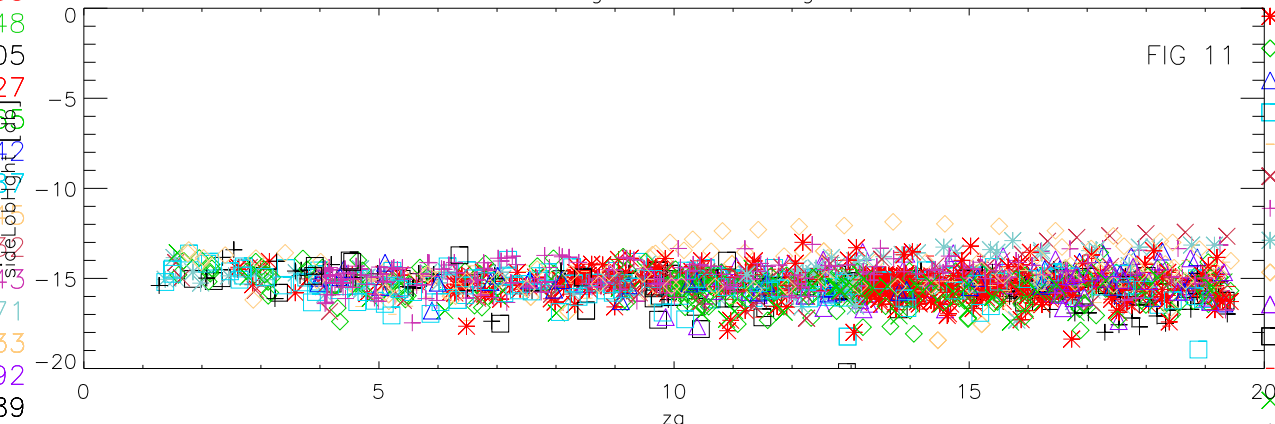
01jun03 to 19sep17 3300 Mhz last 2000 pnts. Coma

- + B0010+005
- * B0017+154
- ◇ B0026+346
- △ B0038+328
- B0109+144
- B0116+308
- × B0123+329
- + B0134+329
- * B0138+136
- ◇ B0221+276
- △ B0231+313
- B0316+162
- B0320+053
- × B0340+048
- + B0428+205
- * B0453+227
- ◇ B0518+189
- △ B0534+341
- B0540+189
- B0618+149
- × B0732+322
- + B0758+143
- * B0831+171
- ◇ B0838+133
- △ B0858+292
- B0932+089
- B0949+287
- × B1005+077
- + B1039+029
- * B1040+123



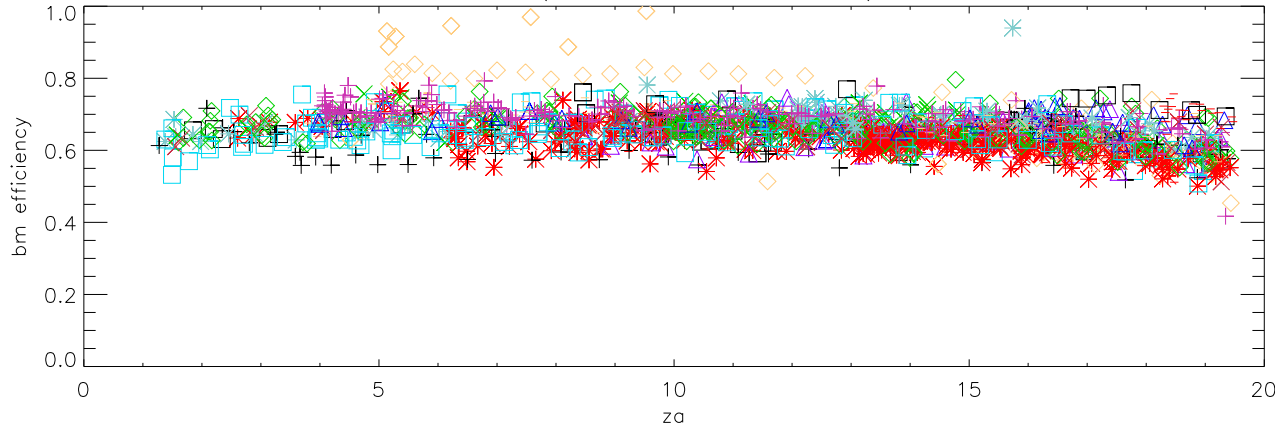
Average SideLobe Height

FIG 11



main bm efficiency

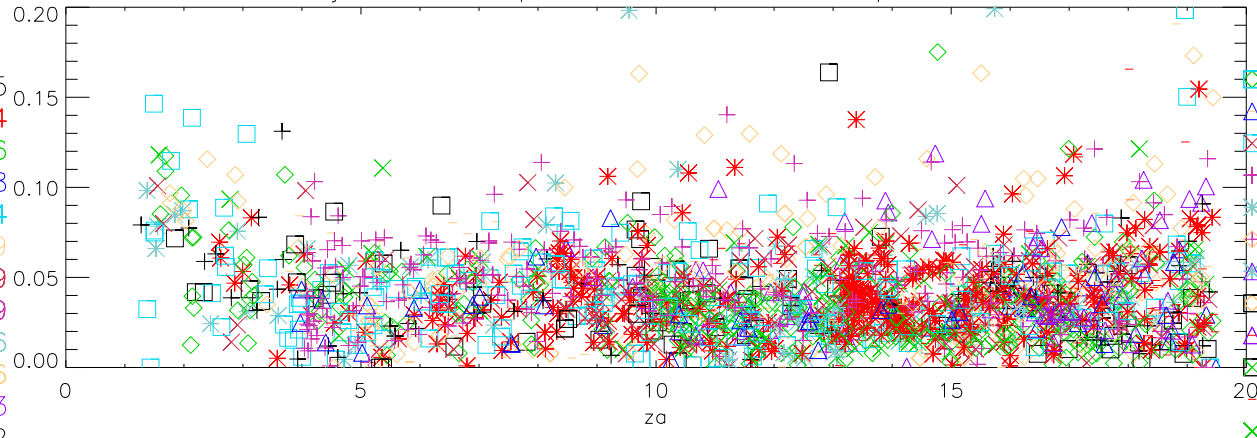
Eta (MainBm + 1st SideLobe)



bm efficiency

01jun03 to 19sep17 3500 Mhz last 2000 pnts. Coma

- + B0010+005
- * B0017+154
- ◇ B0026+346
- △ B0038+328
- B0109+144
- B0116+309
- × B0123+329
- + B0134+329
- * B0138+136
- ◇ B0221+276
- △ B0231+313
- B0316+162
- B0320+053
- × B0340+048
- + B0428+205
- * B0453+227
- ◇ B0518+189
- △ B0534+341
- B0540+189
- B0618+149
- × B0732+322
- + B0758+143
- * B0831+171
- ◇ B0838+133
- △ B0858+292
- B0932+089
- B0949+287
- × B1005+077
- + B1039+029
- * B1040+123



Average SideLobe Height

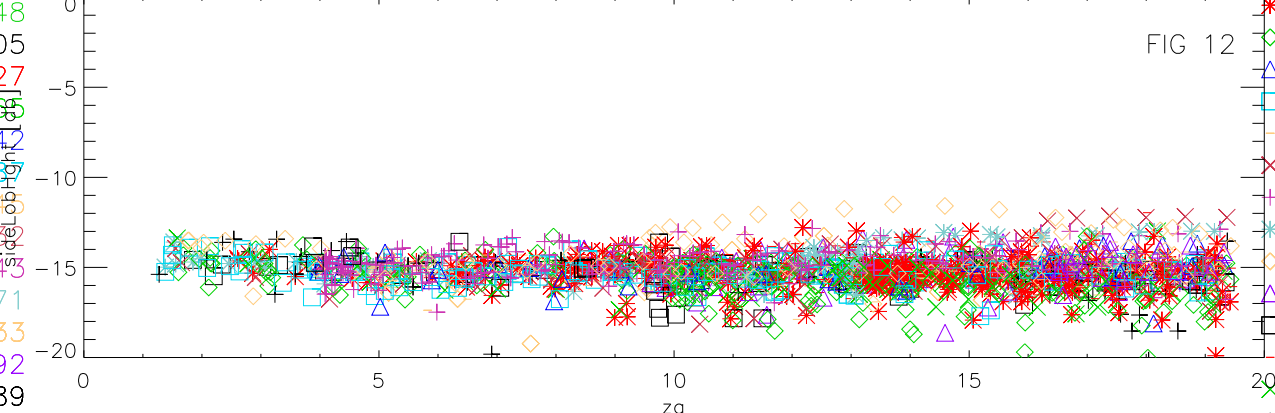
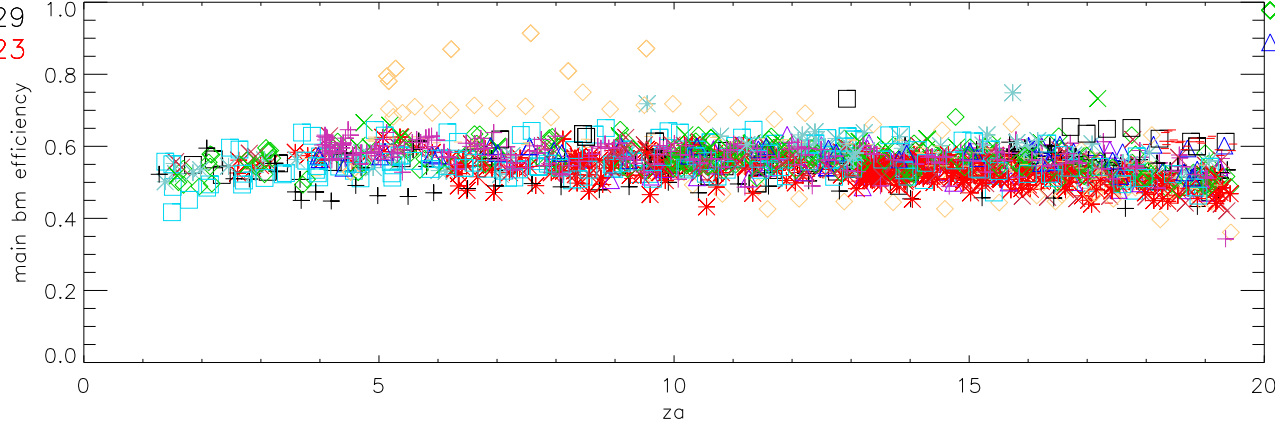
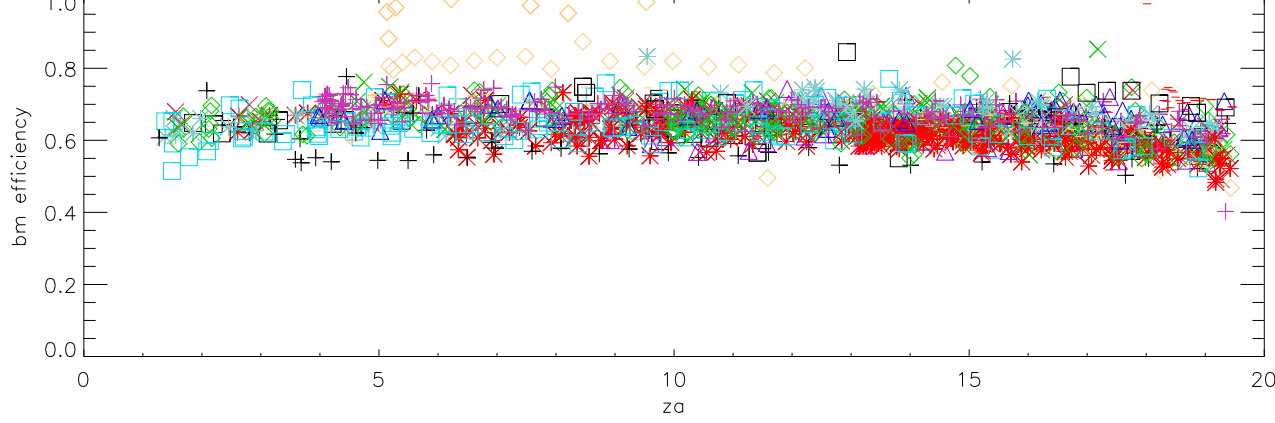


FIG 12

Eta MainBm



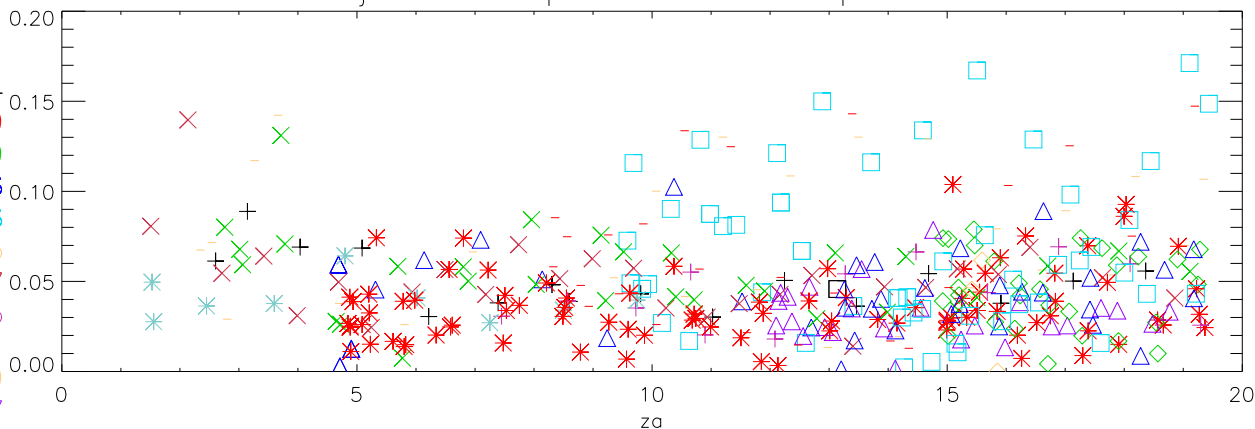
Eta (MainBm + 1st SideLobe)



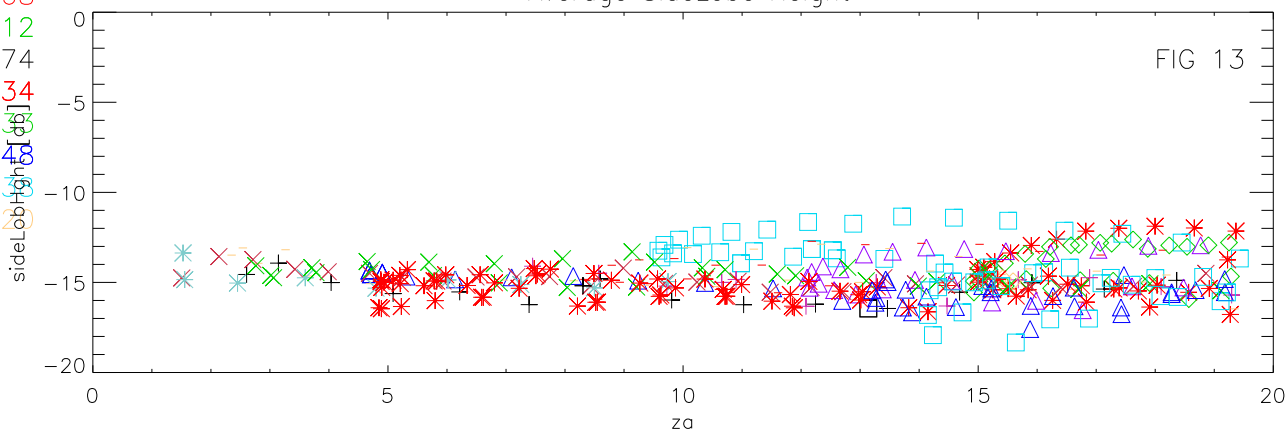
- ◇ B1108+202
- △ B1117+146
- ◇ B1325+209
- + B2337+220
- * B2338+139
- △ B1323+321
- △ B1006+349
- J1021+219
- △ B1345+292
- ◇ B1413+349
- ◇ B1442+101
- × B1535+139
- + B1538+149
- * B1607+268
- ◇ B1615+212
- △ B1641+173
- B1645+174
- B1756+134
- × B1843+098
- + B1857+129
- * B1913+302
- ◇ B1922+333
- △ B1939+103
- B2041+170
- B2050+364
- ◇ B2116+180
- + B2120+168
- * B2128+048
- ◇ B2209+080
- △ B2247+140

01jun03 to 19sep17 3628 Mhz 380 pnts. Coma

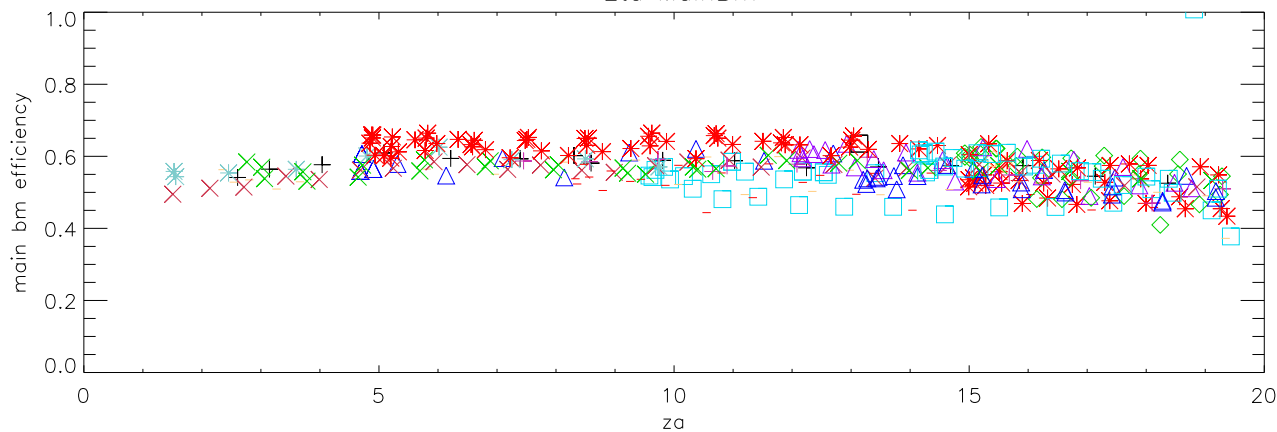
- + B0017+154
- * B0123+306
- ◇ B0134+309
- △ B0138+156
- B0221+275
- B0428+209
- × B0540+187
- + B0618+145
- * B0831+171
- ◇ B1218+339
- △ B1328+307
- B1535+139
- B1607+268
- × B1615+212
- + B1645+174
- * B1756+134
- ◇ B1922+305
- △ B2128+046
- B2314+013
- B2337+209



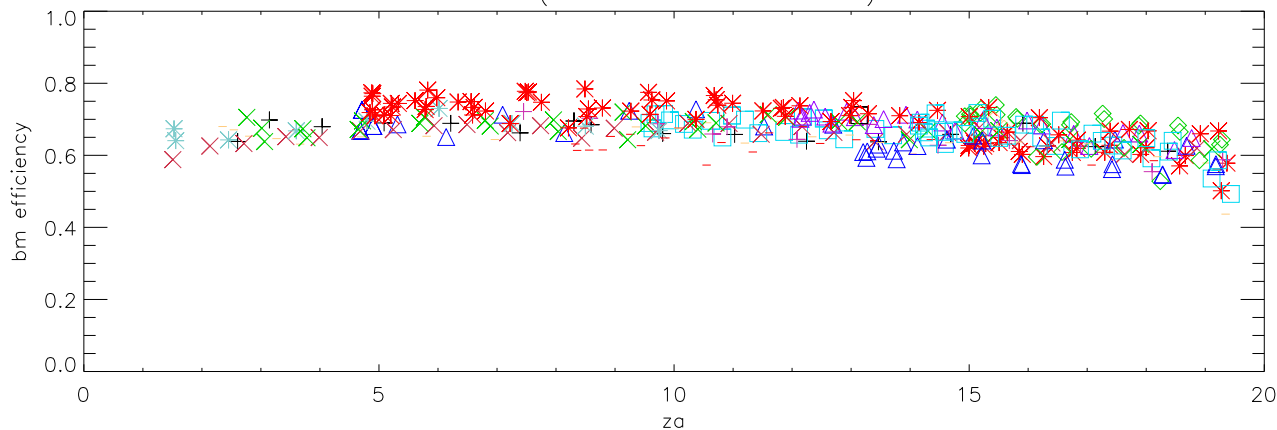
Average SideLobe Height

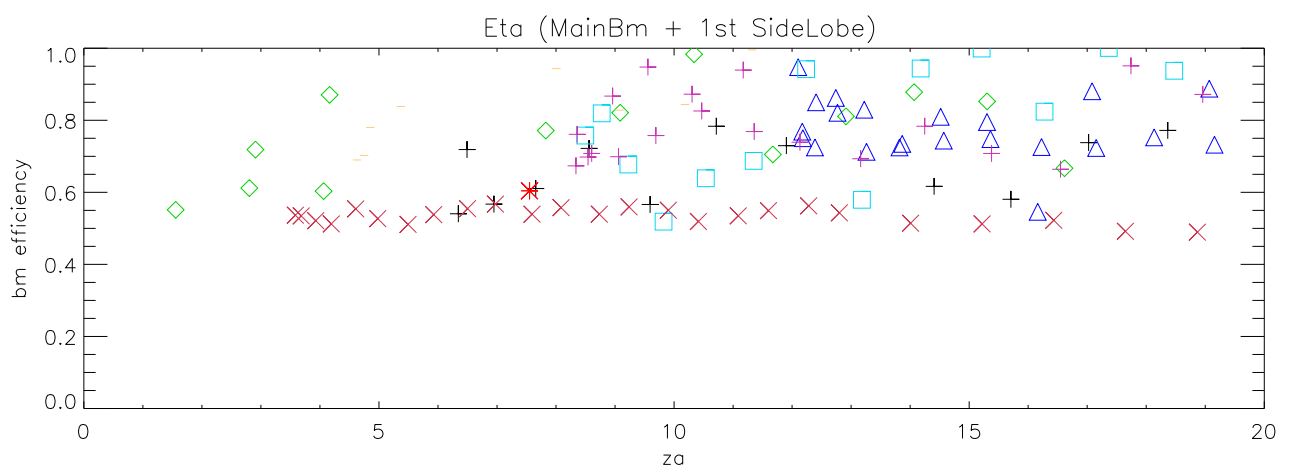
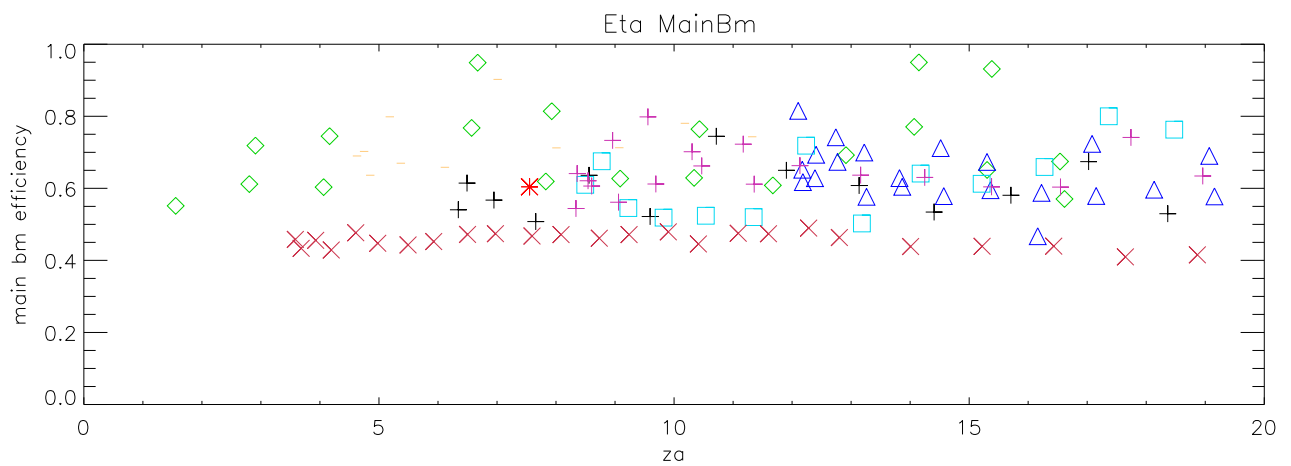
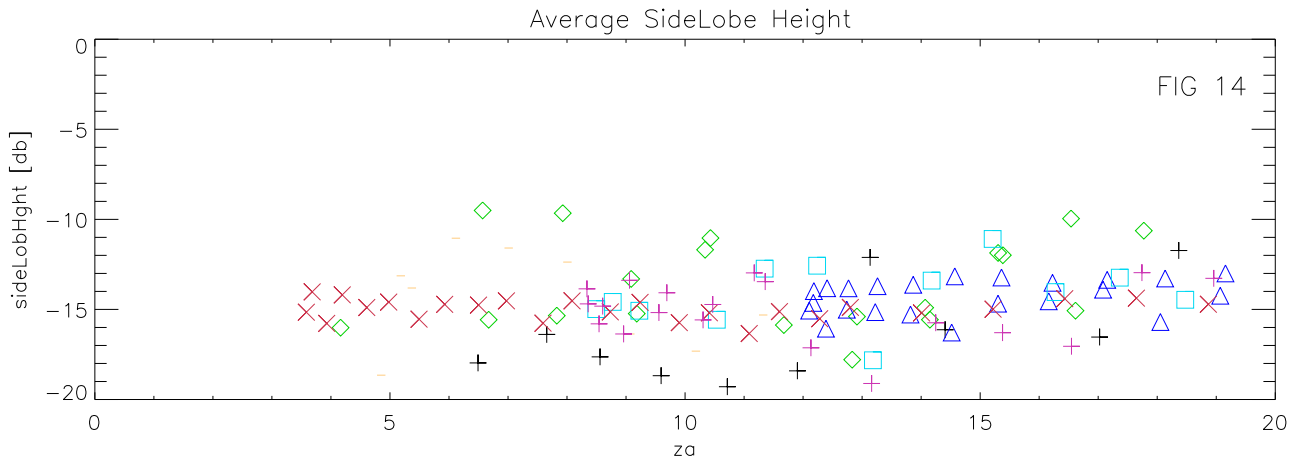
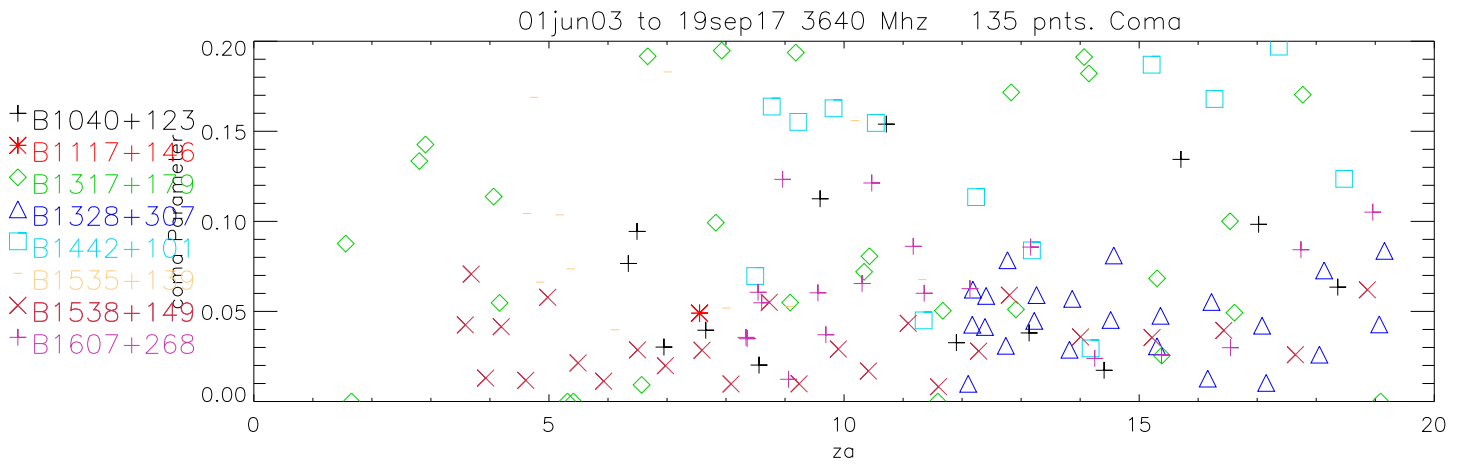


Eta MainBm



Eta (MainBm + 1st SideLobe)

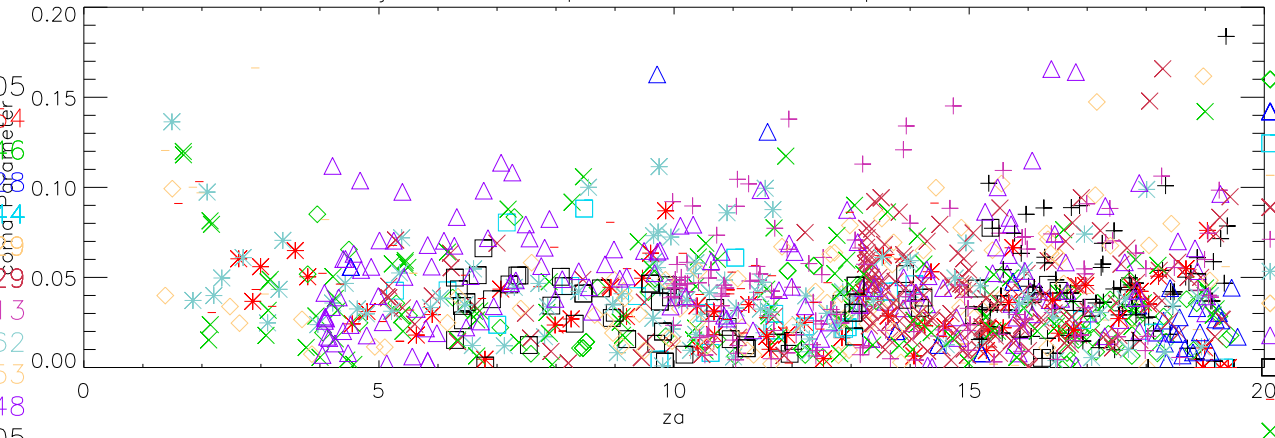




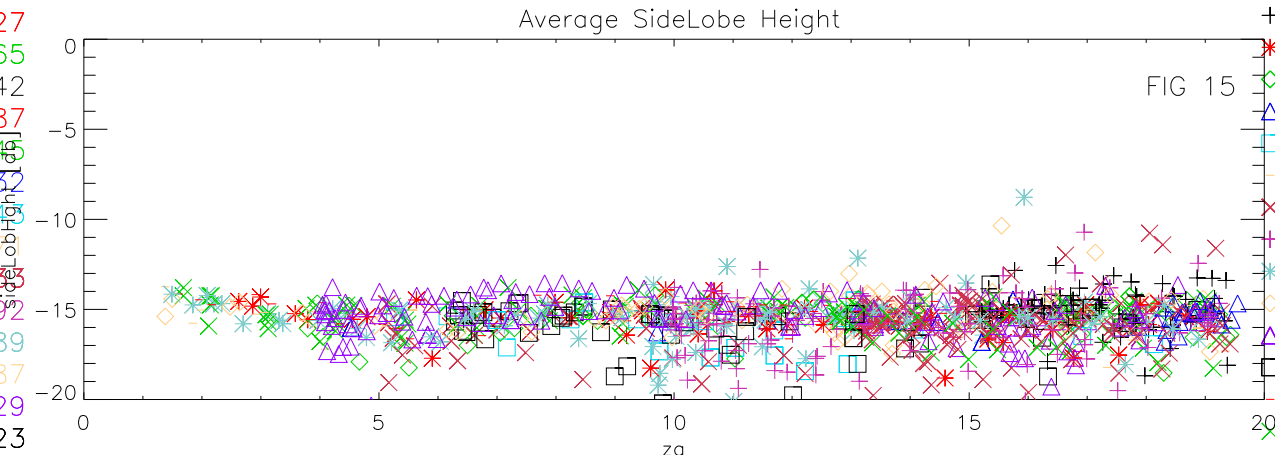
01jun03 to 19sep17 3700 Mhz 1126 pnts. Coma

- + B0010+005
- * B0017+154
- ◇ B0026+346
- △ B0038+328
- B0109+144
- B0123+329
- * B0134+329
- + B0231+313
- * B0316+162
- ◇ B0320+053
- △ B0340+048
- B0428+205
- B0453+227
- × B0518+165
- + B0534+342
- * B0540+187
- ◇ B0618+145
- △ B0732+311
- B0758+145
- B0831+145
- × B0838+145
- + B0858+292
- * B0932+089
- ◇ B0949+287
- △ B1039+029
- B1040+123
- B1108+202
- × B1140+223
- + B1218+339
- * B1323+321

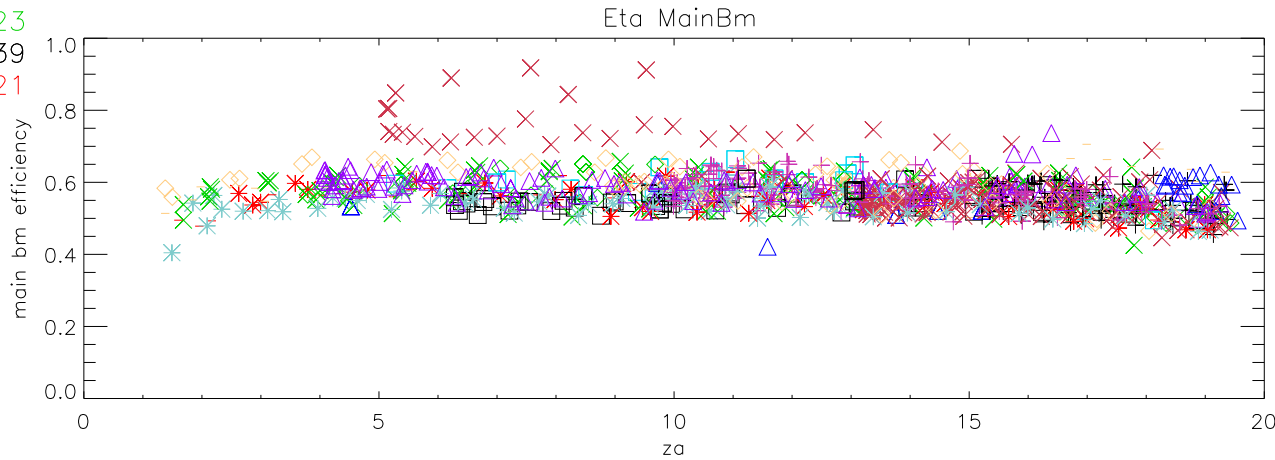
- ◇ B1328+307
- △ B1341+144
- B1345+125
- B1413+349
- * B1535+139
- + B1607+268
- * B1641+173
- ◇ B1645+174
- △ B1756+134
- B1843+098
- B1857+129
- × B1913+302
- + B1922+333
- * B1939+103
- ◇ B2041+170
- △ B2050+364
- B2116+180
- B2120+168
- × B2128+048
- + B2209+080
- * B2249+185
- ◇ B2325+269
- △ B2337+220
- B2338+132
- J1159+292
- × J2123+055



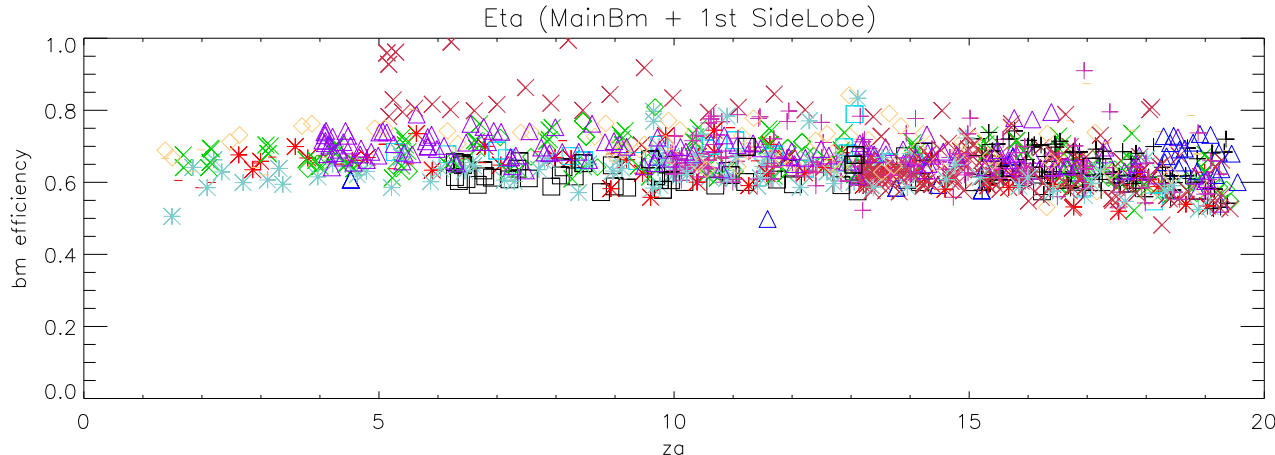
Average SideLobe Height



Eta MainBm

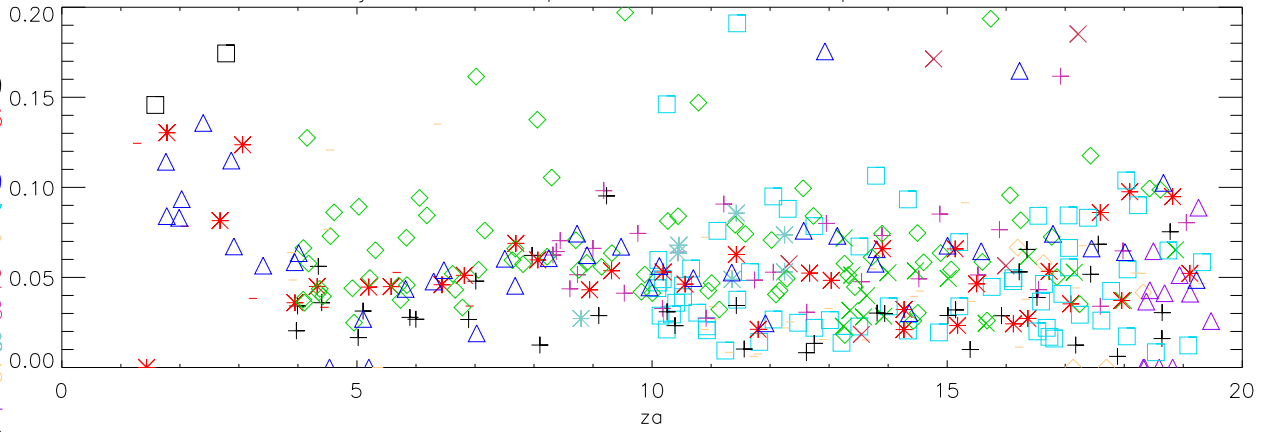


Eta (MainBm + 1st SideLobe)

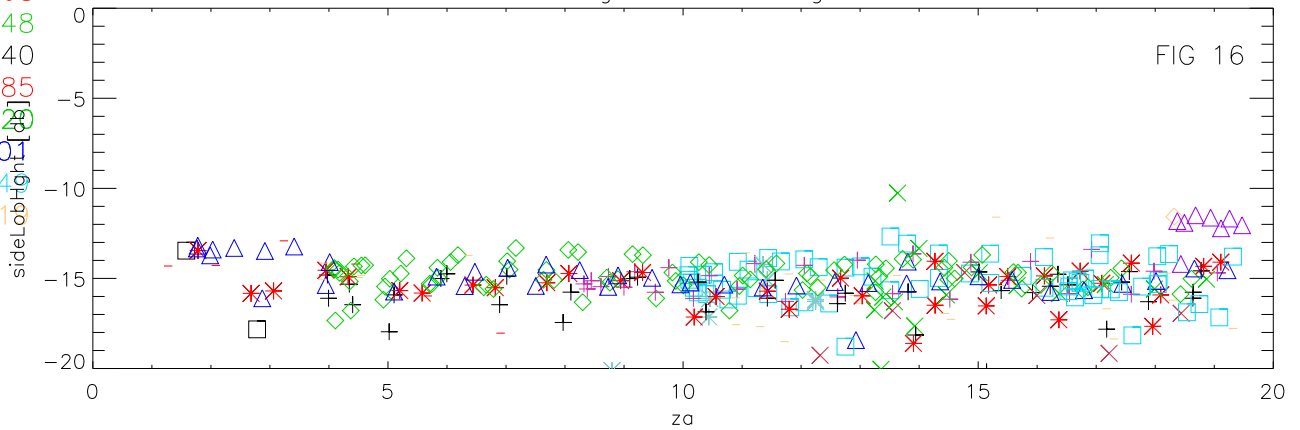


01jun03 to 19sep17 3710 Mhz 369 pnts. Coma

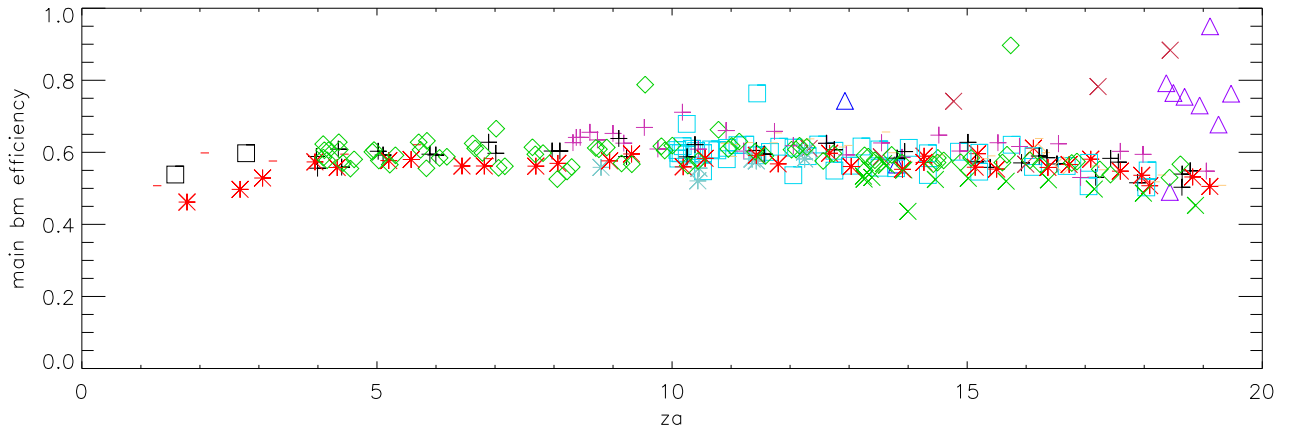
- + B0116+319
- * B0221+275
- ◇ B0831+176
- △ B0932+088
- B0949+207
- B1005+007
- × B1108+202
- + B1607+268
- * B1843+098
- ◇ B1922+333
- △ B2050+364
- B2116+180
- B2120+168
- × B2128+048
- + B2247+140
- * B2249+185
- ◇ B2337+229
- △ J0854+203
- J1006+343
- J1021+215



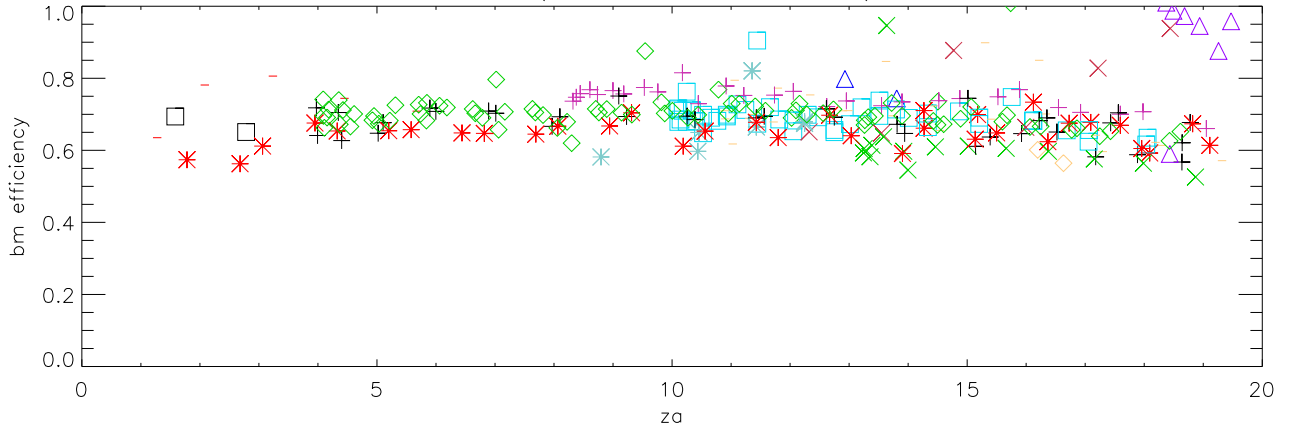
Average SideLobe Height



Eta MainBm

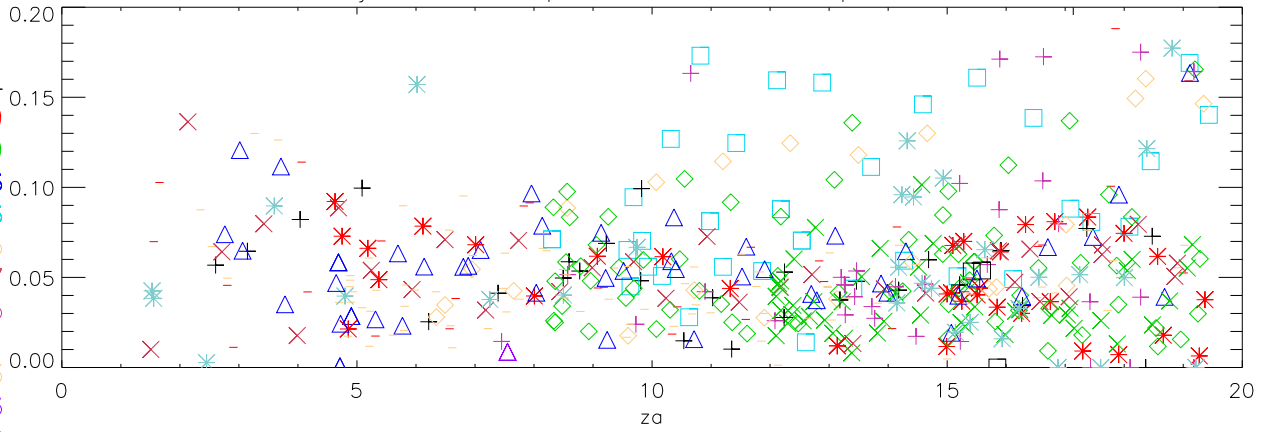


Eta (MainBm + 1st SideLobe)

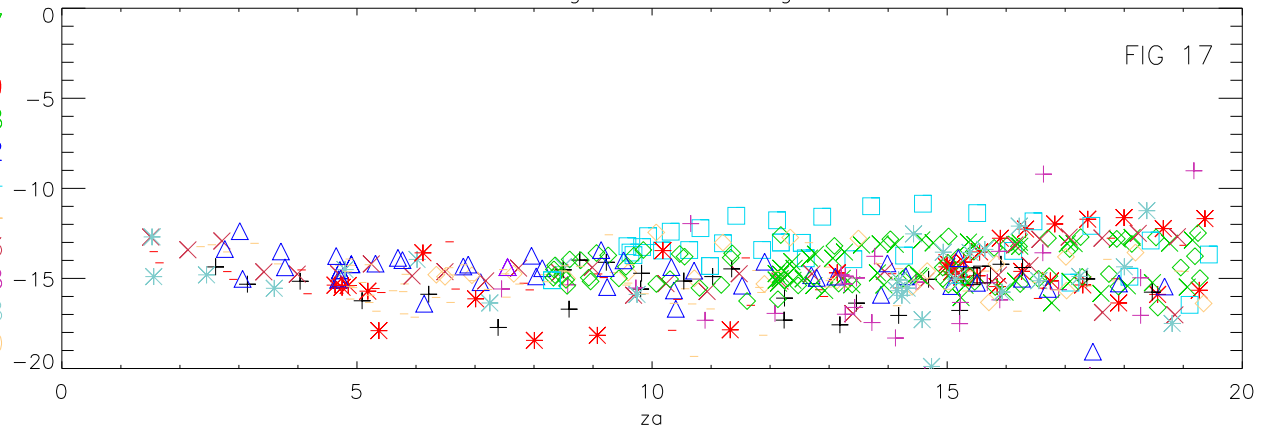


01jun03 to 19sep17 3800 Mhz 490 pnts. Coma

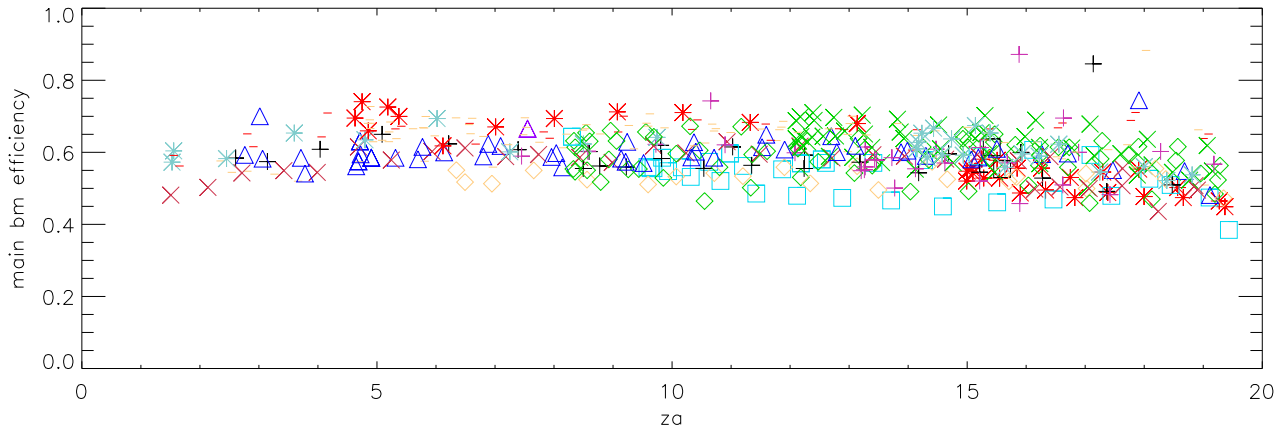
- + B0017+154
- * B0123+307
- ◇ B0134+309
- △ B0138+156
- B0221+275
- B0428+209
- × B0540+187
- + B0618+145
- * B0831+171
- ◇ B1040+123
- △ B1117+146
- B1218+339
- B1317+179
- × B1328+307
- + B1442+101
- * B1535+139
- ◇ B1607+288
- △ B1615+217
- B1645+174
- B1756+104
- × B1922+303
- + B2128+048
- * B2314+038
- ◇ B2337+220



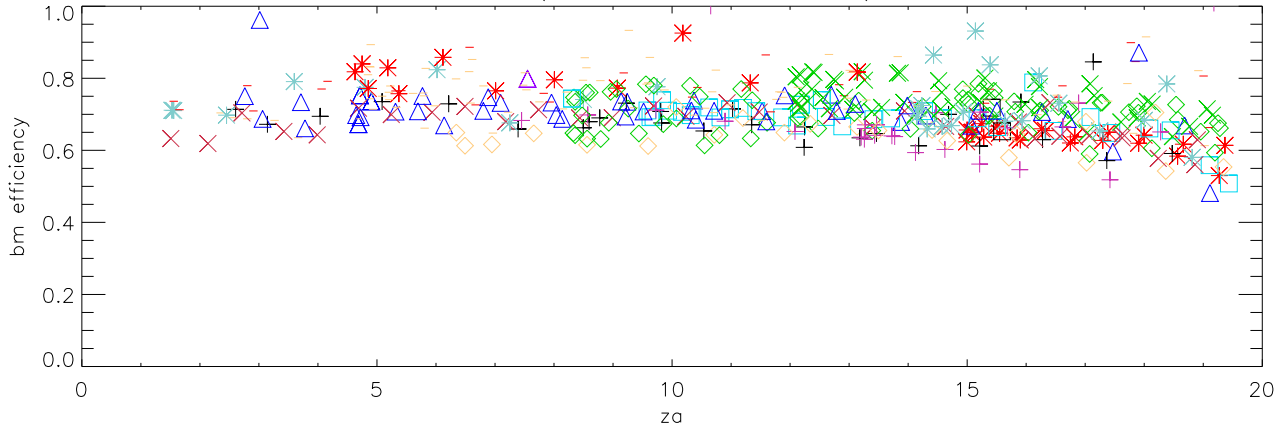
Average SideLobe Height



Eta MainBm

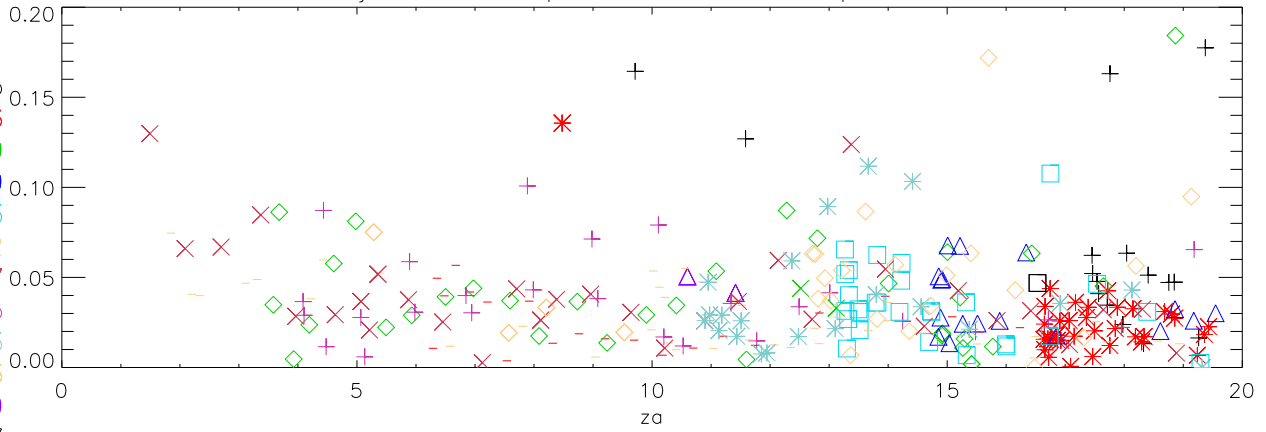


Eta (MainBm + 1st SideLobe)



01jun03 to 19sep17 3900 Mhz 296 pnts. Coma

- + B0010+005
- * B0026+345
- ◇ B0123+329
- △ B0134+329
- B0231+373
- B0316+112
- × B0453+227
- + B0518+165
- * B0758+143
- ◇ B0838+133
- △ B0932+089
- B0949+287
- B1040+123
- × B1328+307
- + B1341+144
- * B1345+125
- ◇ B1538+148
- △ B2050+304
- B2128+048
- B2209+089
- × B2249+189
- + B2337+220
- * J1159+292
- ◇ J2123+055



Average SideLobe Height

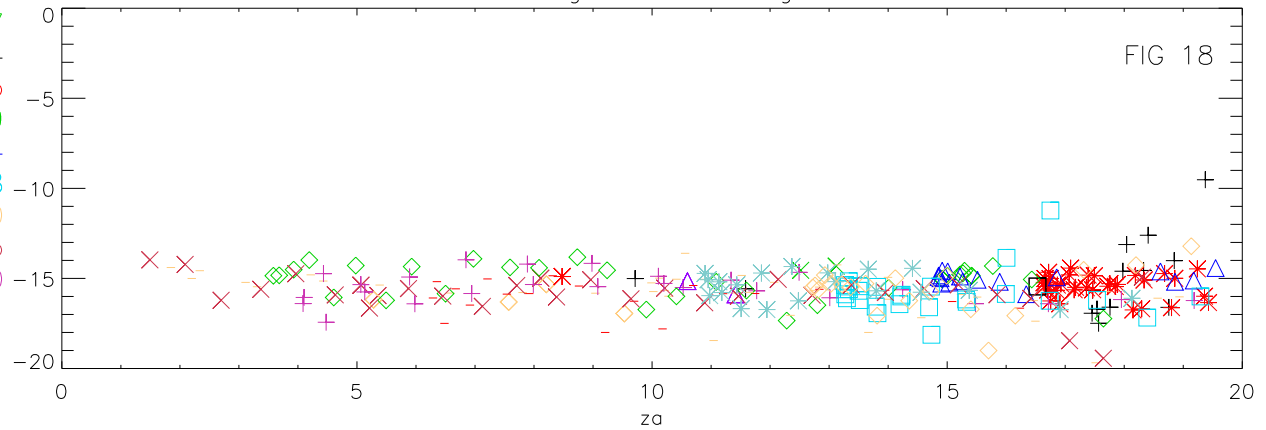
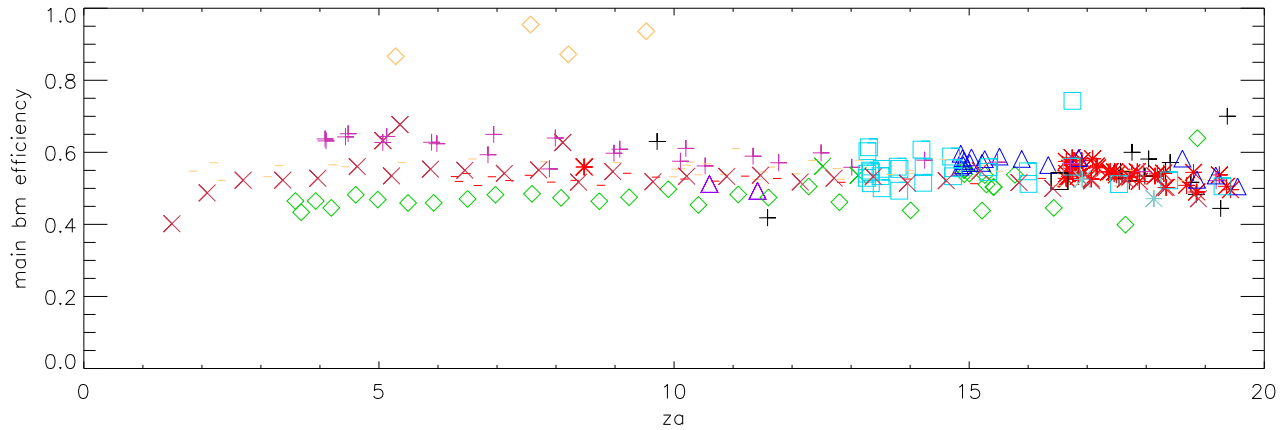


FIG 18

Eta MainBm



Eta (MainBm + 1st SideLobe)

