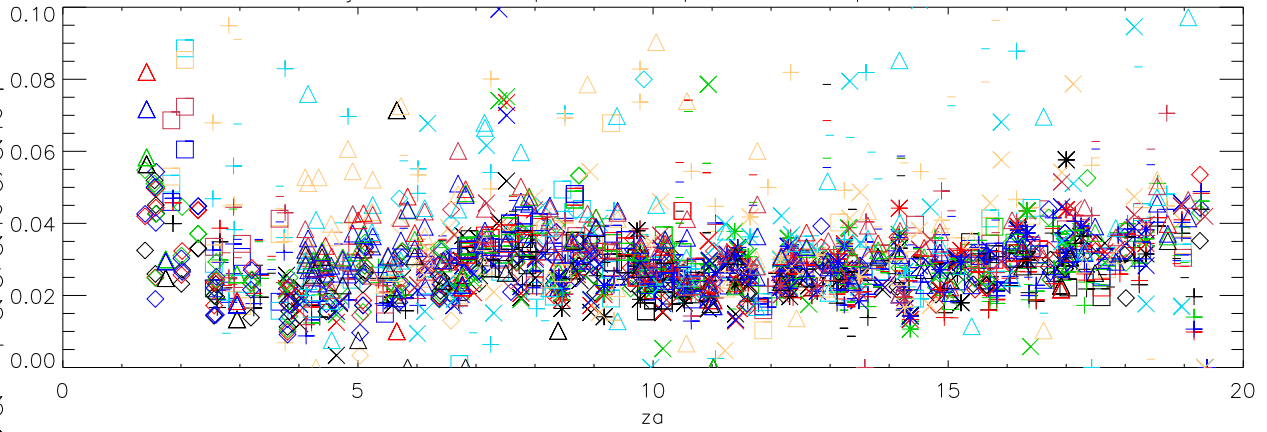
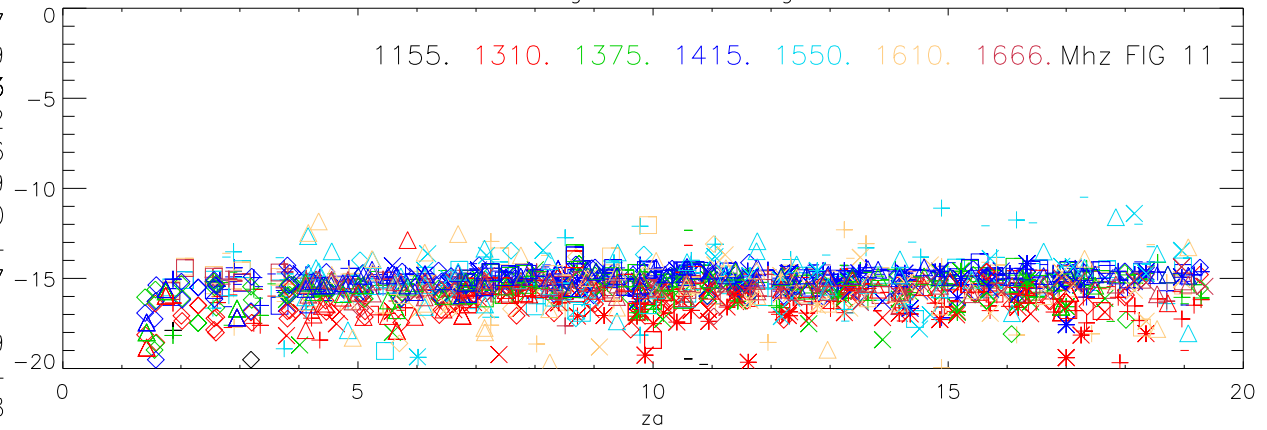


01jun03 to 19sep17 all freq last 2000 pnts. Coma

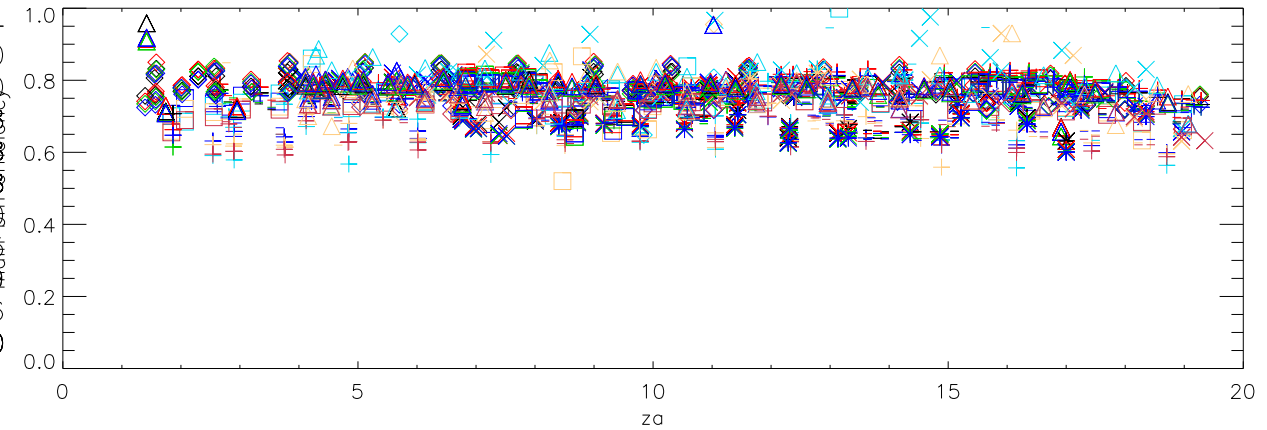


Average SideLobe Height

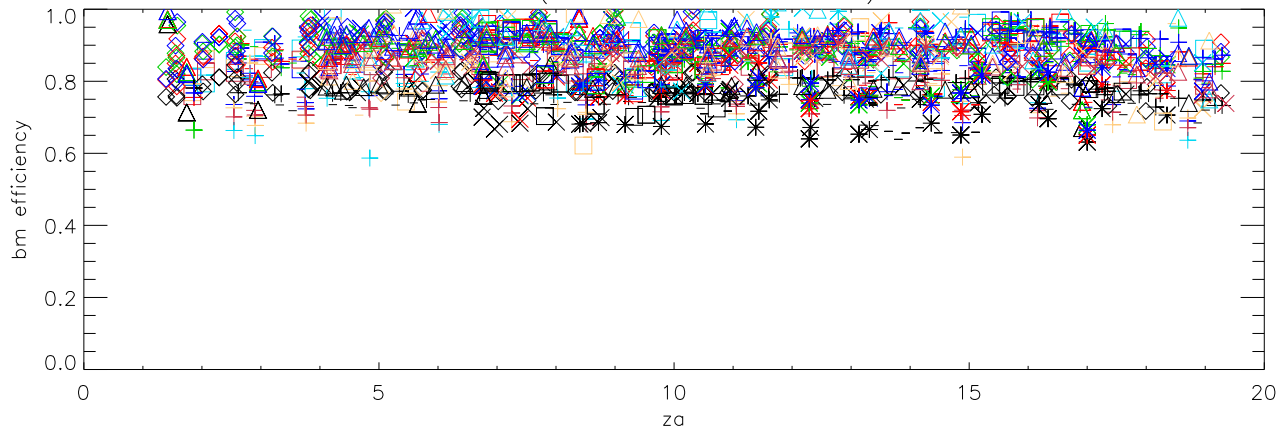
1155. 1310. 1375. 1415. 1550. 1610. 1666. Mhz FIG 11



η MainBm



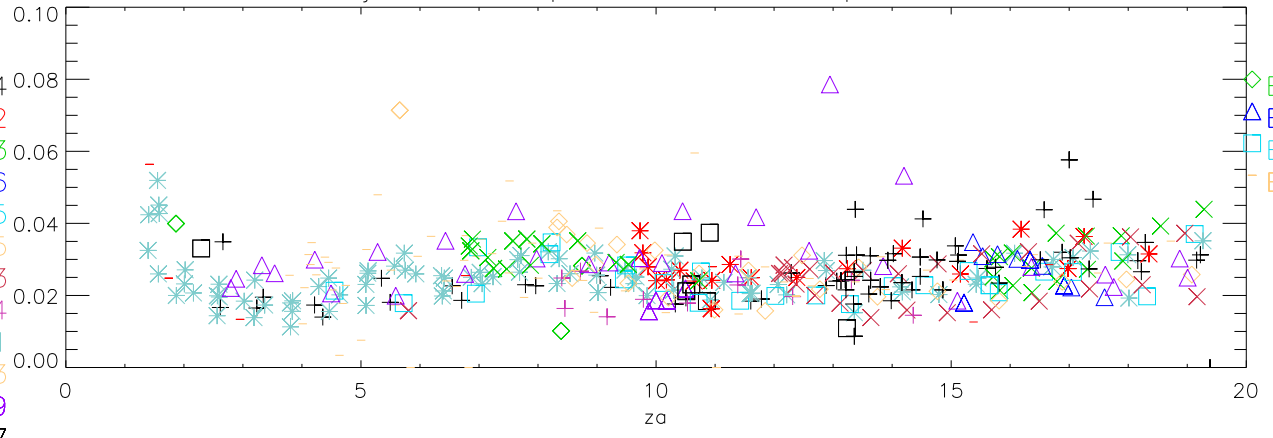
η (MainBm + 1st SideLobe)



01jun03 to 19sep17 1155 Mhz 409 pnts. Coma

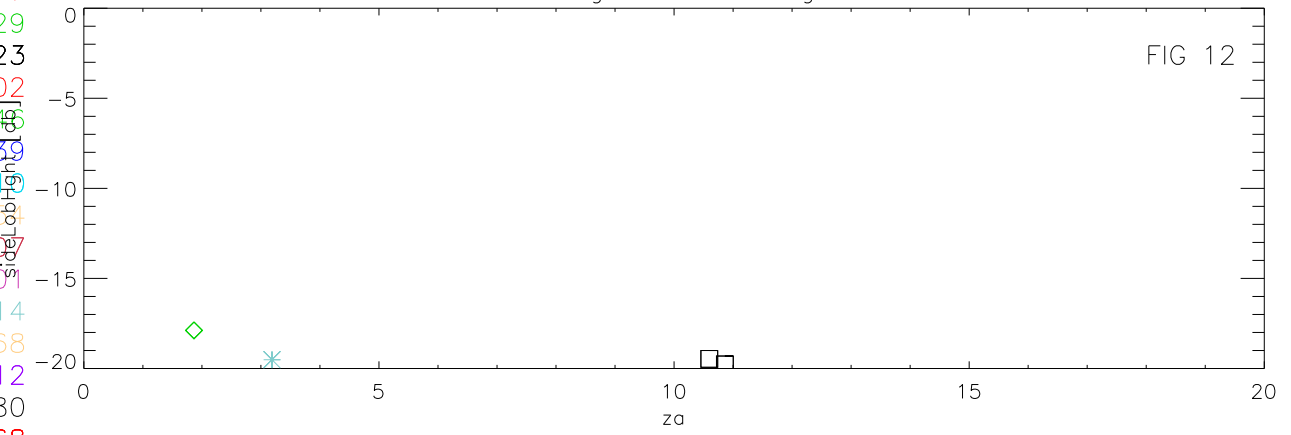
- + B0017+154
- * B0116+088
- ◇ B0127+216
- △ B0138+146
- B0518+106
- B0618+148
- × B0758+143
- + B0824+294
- * B0831+171
- ◇ B0838+133
- △ B0932+089
- B0949+287
- B1005+077
- × B1039+029
- + B1040+123
- * B1108+202
- ◇ B1117+146
- △ B1218+310
- B1312+219
- B1328+214
- × B1328+307
- + B1442+101
- * B1602+014
- ◇ B1607+268
- △ B1615+212
- B2116+180
- B2120+168
- × B2121+248
- + B2128+048
- * B2209+080

- ◇ B2249+185
- △ B2325+269
- B2329+296
- B2337+220

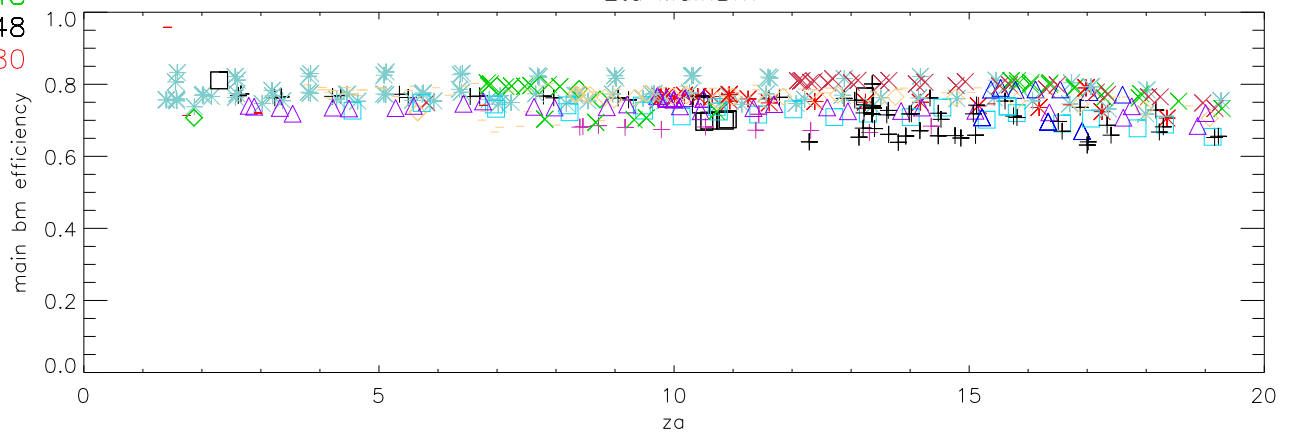


Average SideLobe Height

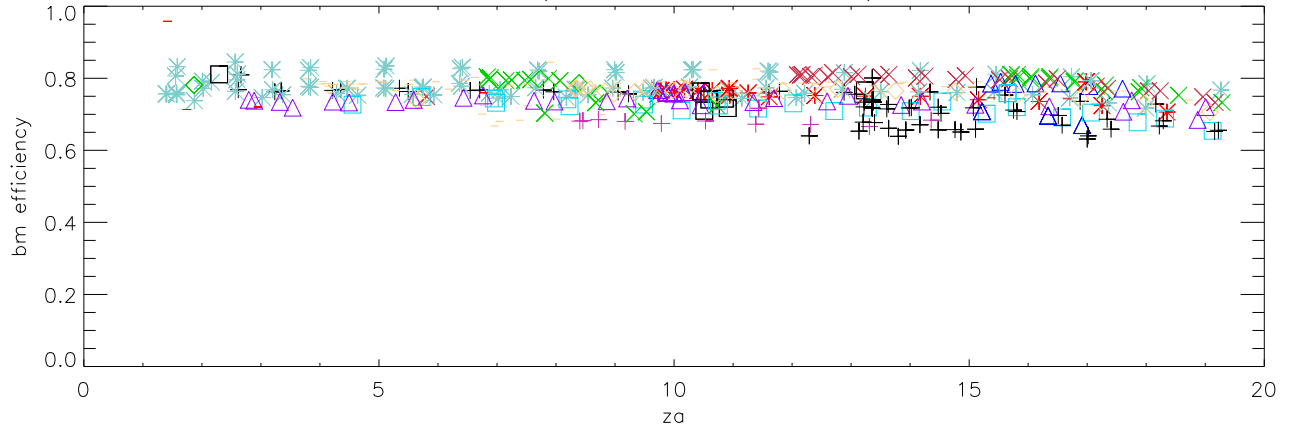
FIG 12



Eta MainBm

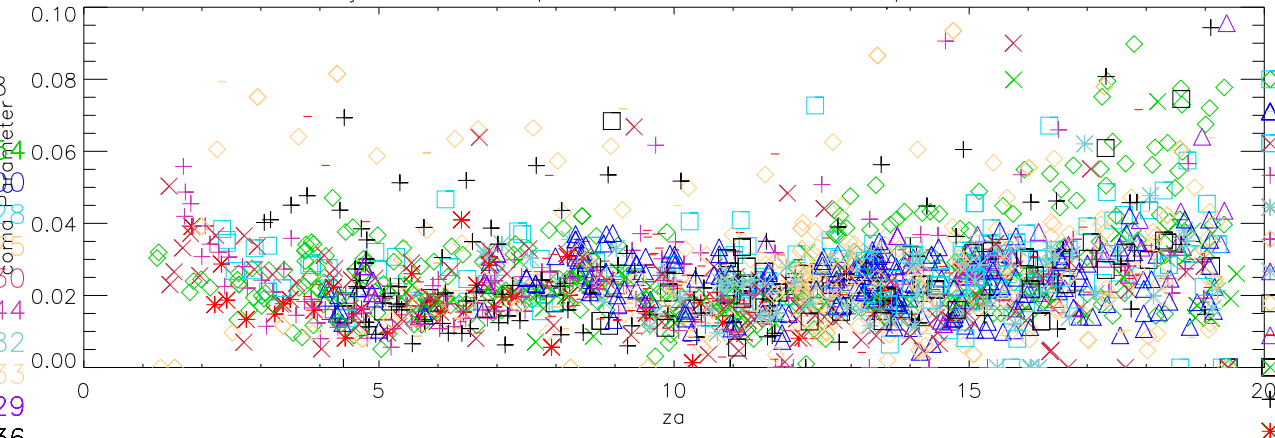


Eta (MainBm + 1st SideLobe)



01jun03 to 19sep17 1175 Mhz last 2000 pnts. Coma

- +0149+218
- *Arp220BP
- ◇B0017+114
- △B0019-000
- B0038+320
- B0049+100
- +B0106+130
- +B0109+144
- *B0116+082
- ◇B0127+233
- △B0134+329
- B0138+136
- B0221+276
- ×B0240-002
- +B0300+162
- *B0316+162
- ◇B0320+000
- △B0340+046
- B0428+200
- B0453+200
- ×B0500+000
- +B0518+165
- *B0521+281
- ◇B0540+187
- △B0600+219
- B0606+163
- B0618+145
- ×B0640+233
- +B0642+214
- *B0710+118



- ◇B0732+332
- △B0758+143
- B0825+294
- +B0856+134
- *B0858+292
- +B0932+089
- △B0850+029
- B1922+333
- +B1939+103
- ◇B1005+077
- B2049+079
- *B2046+183
- ◇B2108+202
- *B2127+248
- ◇B2140+223
- △B1153+317
- B2249+185
- +B2252+158
- *B1317+109
- +B1323+326
- △B2338+132
- B0141+138
- △B1341+144
- B1345+125
- B1442+101
- ◇B1518+046
- +B1535+139
- *B1545+210
- ◇B1547+215
- △B1607+268

Average SideLobe Height

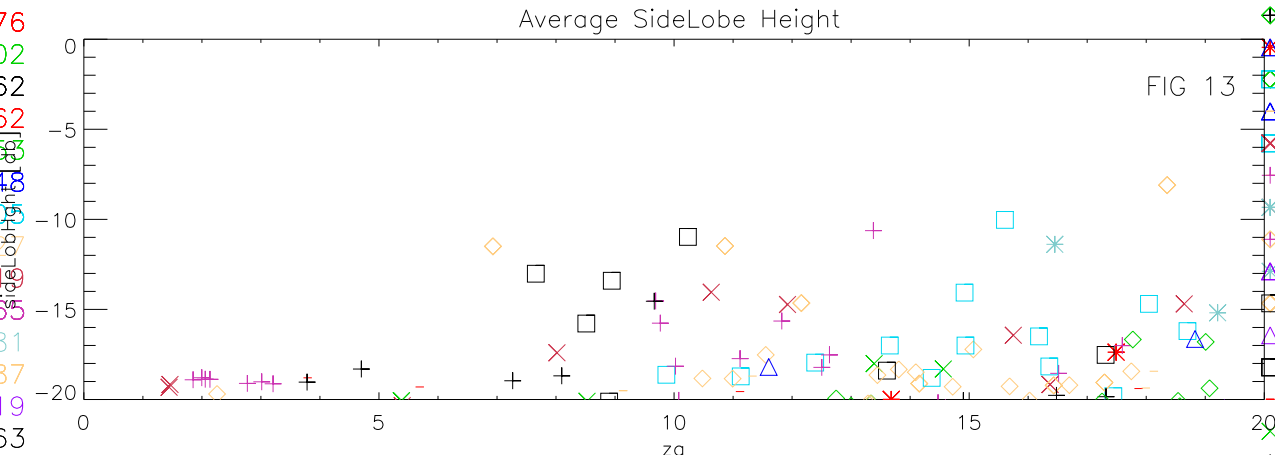
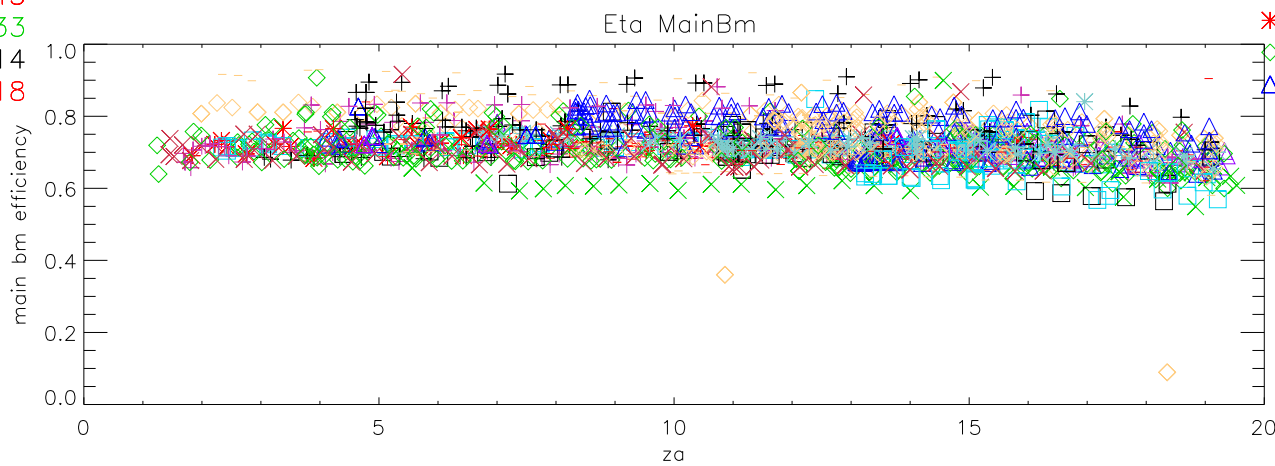
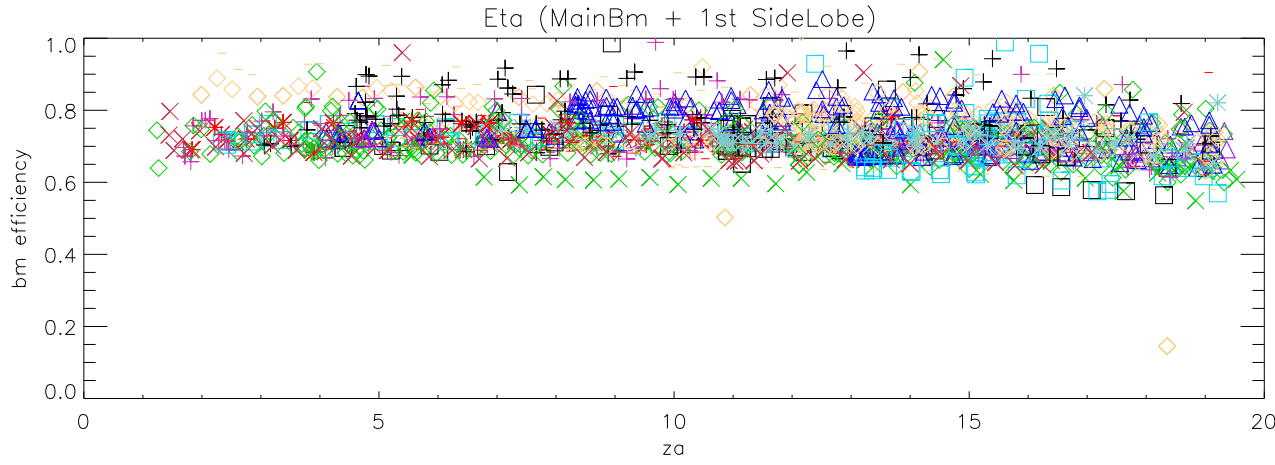


FIG 13

Eta MainBm

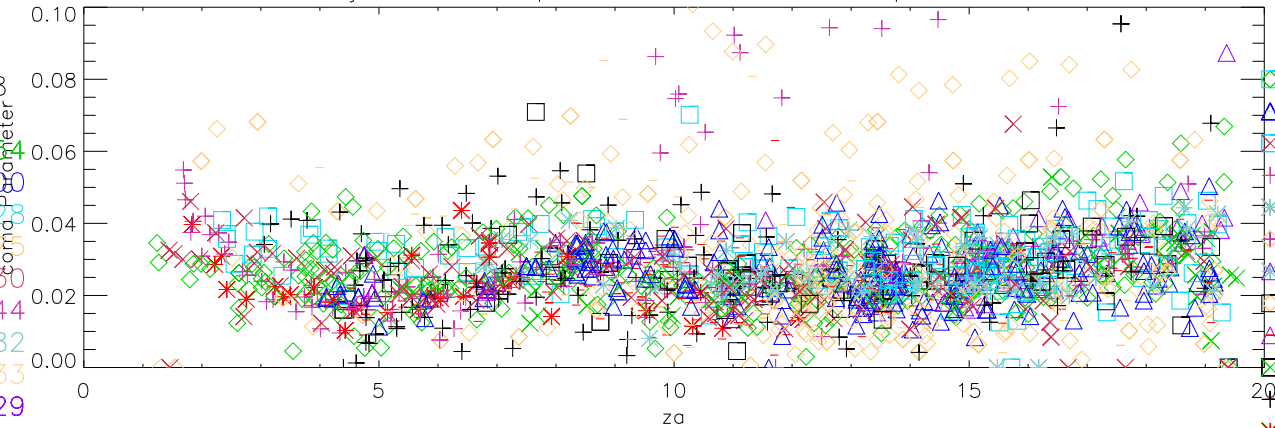


Eta (MainBm + 1st SideLobe)



01jun03 to 19sep17 1300 Mhz last 2000 pnts. Coma

- +0149+218
- *Arp220BP
- ◇B0017+114
- △B0019-060
- B0038+320
- B0049+110
- +B0106+130
- +B0109+144
- *B0116+082
- ◇B0127+233
- △B0134+329
- B0138+136
- B0221+276
- ×B0240-002
- +B0300+162
- *B0316+162
- ◇B0320+065
- △B0340+048
- B0428+200
- B0453+210
- ×B0500+019
- +B0518+165
- *B0521+281
- ◇B0540+187
- △B0600+219
- B0606+163
- B0618+145
- ×B0640+233
- +B0642+214
- *B0710+118



Average SideLobe Height

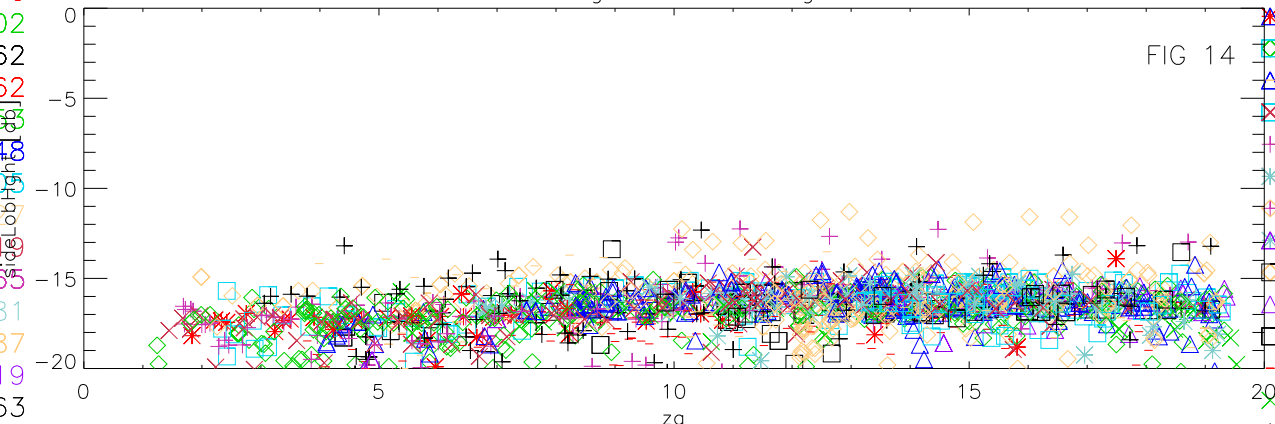
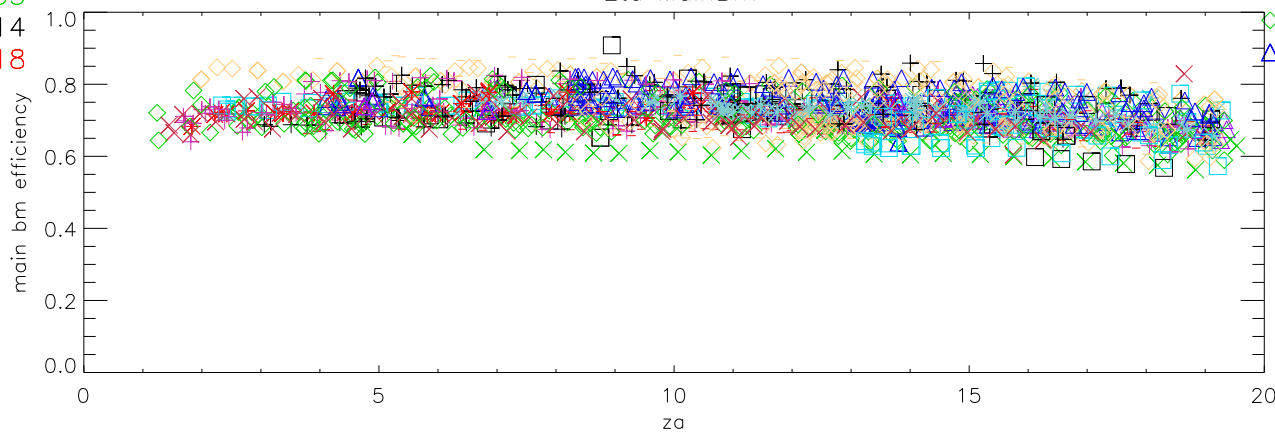
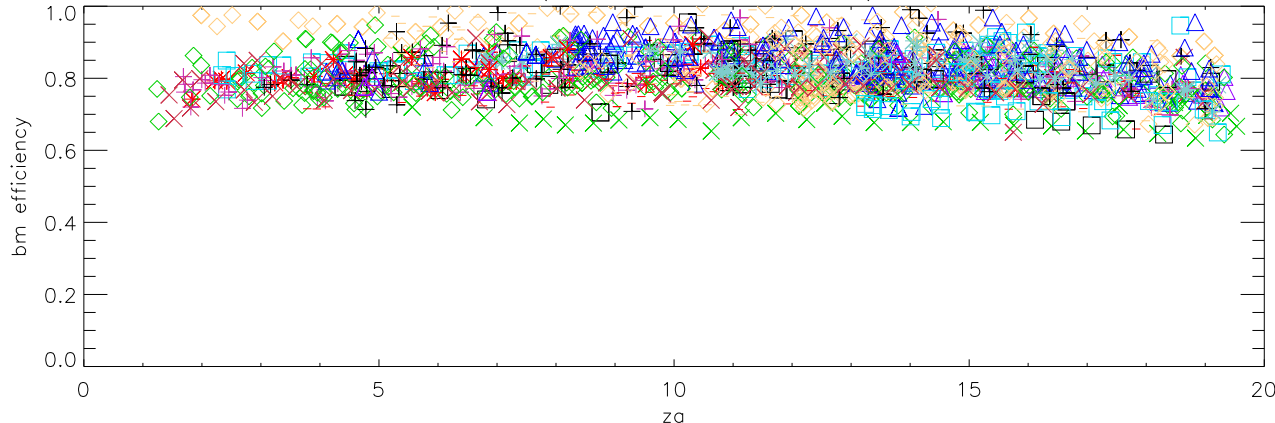


FIG 14

Eta MainBm



Eta (MainBm + 1st SideLobe)

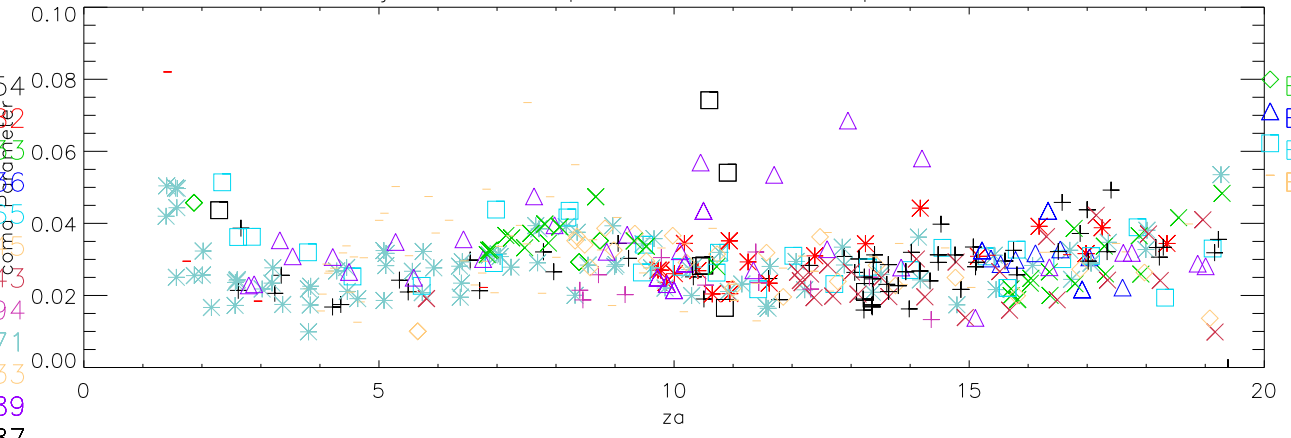


- ◇B0732+332
- △B0758+143
- B0825+294
- +B0856+134
- *B0858+292
- ◇B0932+089
- △B0850+029
- B1922+333
- +B1939+103
- ◇B1005+077
- △B2049+079
- *B2046+183
- ◇B2108+202
- *B2127+248
- ◇B2140+023
- △B1153+317
- ×B2249+185
- +B2251+158
- *B1317+179
- ◇B1323+326
- △B2338+132
- J0141+138
- △B1341+144
- B1345+125
- B1442+101
- ◇B1518+046
- +B1535+139
- *B1545+210
- ◇B1547+215
- △B1607+268

01jun03 to 19sep17 1310 Mhz 413 pnts. Coma

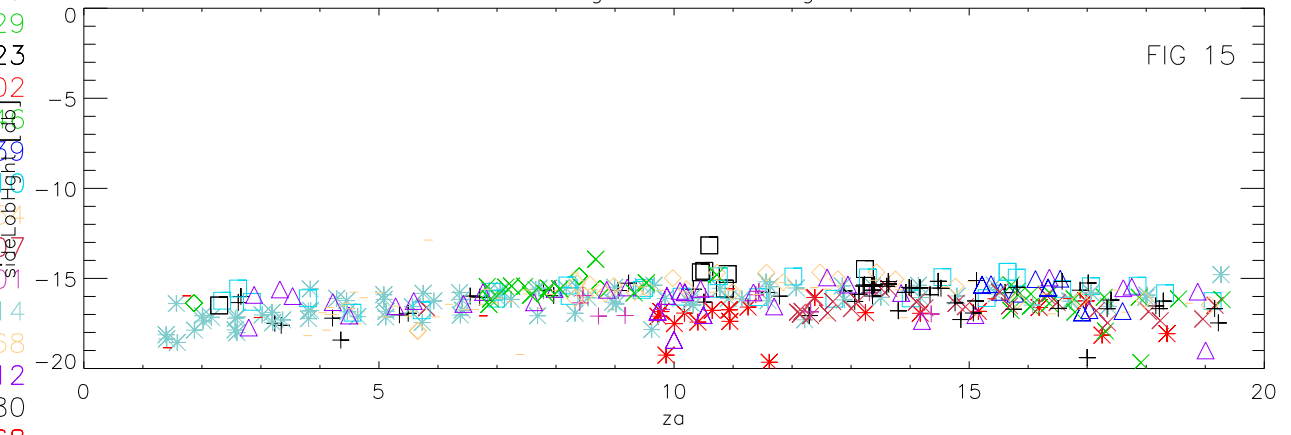
- + B0017+154
- * B0116+088
- ◇ B0127+216
- △ B0138+166
- B0518+106
- B0618+140
- × B0758+143
- + B0824+294
- * B0831+171
- ◇ B0838+133
- △ B0932+089
- B0949+287
- B1005+077
- × B1039+029
- + B1040+123
- * B1108+202
- ◇ B1117+146
- △ B1218+319
- B1312+219
- B1328+210
- × B1328+307
- + B1442+101
- * B1602+014
- ◇ B1607+268
- △ B1615+212
- B2116+180
- B2120+168
- × B2121+248
- + B2128+048
- * B2209+080

- ◇ B2249+185
- △ B2325+269
- B2329+296
- B2337+220

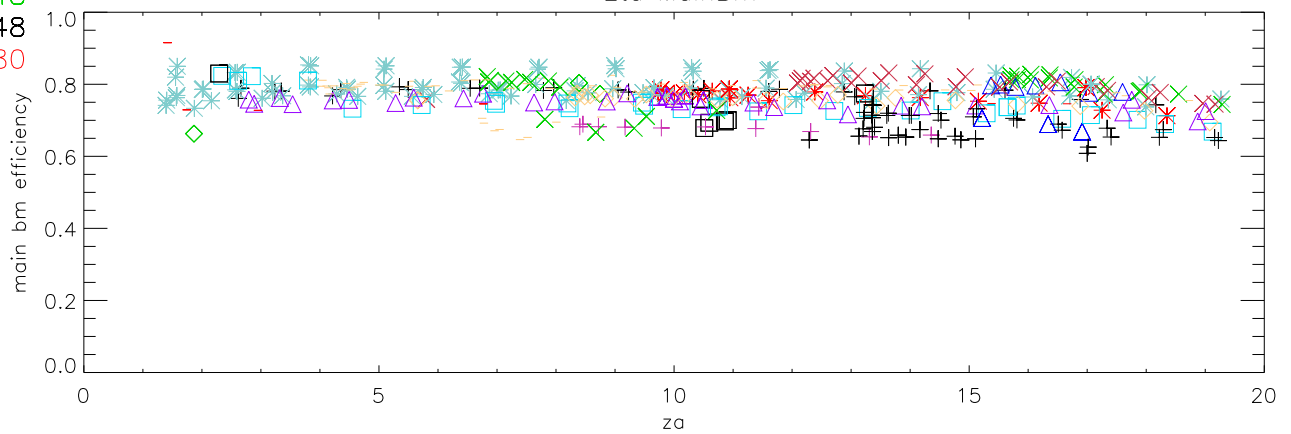


Average SideLobe Height

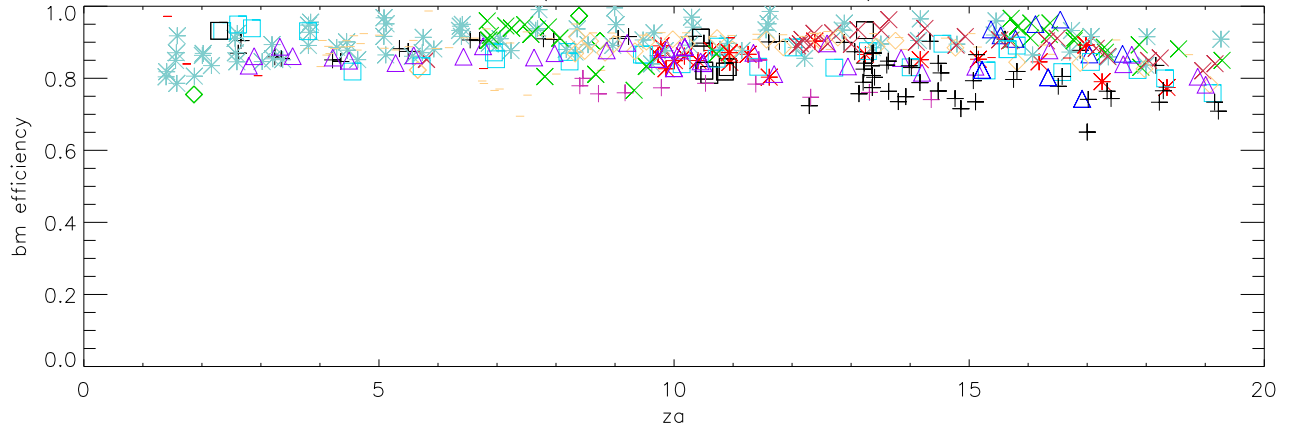
FIG 15



Eta MainBm

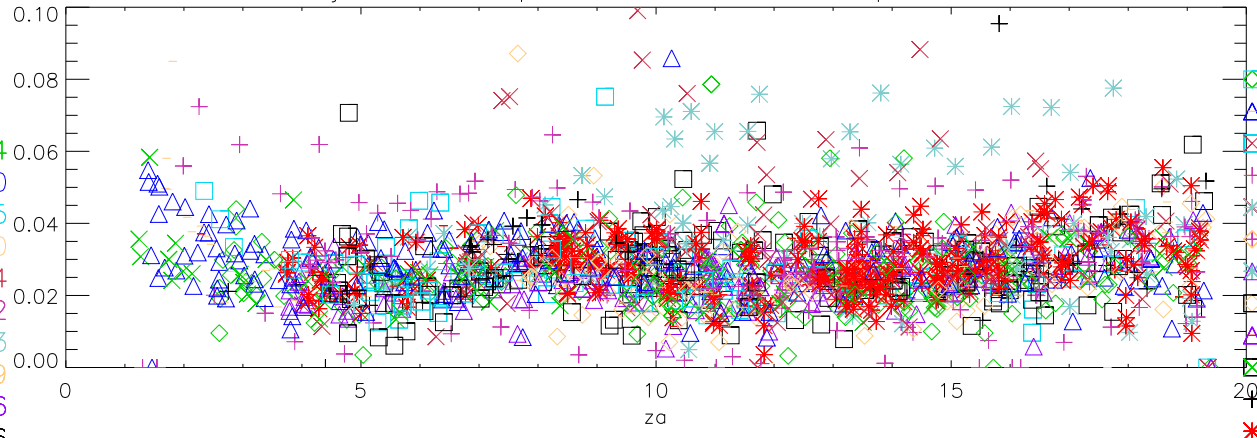


Eta (MainBm + 1st SideLobe)



01jun03 to 19sep17 1375 Mhz last 2000 pnts. Coma

- +0149+218
- *Arp220BP
- ◇B0017+114
- △B0019-060
- B0049+177
- B0106+110
- ×B0109+144
- +B0116+082
- *B0127+233
- ◇B0134+329
- △B0138+136
- B0221+276
- B0240-002
- ×B0300+162
- +B0316+162
- *B0320+053
- ◇B0340+049
- △B0428+205
- B0500+019
- B0518+169
- ×B0521+219
- +B0540+187
- *B0600+219
- ◇B0606+163
- △B0618+145
- B0640+233
- B0642+214
- ×B0710+118
- +B0732+332
- *B0758+143



Average SideLobe Height

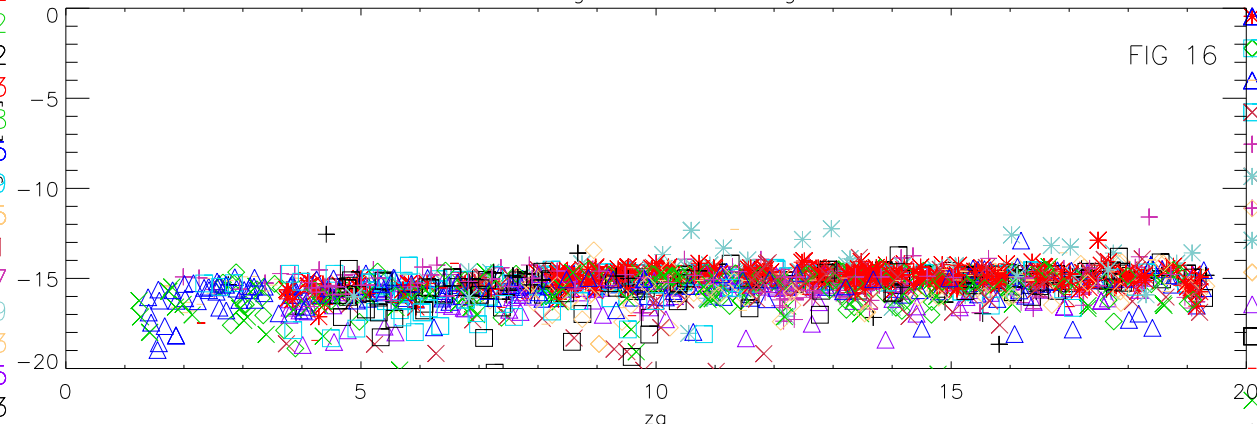
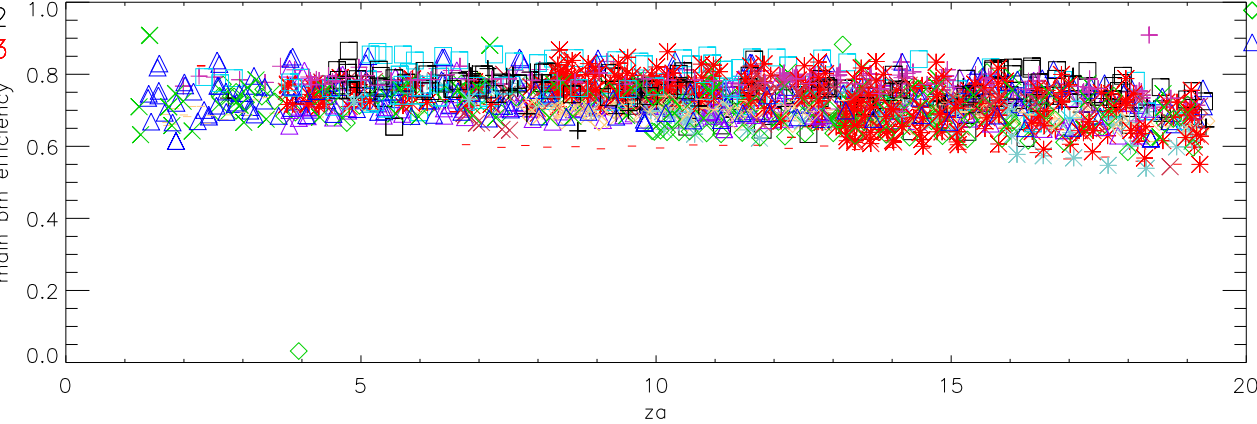
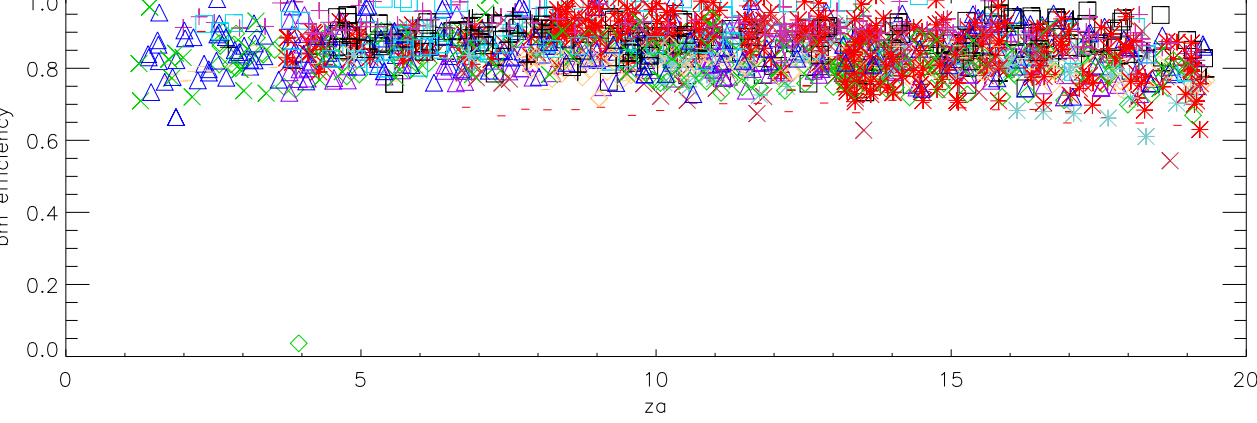


FIG 16

Eta MainBm



Eta (MainBm + 1st SideLobe)

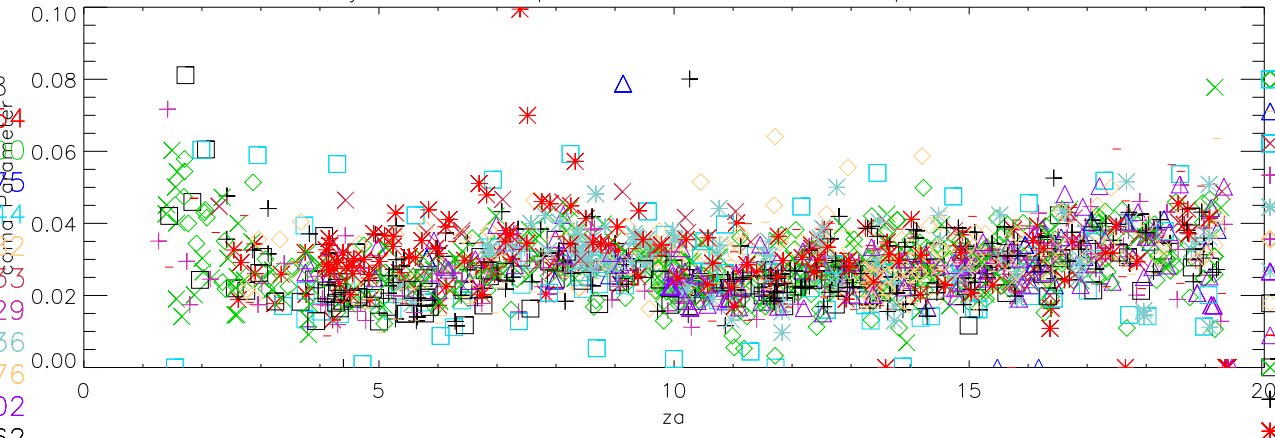


- ◇B0824+294
- △B0831+171
- B0838+098
- +B0857+129
- *B0932+089
- ◇B0940+029
- △B0930+257
- B2041+170
- ◇B2006+080
- △B2039+029
- B2020+248
- *B2108+008
- ◇B2207+086
- *B2249+285
- ◇B1153+317
- △B1218+339
- B2329+296
- +B2337+220
- *B1328+254
- +B1328+307
- *B1345+125
- ◇B1442+101
- △B1518+046
- B1535+139
- B1545+210
- ◇B1547+215
- +B1602+014
- *B1607+268
- ◇B1615+212
- △B1645+174

01jun03 to 19sep17 1415 Mhz last 2000 pnts. Coma

- +0149+218
- *B0017+154
- ◇B0019-002
- △B0049+175
- B0109+144
- B0116+082
- ×B0127+233
- +B0134+329
- *B0138+136
- ◇B0221+276
- △B0240-002
- B0316+162
- B0320+053
- ×B0340+048
- +B0428+205
- *B0500+019
- ◇B0518+163
- △B0521+203
- B0540+103
- B0600+203
- ×B0606+103
- +B0618+145
- *B0640+233
- ◇B0710+118
- △B0732+332
- B0758+143
- B0824+294
- ×B0831+171
- +B0838+133
- *B0858+292

- ◇B0932+089
- △B0940+029
- B0946+280
- +B2020+068
- *B21039+029
- B21046+023
- △B2209+080
- B2247+140
- B2249+185
- ◇B2325+369
- *B2329+296
- ◇B2337+220
- ◇B2338+322
- *B1328+254
- ◇B1328+307
- △B1345+125
- B1442+101
- B1535+139
- ×B1545+210
- +B1602+014
- *B1607+268
- ◇B1615+212
- △B1638+124
- B1641+173
- B1645+174
- ◇B1756+134
- +B1829+290
- *B1843+098
- ◇B1857+129
- △B1922+333



Average SideLobe Height

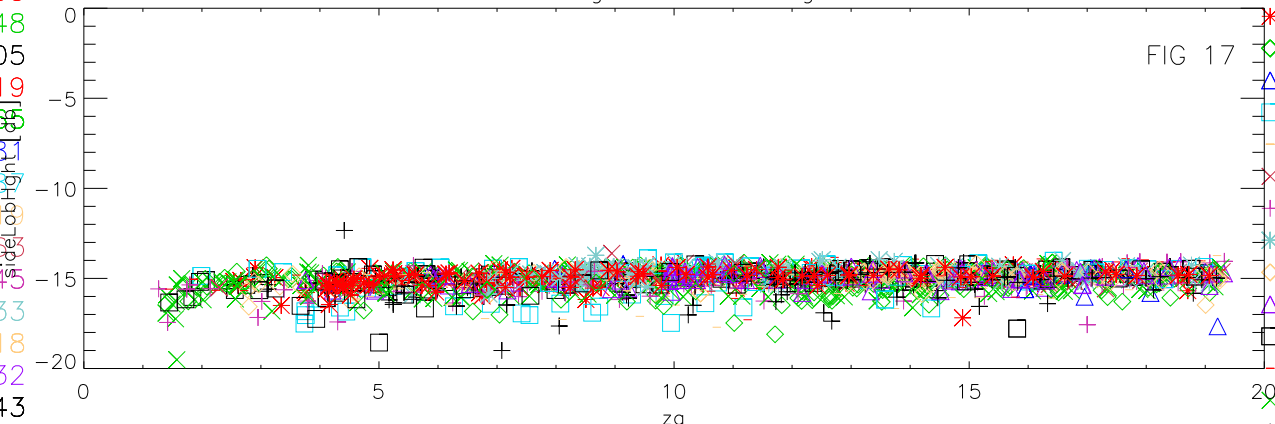
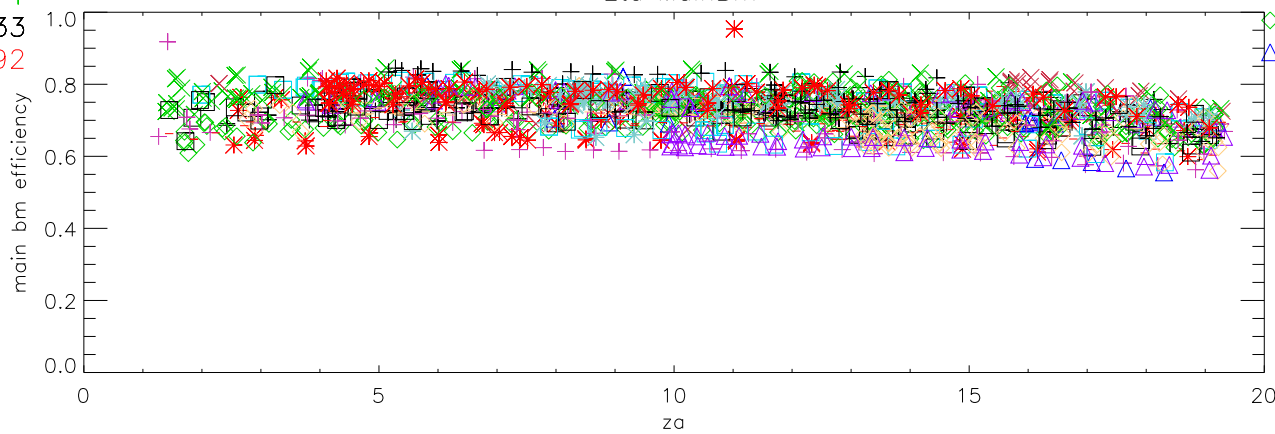
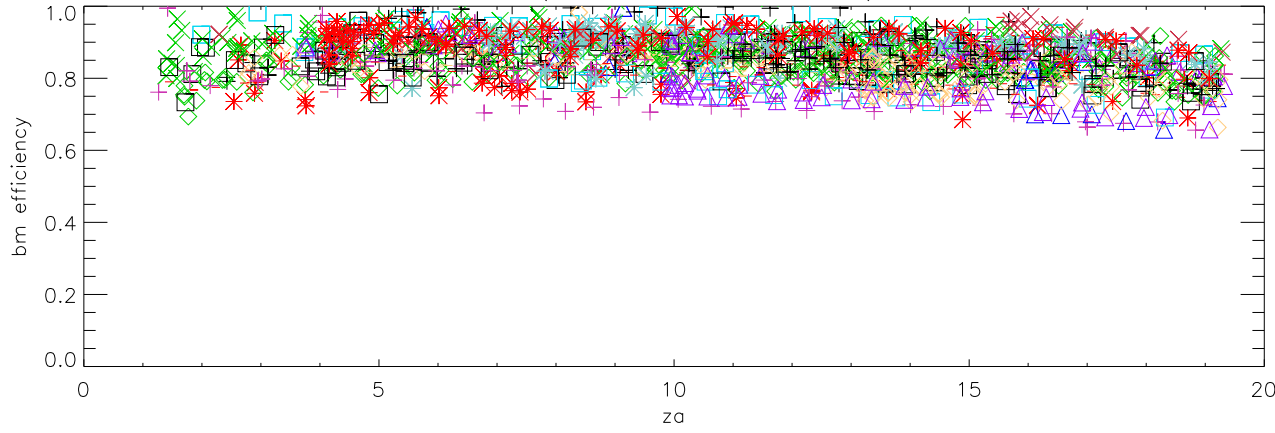


FIG 17

Eta MainBm

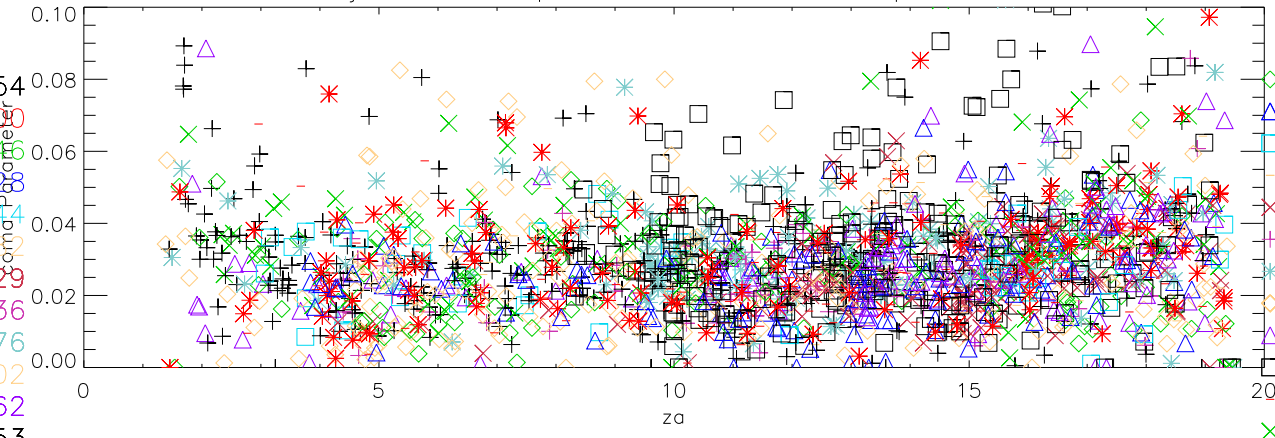


Eta (MainBm + 1st SideLobe)



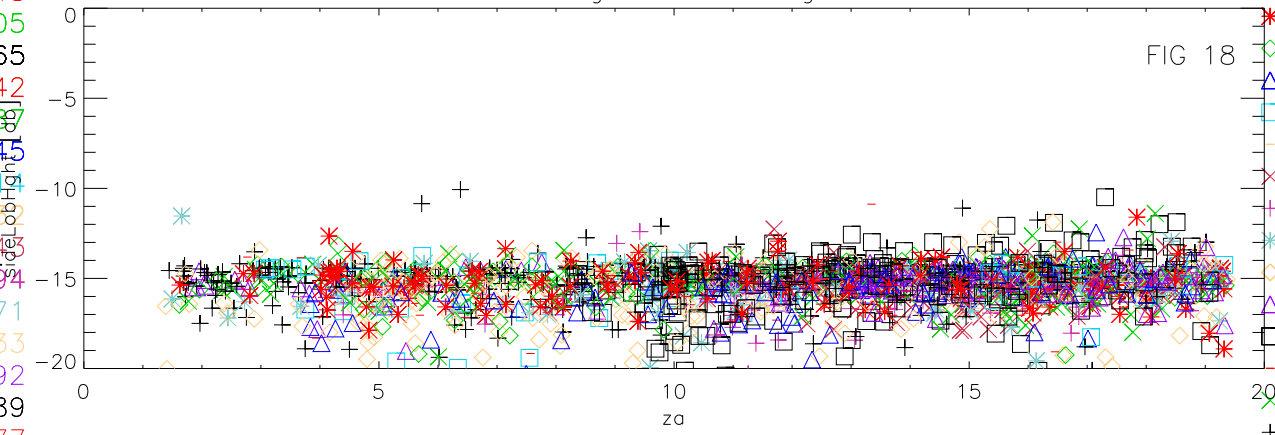
01jun03 to 19sep17 1550 Mhz last 2000 pnts. Coma

- + B0017+154
- * B0019-009
- ◇ B0026+348
- △ B0038+328
- B0109+144
- B0116+082
- × B0134+329
- + B0138+136
- * B0221+276
- ◇ B0240-002
- △ B0316+162
- B0320+053
- B0340+048
- × B0428+205
- + B0518+165
- * B0534+342
- ◇ B0540+187
- △ B0618+145
- B0642+214
- B0732+332
- × B0758+145
- + B0824+294
- * B0831+171
- ◇ B0838+133
- △ B0858+292
- B0932+089
- B1005+077
- × B1039+029
- + B1040+123
- * B1117+146

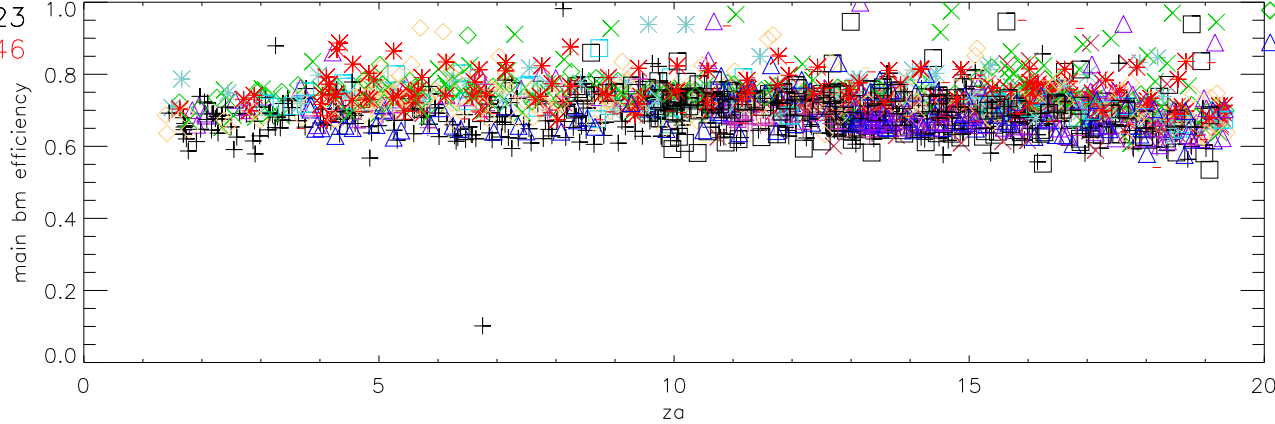


- ◇ B1140+223
- △ B1153+317
- B1218+339
- B1328+255
- × B1328+307
- + B1345+125
- * B1442+101
- ◇ B1535+139
- △ B1602+014
- B1607+268
- B1615+212
- × B1638+124
- + B1641+173
- * B1645+174
- ◇ B1756+134
- △ B1829+290
- B1843+098
- B1922+333
- × B1939+103
- + B2041+170
- * B2116+180
- ◇ B2120+168
- △ B2128+048
- B2209+080
- B2247+140
- × B2249+185
- + B2329+296
- * B2337+220
- ◇ B2338+132
- △ J0725+144

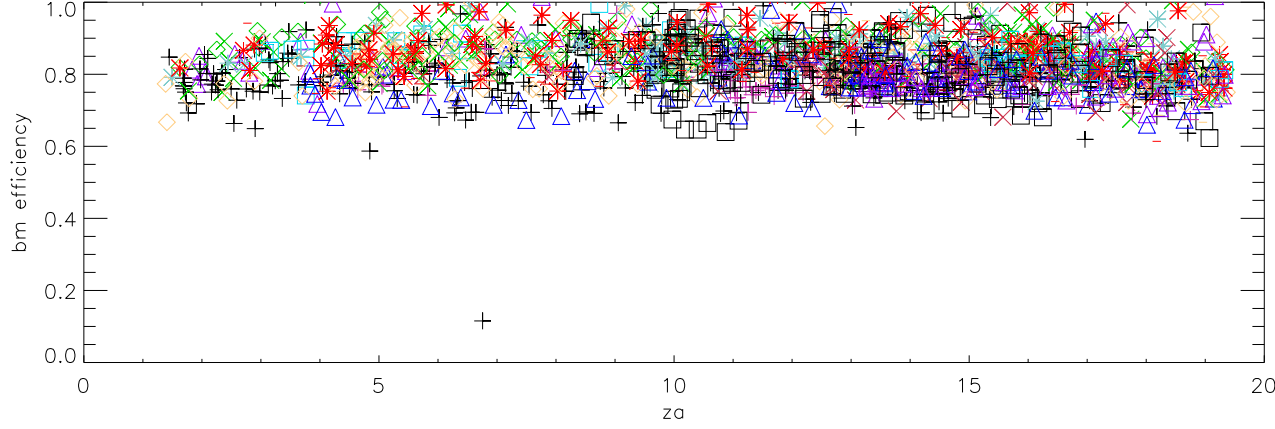
Average SideLobe Height



Eta MainBm



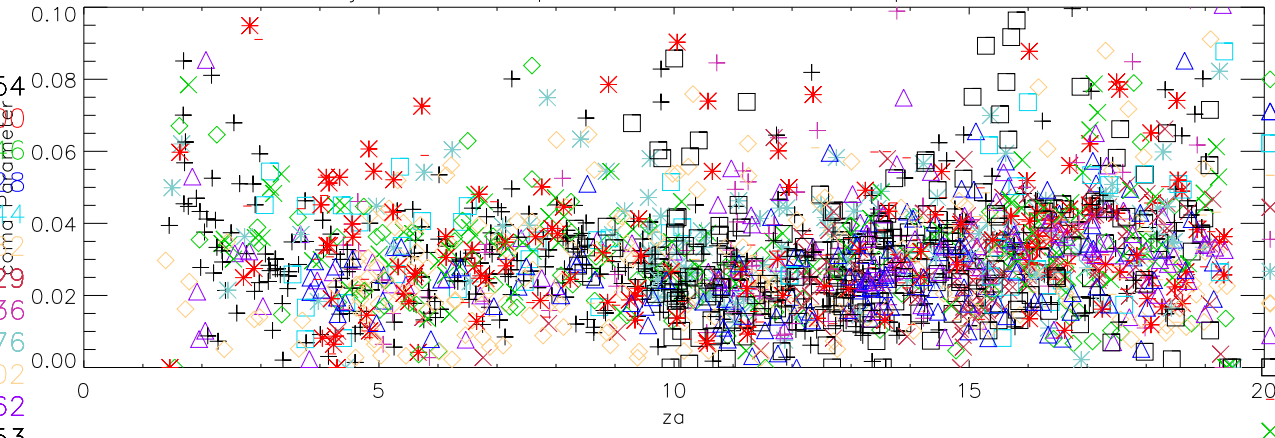
Eta (MainBm + 1st SideLobe)



01jun03 to 19sep17 1610 Mhz last 2000 pnts. Coma

- + B0017+154
- * B0019-009
- ◇ B0026+348
- △ B0038+328
- B0109+144
- B0116+088
- × B0134+329
- + B0138+136
- * B0221+276
- ◇ B0240-002
- △ B0316+162
- B0320+053
- B0340+048
- × B0428+205
- + B0518+165
- * B0534+342
- ◇ B0540+187
- △ B0618+145
- B0642+214
- B0732+302
- × B0758+145
- + B0824+294
- * B0831+171
- ◇ B0838+133
- △ B0858+292
- B0932+089
- B1005+077
- × B1039+029
- + B1040+123
- * B1117+146

- ◇ B1140+223
- △ B1153+317
- B1218+339
- B1328+255
- × B1328+307
- + B1345+125
- * B1442+101
- ◇ B1535+139
- △ B1602+014
- B1607+268
- B1615+212
- × B1638+124
- + B1641+173
- * B1645+174
- ◇ B1756+134
- △ B1829+290
- B1843+098
- B1922+333
- × B1939+103
- + B2041+170
- * B2116+180
- ◇ B2120+168
- △ B2128+048
- B2209+080
- B2247+140
- × B2249+185
- + B2329+296
- * B2337+220
- ◇ B2338+132
- △ J0725+144



Average SideLobe Height

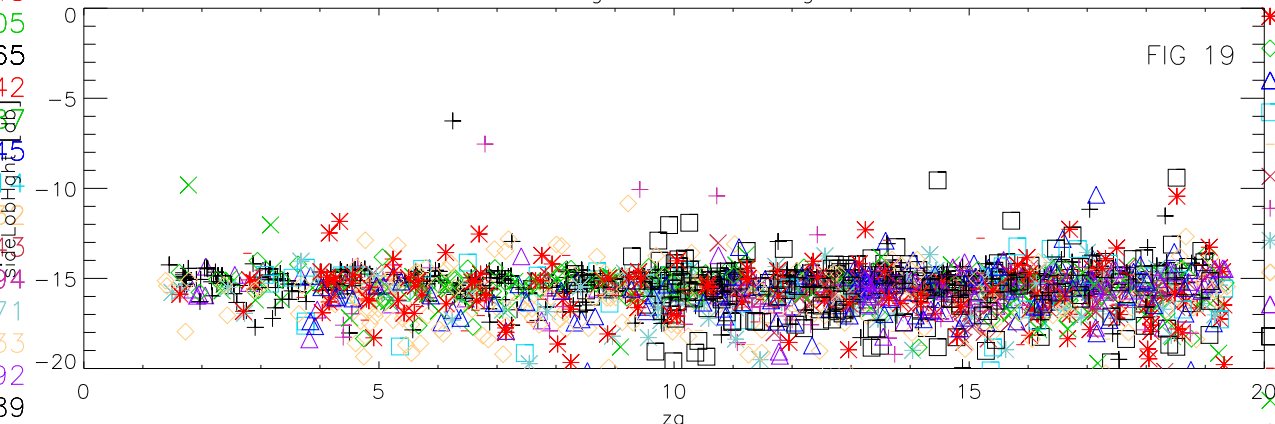
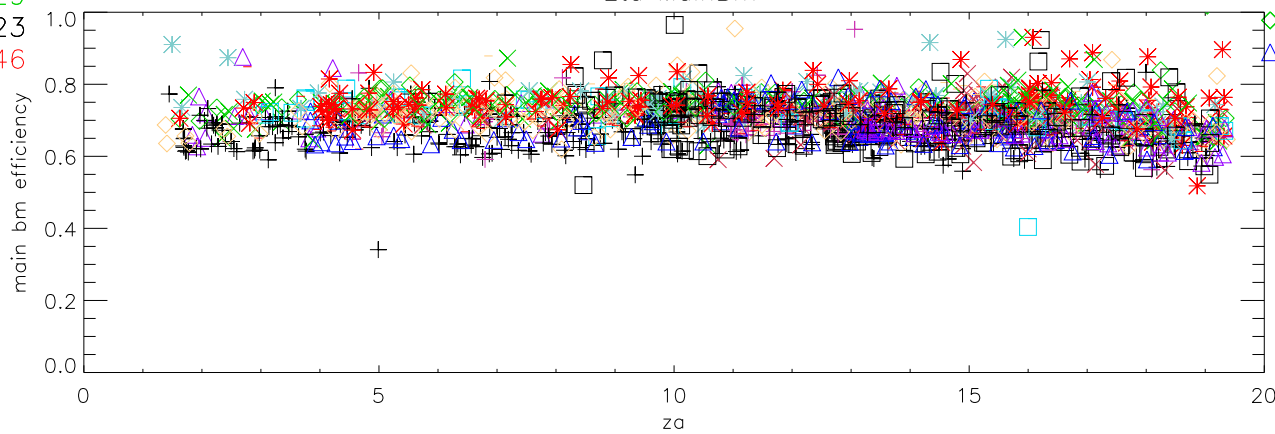
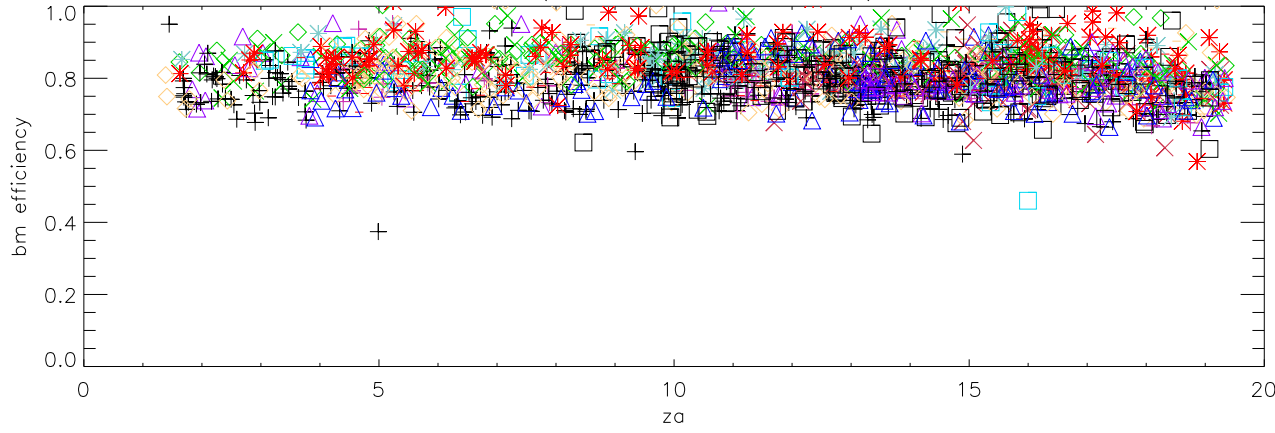


FIG 19

Eta MainBm



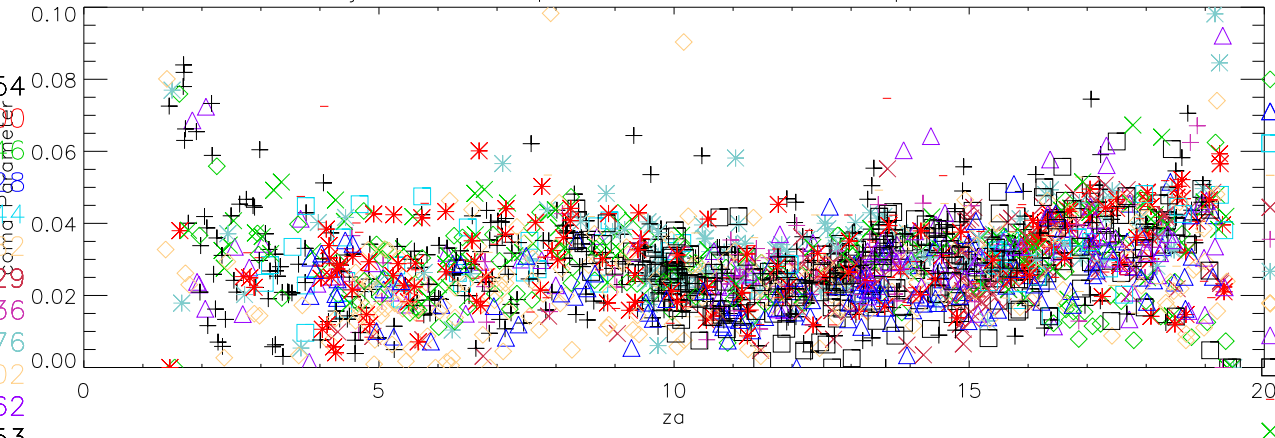
Eta (MainBm + 1st SideLobe)



01jun03 to 19sep17 1666 Mhz last 2000 pnts. Coma

- + B0017+154
- * B0019-009
- ◇ B0026+346
- △ B0038+328
- B0109+144
- B0116+088
- × B0134+329
- + B0138+136
- * B0221+276
- ◇ B0240-002
- △ B0316+162
- B0320+053
- B0340+048
- × B0428+205
- + B0518+165
- * B0534+342
- ◇ B0540+187
- △ B0618+145
- B0642+214
- B0732+302
- × B0758+145
- + B0824+294
- * B0831+171
- ◇ B0838+133
- △ B0858+292
- B0932+089
- B1005+077
- × B1039+029
- + B1040+123
- * B1117+146

- ◇ B1140+223
- △ B1153+317
- B1218+339
- B1328+255
- × B1328+307
- + B1345+125
- * B1442+101
- ◇ B1535+139
- △ B1602+014
- B1607+268
- B1615+212
- × B1638+124
- + B1641+173
- * B1645+174
- ◇ B1756+134
- △ B1829+290
- B1843+098
- B1922+333
- × B1939+103
- + B2041+170
- * B2116+180
- ◇ B2120+168
- △ B2128+048
- B2209+080
- B2247+140
- × B2249+185
- + B2329+296
- * B2337+220
- ◇ B2338+132
- △ J0725+144



Average SideLobe Height

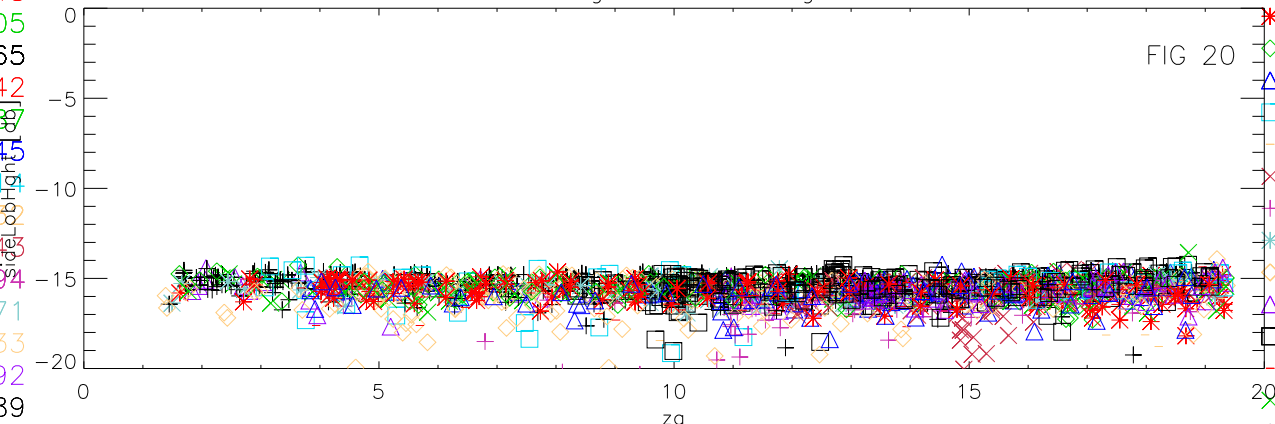
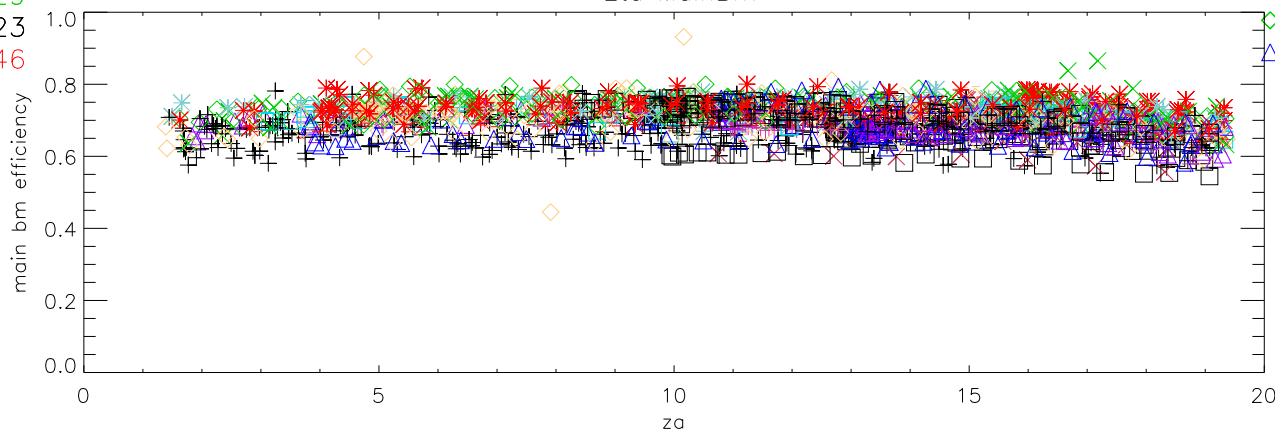


FIG 20

Eta MainBm



Eta (MainBm + 1st SideLobe)

