time (s) theta (A) maj axis/z0 min axis/z0 crossing#mod 255

2995.803492 154.512039 -0.969996 -0.075151 43

2997.861208 156.328812 -0.889892 -0.069245 45

2999.926111 156.123398 -0.813311 -0.063714 47

3001.997133 155.244232 -0.751350 -0.059809 49

3004.068307 154.831528 -0.693516 -0.056522 51

3006.135558 154.915833 -0.639490 -0.053021 53

3008.201099 155.135681 -0.588098 -0.049113 55

3010.263135 155.405518 -0.541176 -0.044875 57

3012.321780 155.354019 -0.498299 -0.040946 59