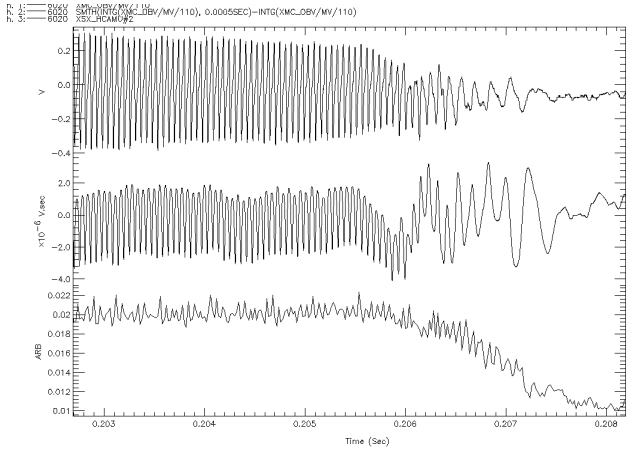
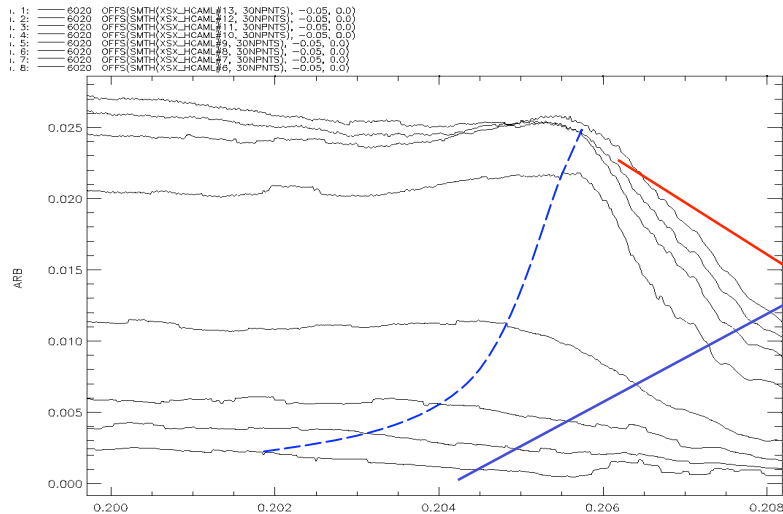


Two different Locked Modes on MAST: first type

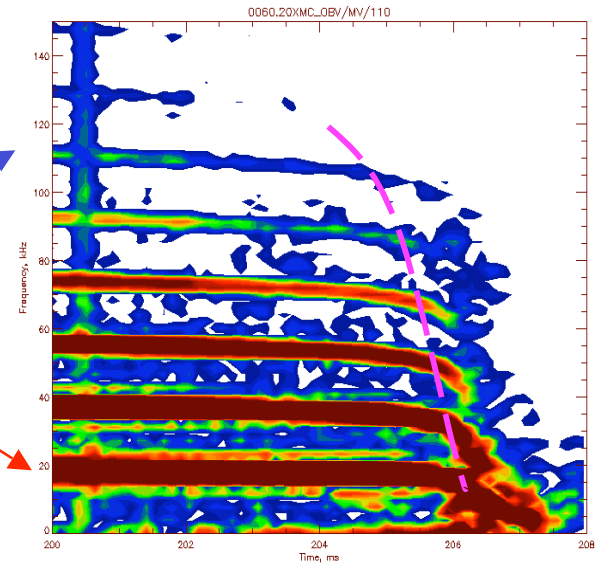


- In shot #6020 mode locking was probably caused by error fields (as the mode amplitude grows and mode locks at the “expected” toroidal position)
- is this an island?

Shot # 6020. Non-integrated outboard Mirnov, integrated outboard Mirnov and SXR HCAMU2

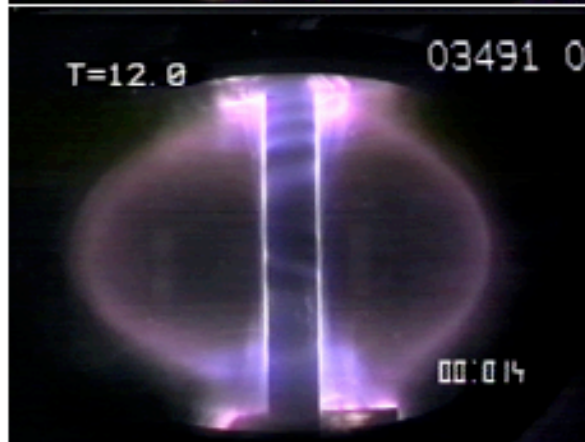
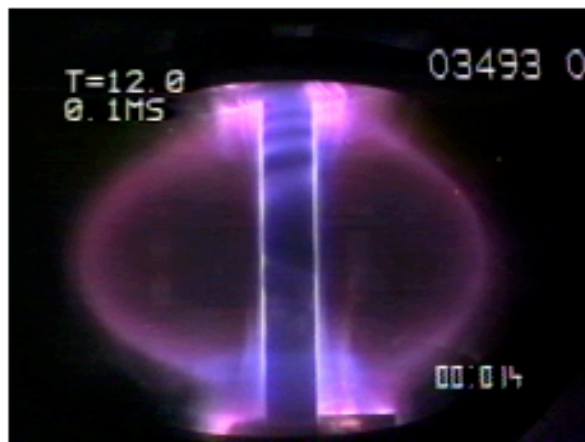


Shot # 6020. Vertical SXR signals, showing that decrease in SXR starts from periphery (higher harmonics).

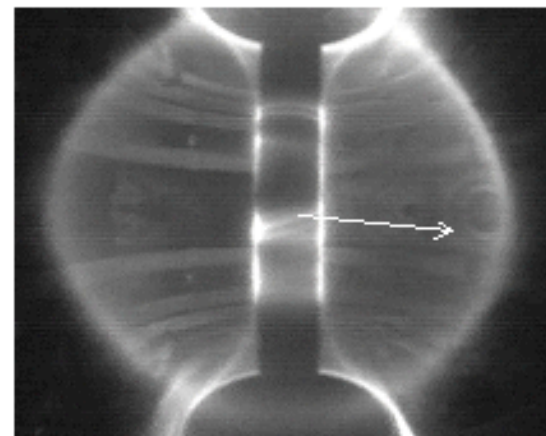
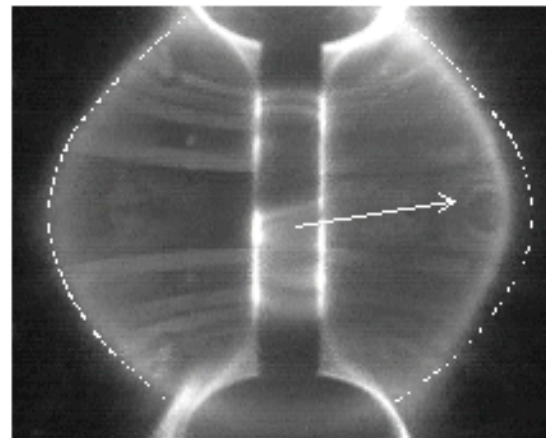


Spectrogram of outboard Mirnov

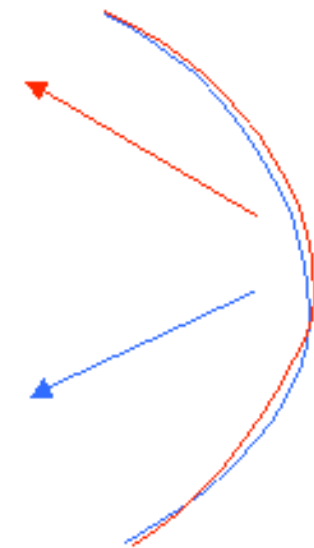
KINK PERTURBATION IN START AND MAST



START



MAST



Plasma edge contour
#2562, $t=43.5$ and
 45.7ms shows $m = 2$
MAST