

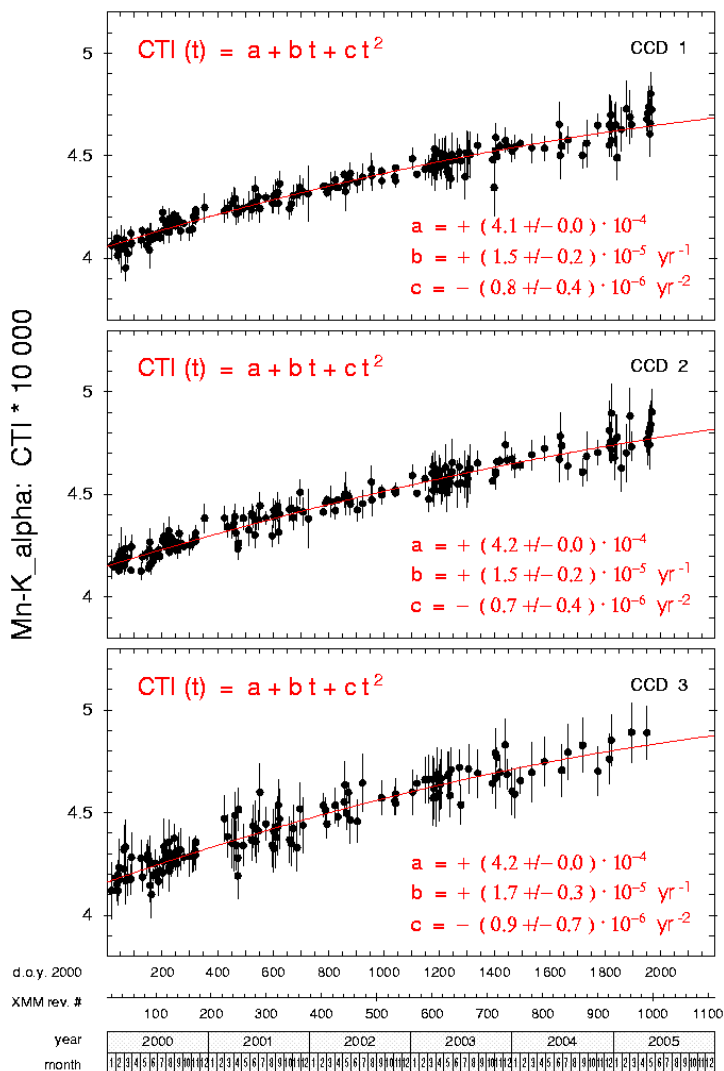


Long-term behaviour of the CTL. for EPICpn

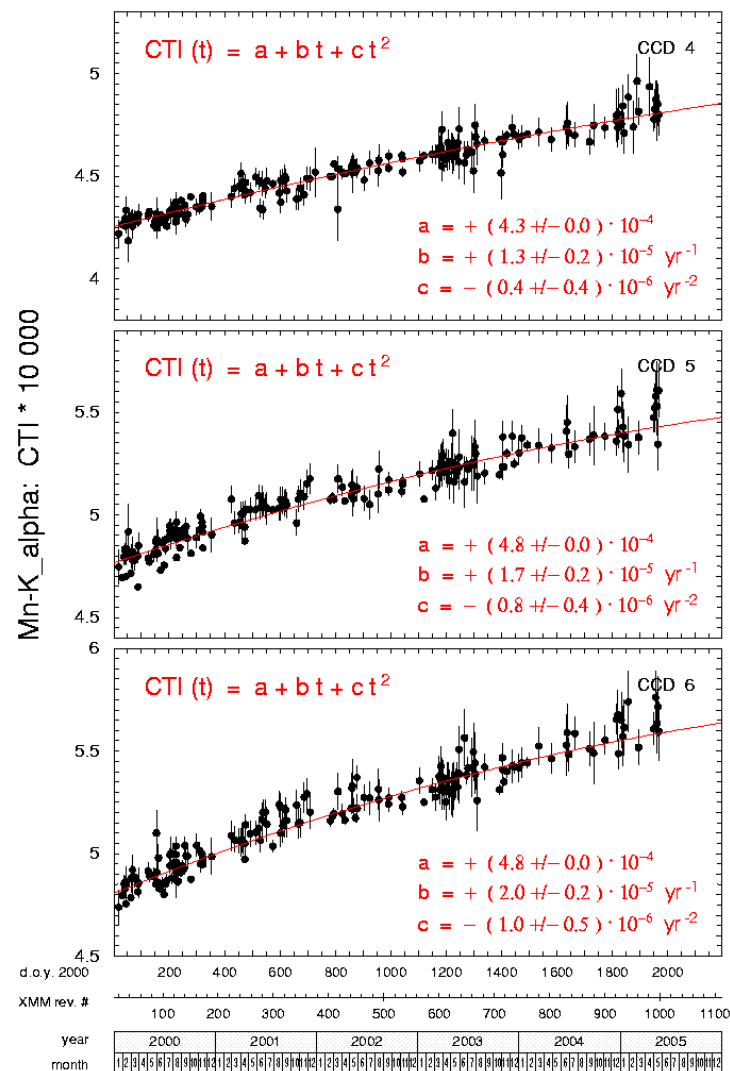
# FF Mn-K CTI CCD 1 - 6

kod - EPIC pn performance monitor : pkpos7/kod MPE Offline Analysis pkpos7\_ff\_rmnk\_01-03.ps ( ), 8-Jun-05 / 12:05:30, P 1 kod - EPIC pn performance monitor : pkpos7/kod MPE Offline Analysis pkpos7\_ff\_rmnk\_04-06.ps ( ), 8-Jun-05 / 12:05:30, P 1

XMM - Newton / EPIC pn internal calibration source



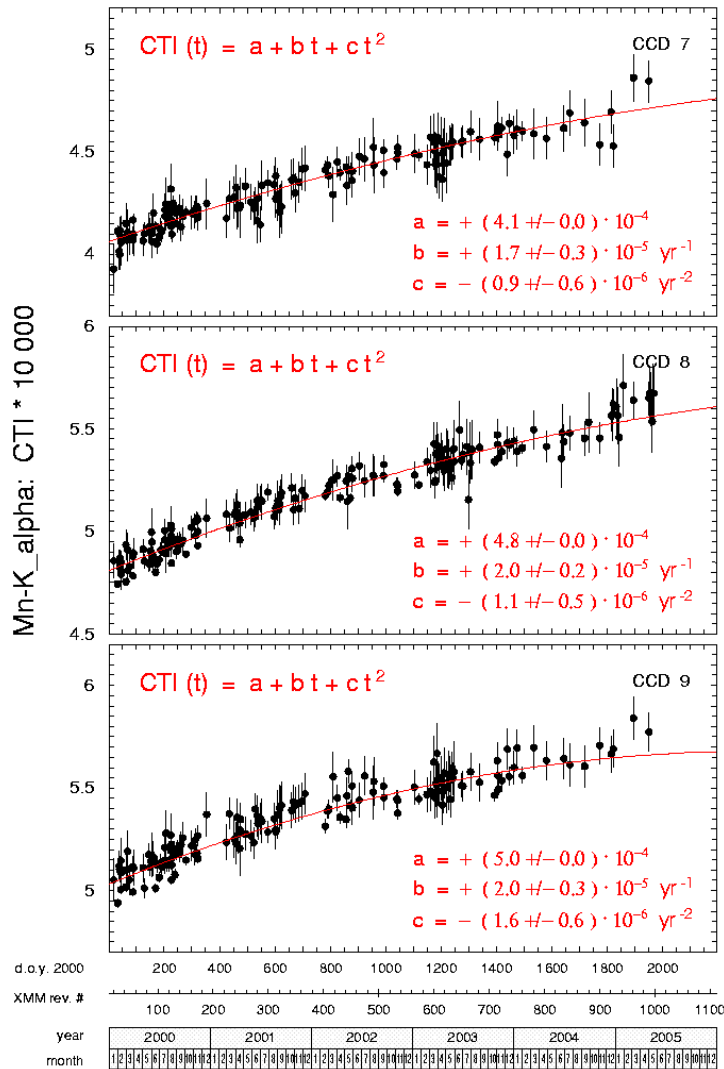
XMM - Newton / EPIC pn internal calibration source



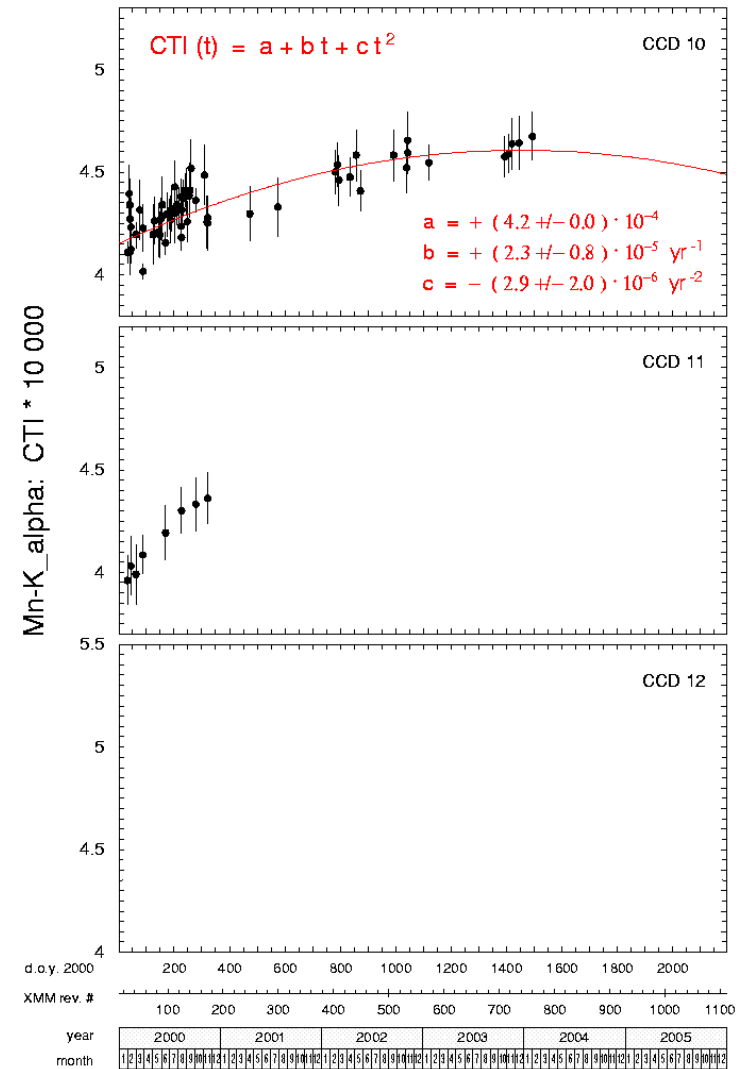
# FF Mn-K CTI CCD 7 - 12

kod - EPIC pn performance monitor : pkpos7/kod MPE Offline Analysis pkpos7\_ff\_rmnk\_07-09.ps ( ), 8-Jun-05 / 12:05:30, P. 1 kod - EPIC pn performance monitor : pkpos7/kod MPE Offline Analysis pkpos7\_ff\_rmnk\_10-12.ps ( ), 8-Jun-05 / 12:05:30, P. 1

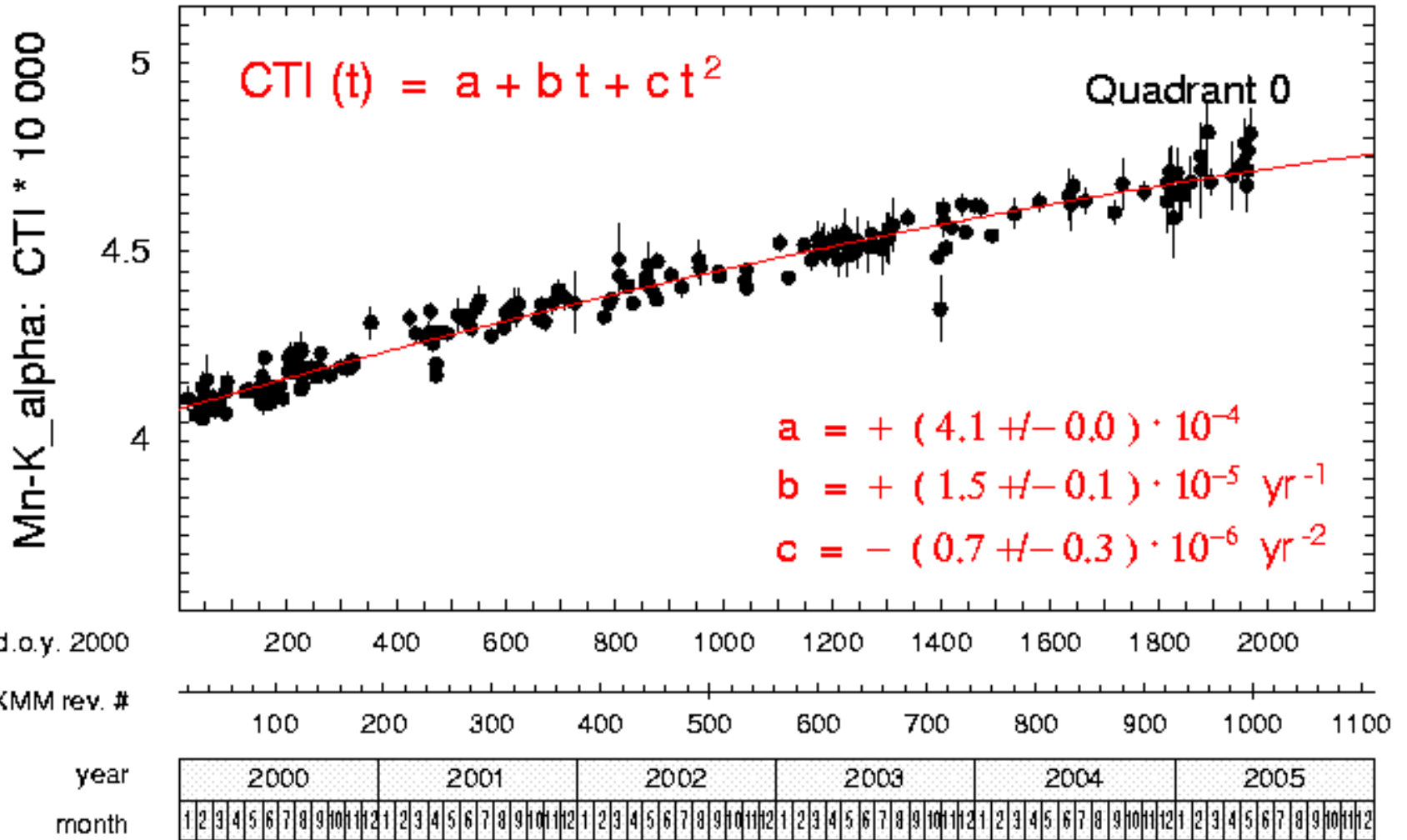
XMM - Newton / EPIC pn internal calibration source



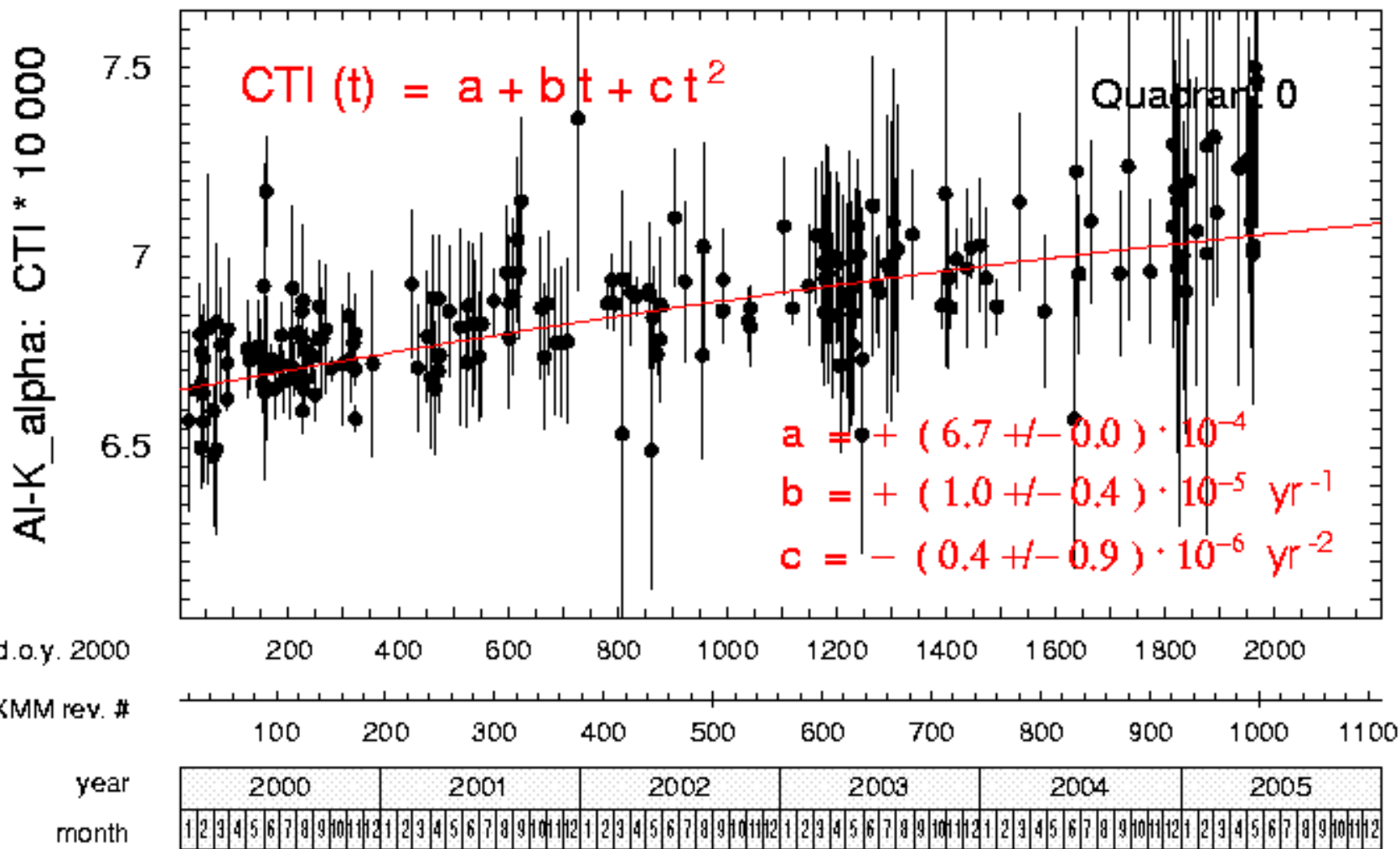
XMM - Newton / EPIC pn internal calibration source



# FF Mn-K CTI Quadrant 0



# FF AI-K CTI Quadrant 0

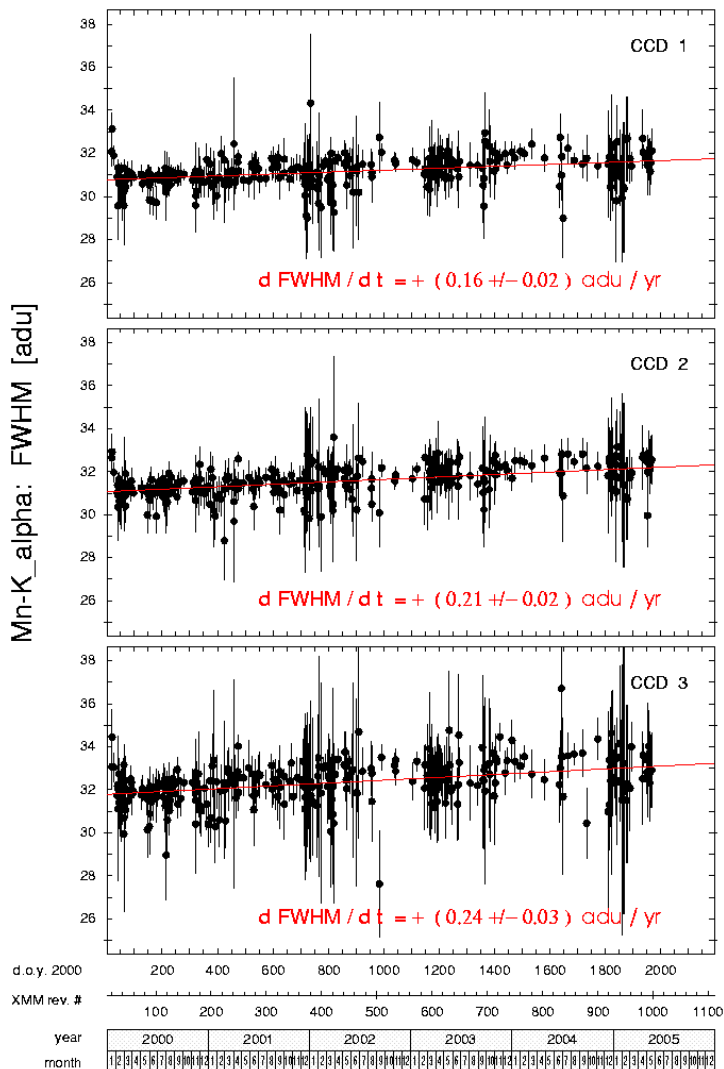


# FF Mn-K FWHM CCD 1 - 6

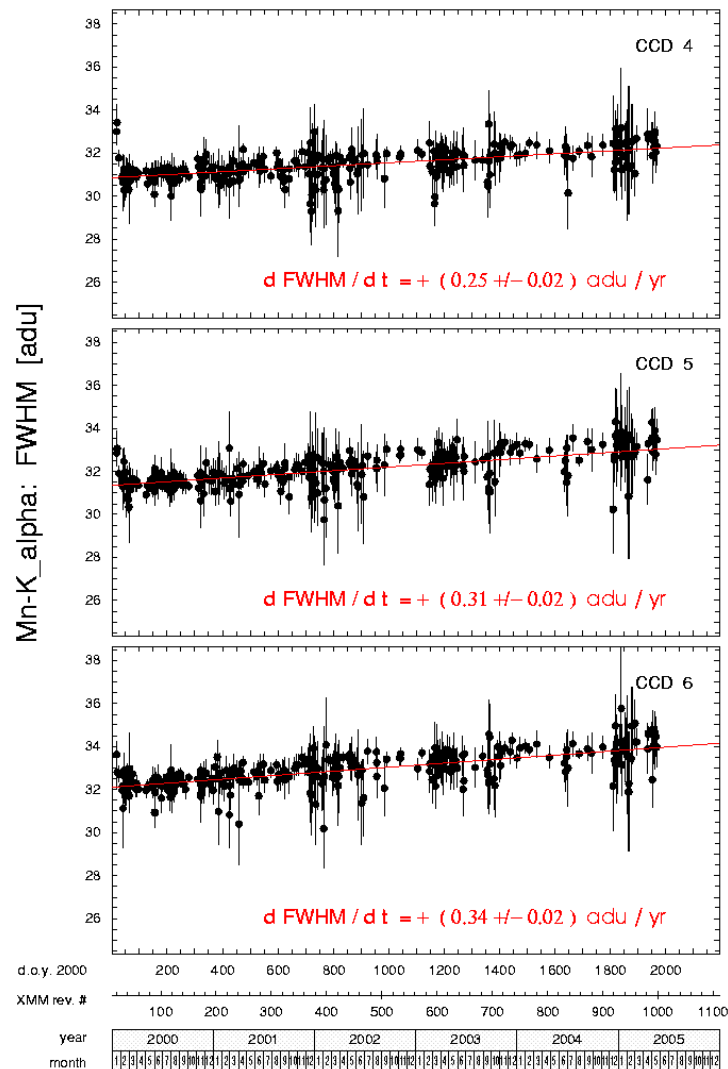
kod - EPIC pn performance monitor : pkpos2/kod MPE Off peak 2 yrs\_mnk\_01-03.ps (peak positions), 8-Jun-05 / 14:41:33, P 1

kod - EPIC pn performance monitor : pkpos2/kod MPE Off peak 2 yrs\_mnk\_04-06.ps (peak positions), 8-Jun-05 / 14:41:33, P 1

XMM - Newton / EPIC pn internal calibration source



XMM - Newton / EPIC pn internal calibration source

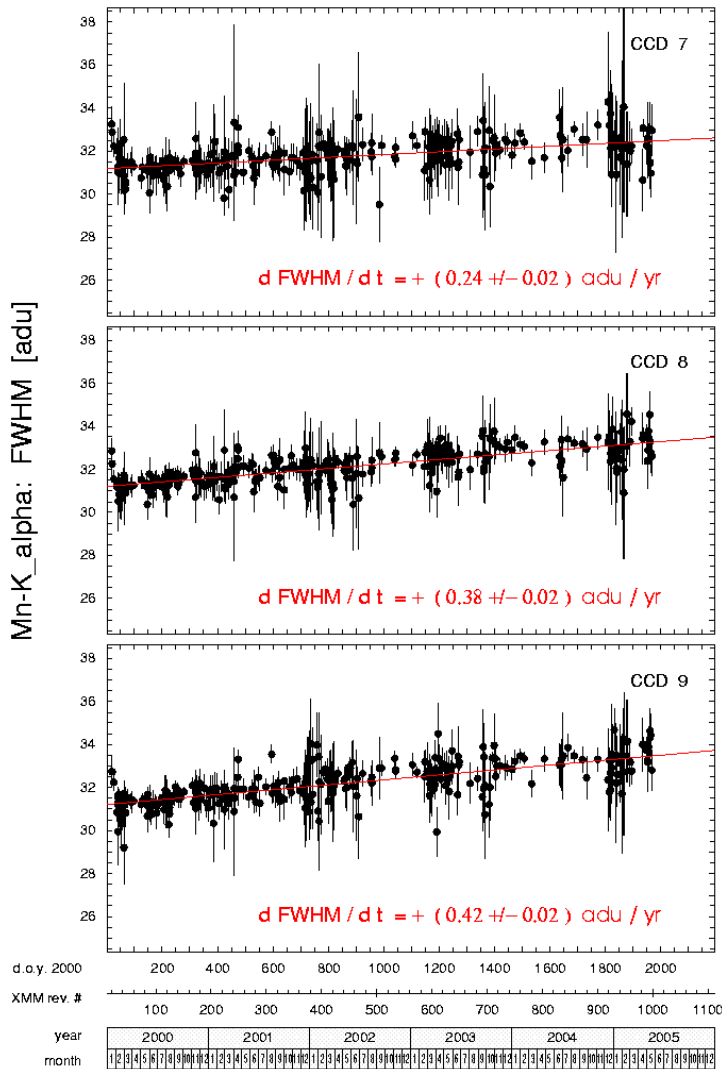


# FF Mn-K FWHM CCD 7 - 12

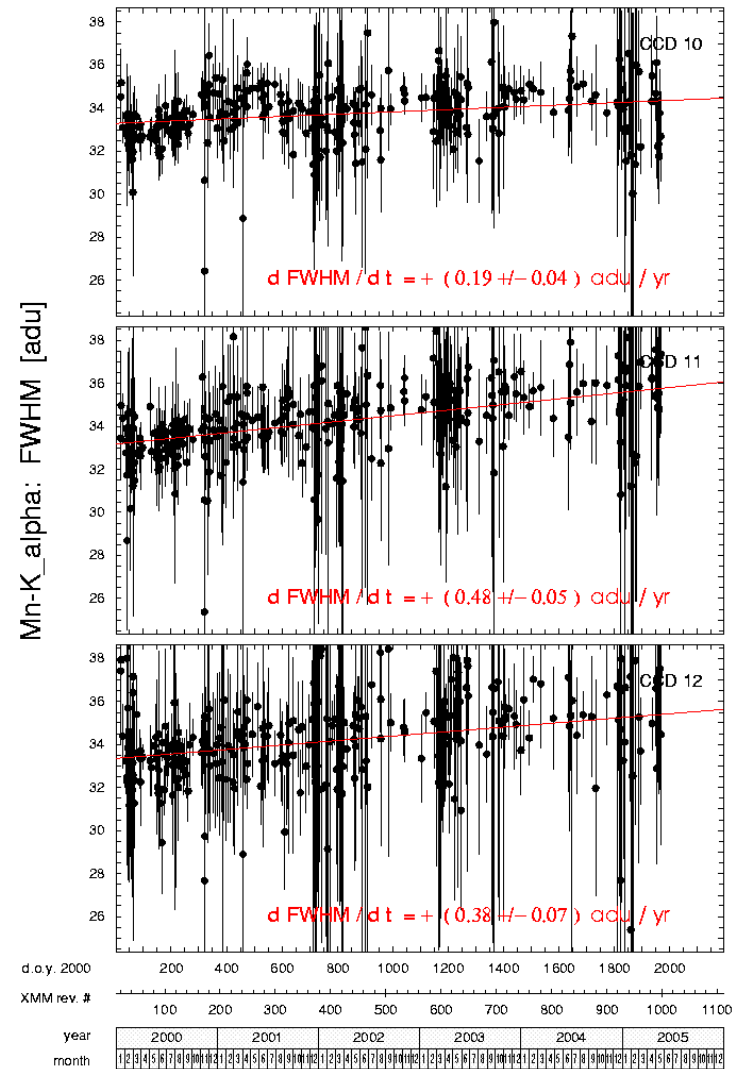
kod - EPIC pn performance monitor : pkpos2/kod MPE Offline analysis: mnrnk\_07-09.ps (peak positions), 8-Jun-05/14:41:34, P. 1

kod - EPIC pn performance monitor : pkpos2/kod MPE Offline analysis: mnrnk\_10-12.ps (peak positions), 8-Jun-05/14:41:34, P. 1

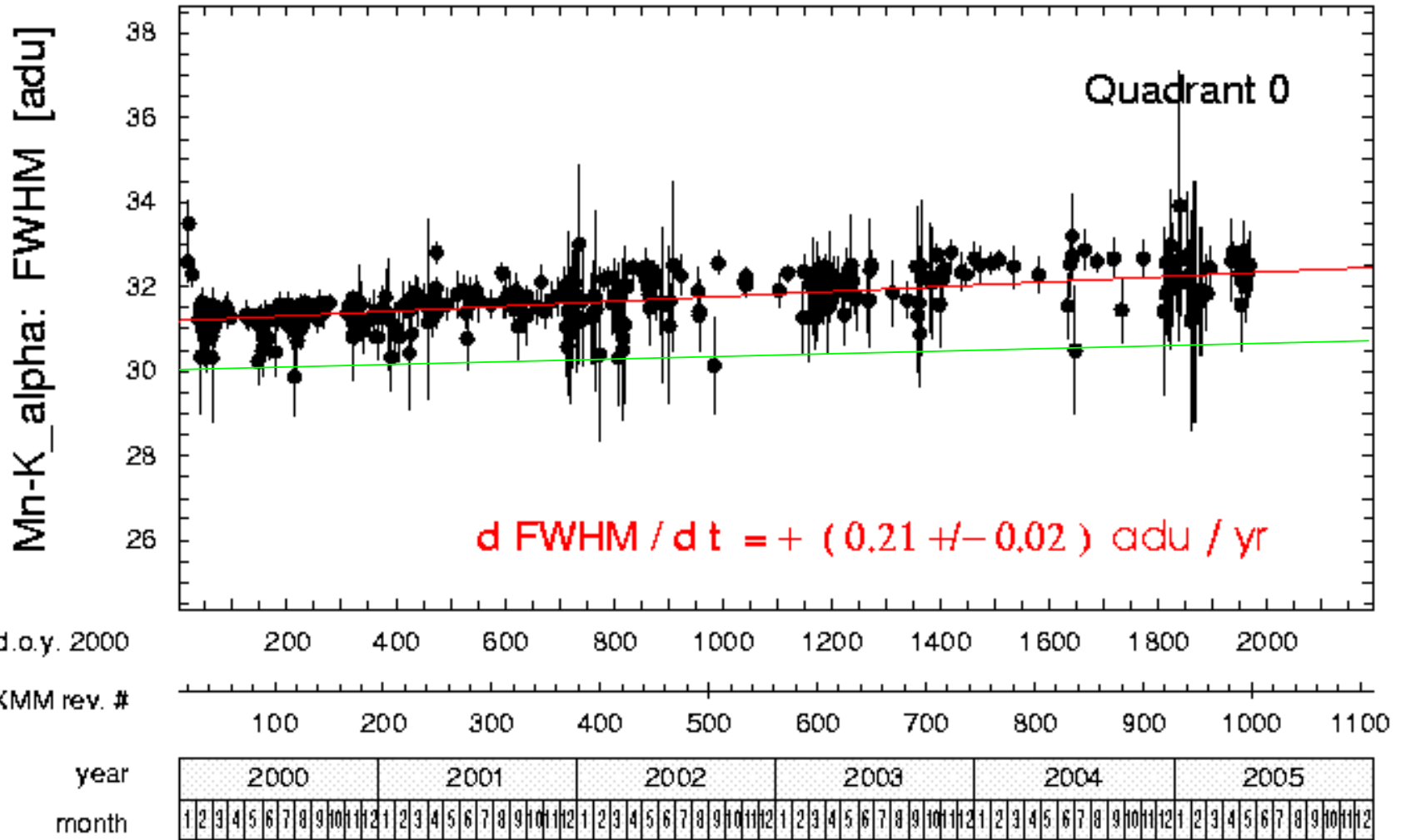
XMM - Newton / EPIC pn internal calibration source



XMM - Newton / EPIC pn internal calibration source



# FF Mn-K FWHM Quadrant 0



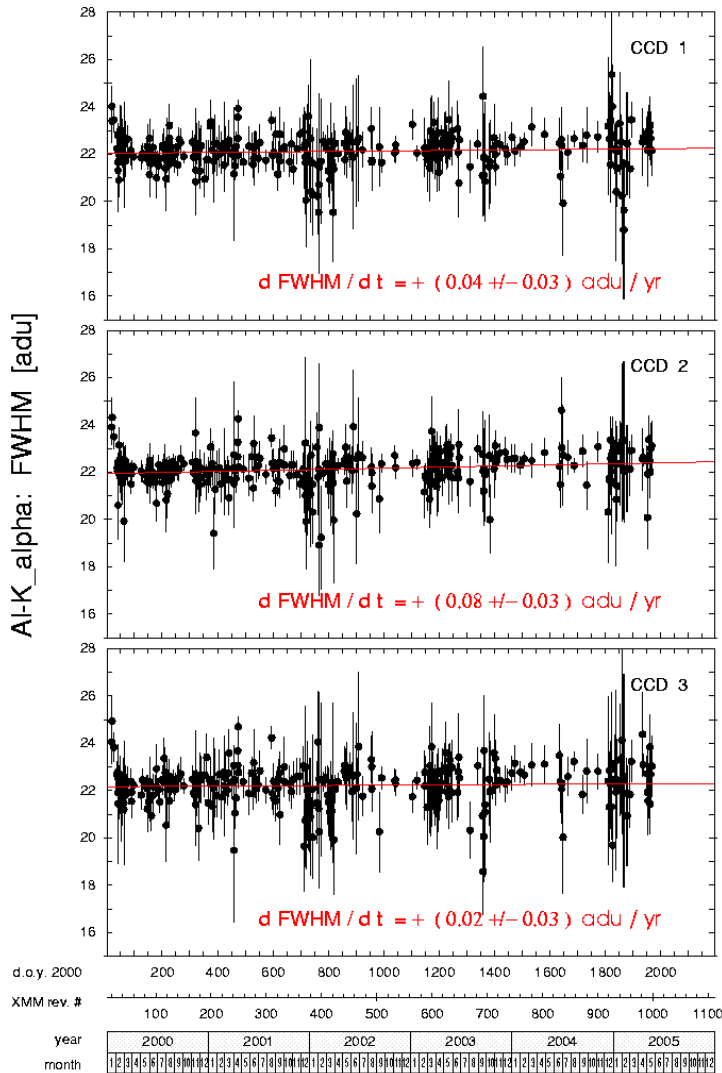


# FF AL-K FWHM CCD 1 - 6

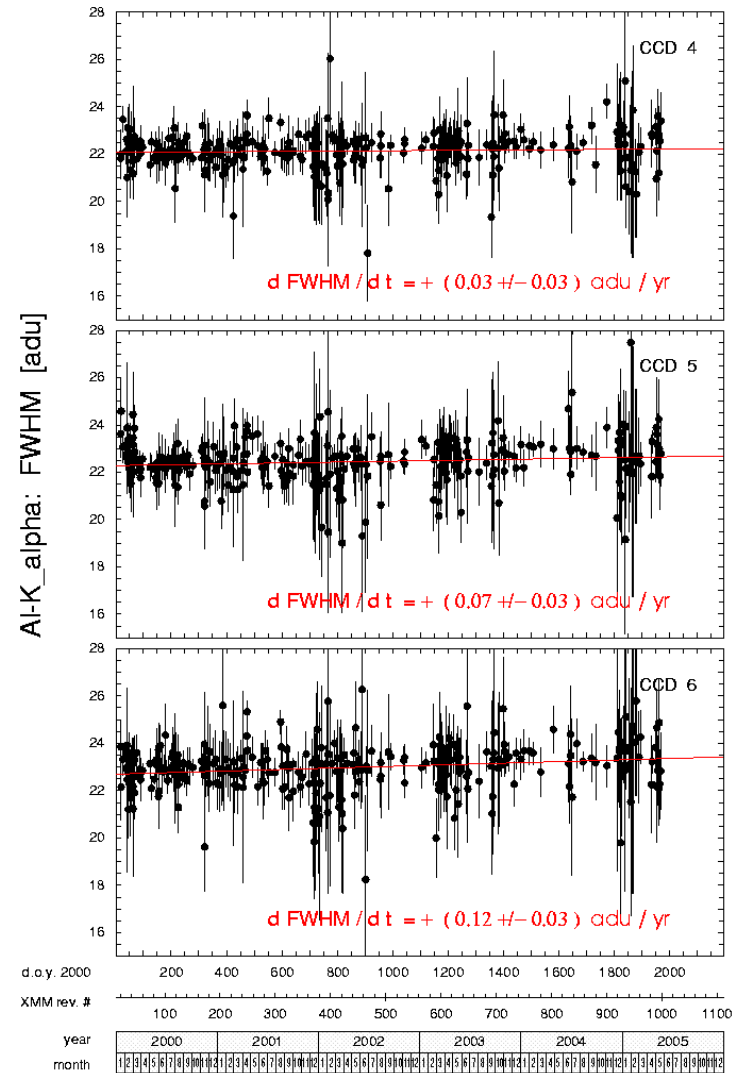
kod - EPIC pn performance monitor : pkpos2/kod MPE OfflineAnalysis/whrm\_alk\_01-03.ps (peak positions), 8-Jun-05/14:41:35, P 1

kod - EPIC pn performance monitor : pkpos2/kod MPE OfflineAnalysis/whrm\_alk\_04-06.ps (peak positions), 8-Jun-05/14:41:35, P 1

XMM - Newton / EPIC pn internal calibration source



XMM - Newton / EPIC pn internal calibration source

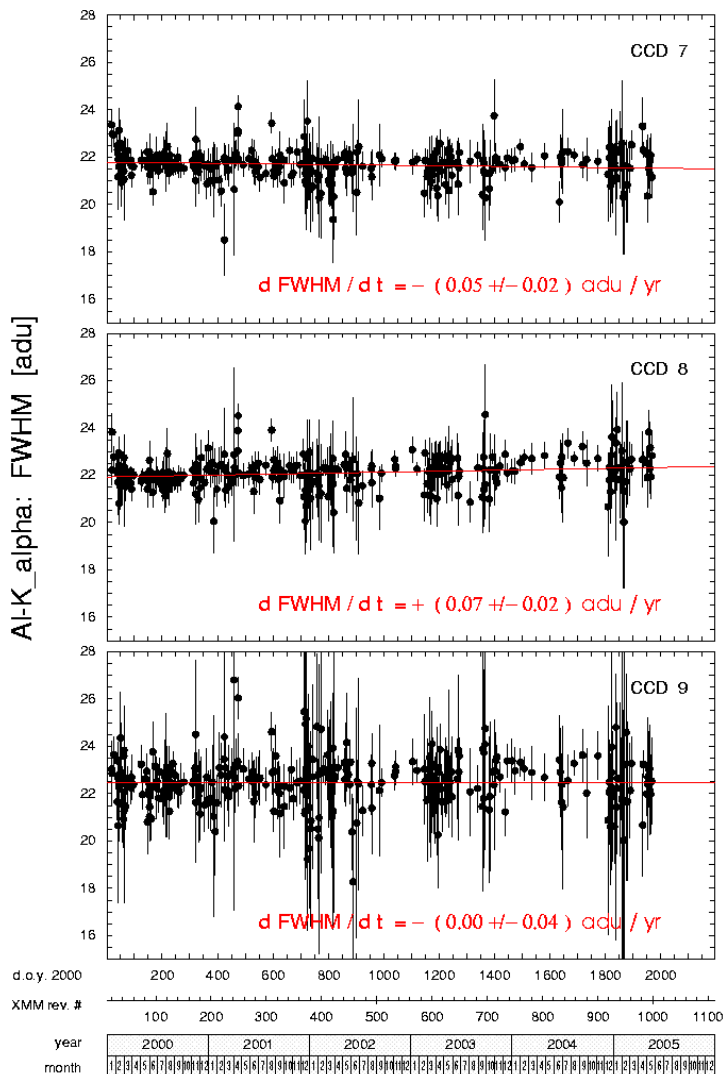


# FF AL-K FWHM CCD 7 - 12

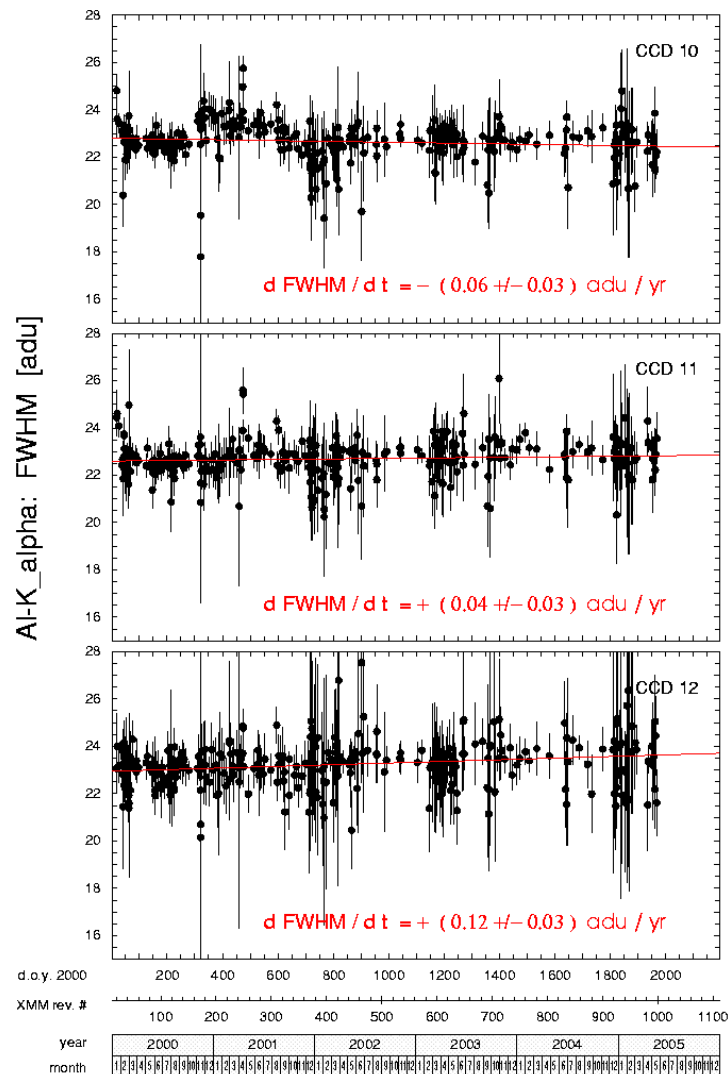
kod - EPIC pn performance monitor : pkpos2/kod MPE OfflineAnalysis/epic\_alk\_07-09.ps (peak positions), 8-Jun-05 / 14:41:35, P 1

kod - EPIC pn performance monitor : pkpos2/kod MPE OfflineAnalysis/epic\_alk\_10-12.ps (peak positions), 8-Jun-05 / 14:41:36, P 1

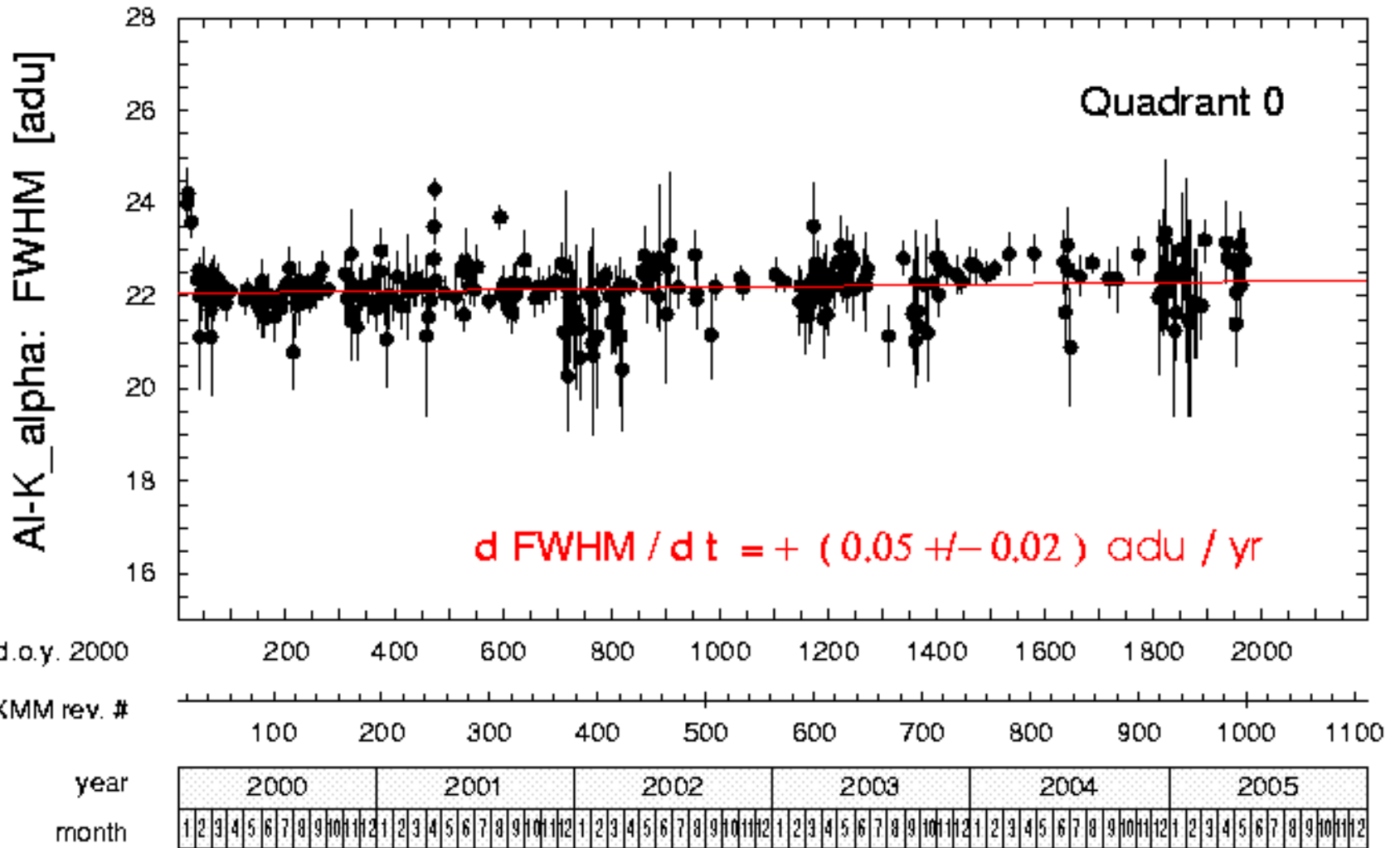
XMM - Newton / EPIC pn internal calibration source



XMM - Newton / EPIC pn internal calibration source



# FF AI-K FWHM Quadrant 0

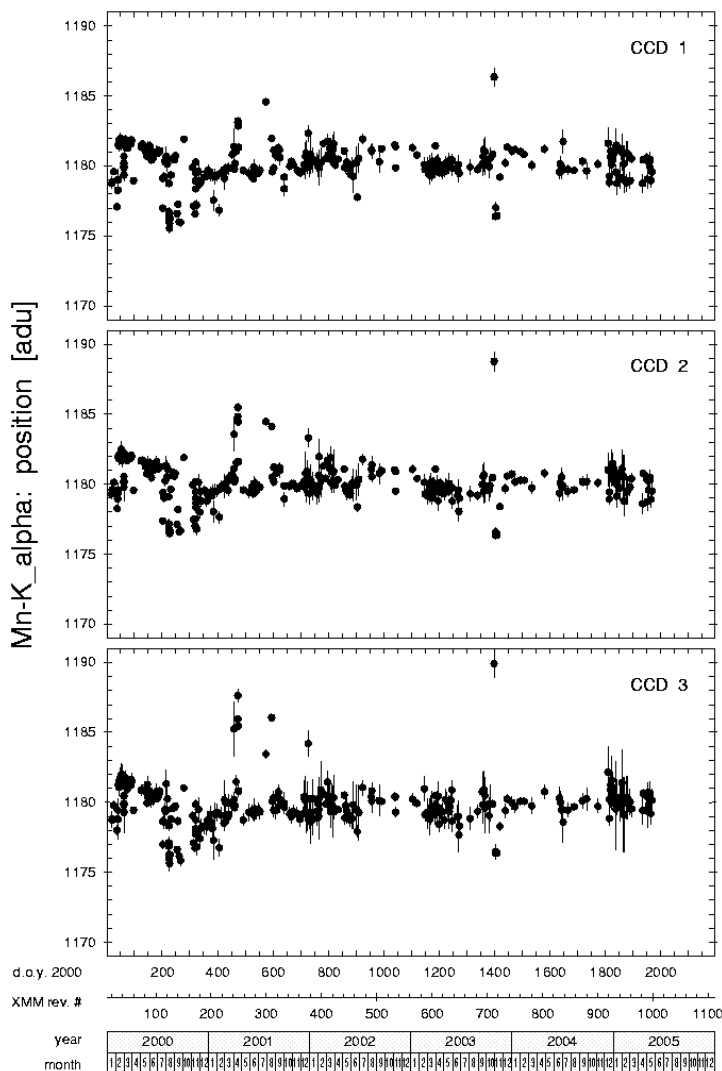


# FF Mn-K Pos CCD 1 - 6

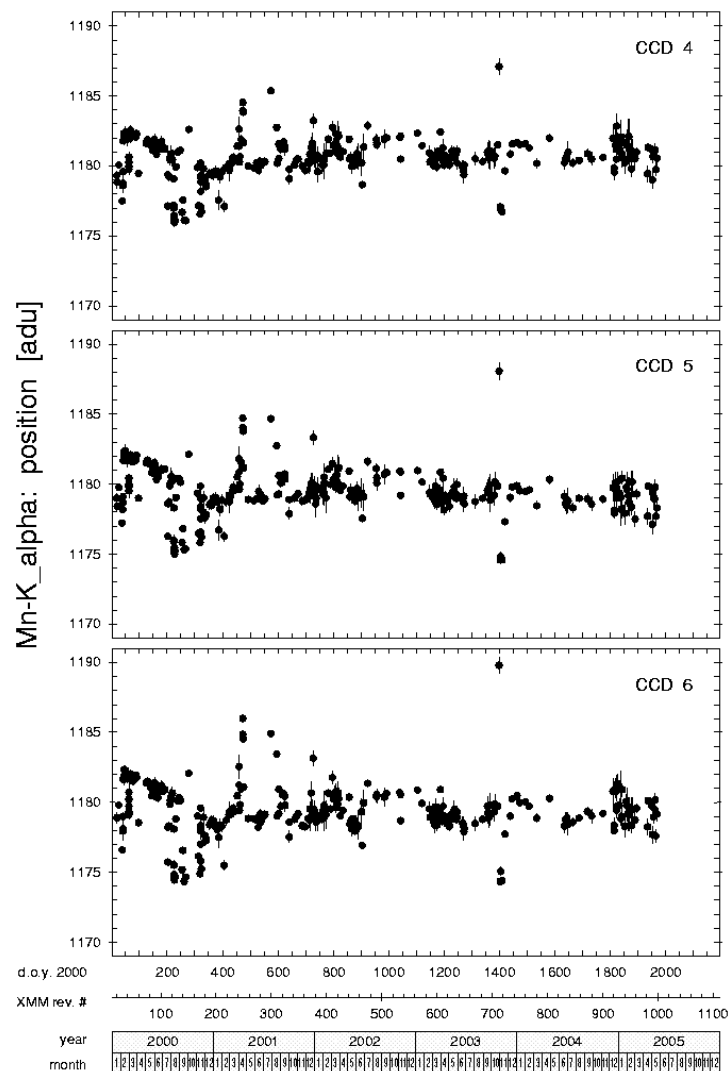
kod - EPIC pn performance monitor : pkpos2/kod MPE Offlinetask\_rnrk\_01-03.ps (peak positions), 8-Jun-05 / 14:41:21, P 1

kod - EPIC pn performance monitor : pkpos2/kod MPE Offlinetask\_rnrk\_04-06.ps (peak positions), 8-Jun-05 / 14:41:21, P 1

XMM - Newton / EPIC pn internal calibration source



XMM - Newton / EPIC pn internal calibration source

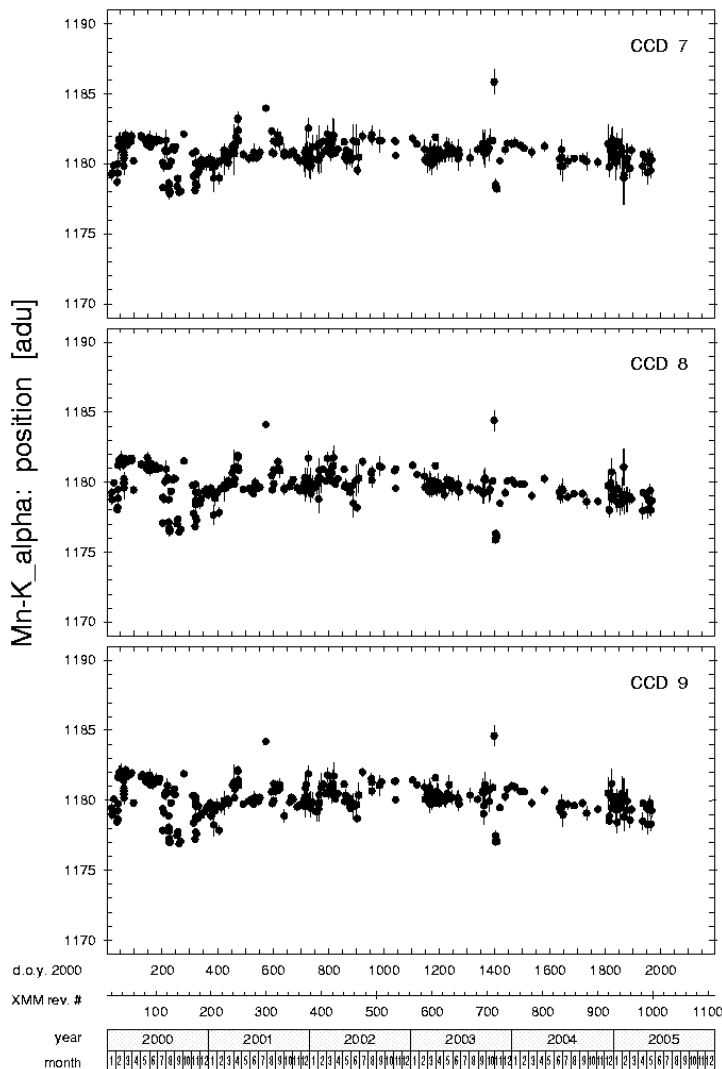


# FF Mn-K Pos CCD 7 - 12

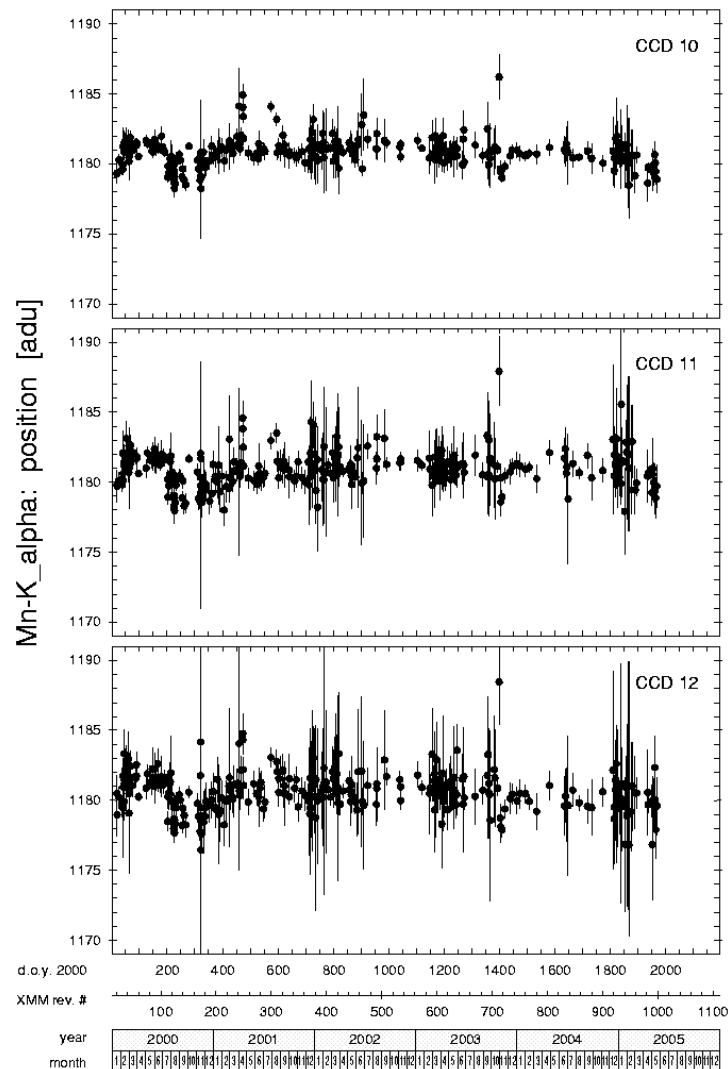
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kod - EPIC pn performance monitor : pkpos2/kod MPE Offlpea2peak\_mnk\_10-12.ps (peak positions), 8-Jun-05/14:41:21, P 1

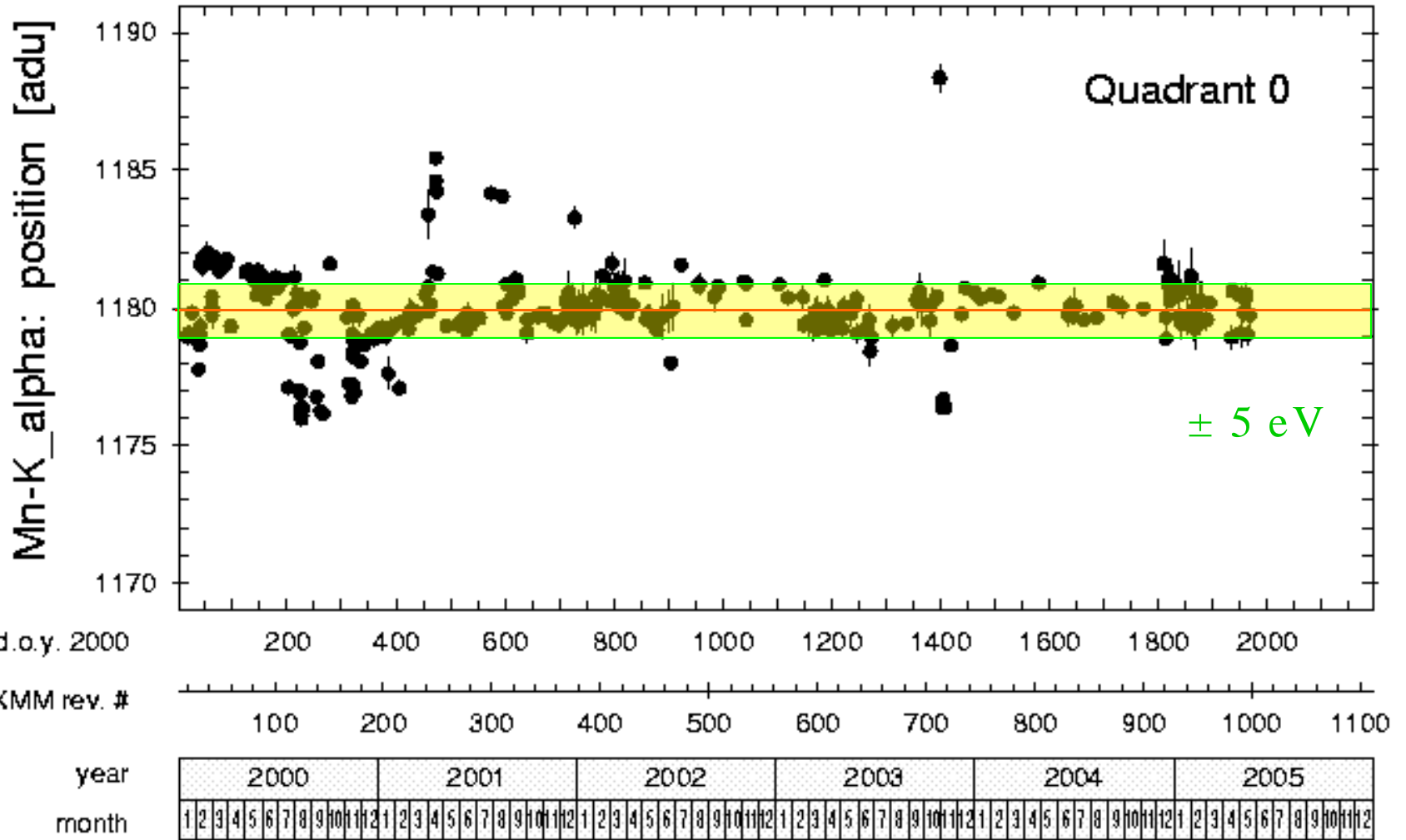
XMM - Newton / EPIC pn internal calibration source



XMM - Newton / EPIC pn internal calibration source



# FF Mn-K Pos Quadrant 0

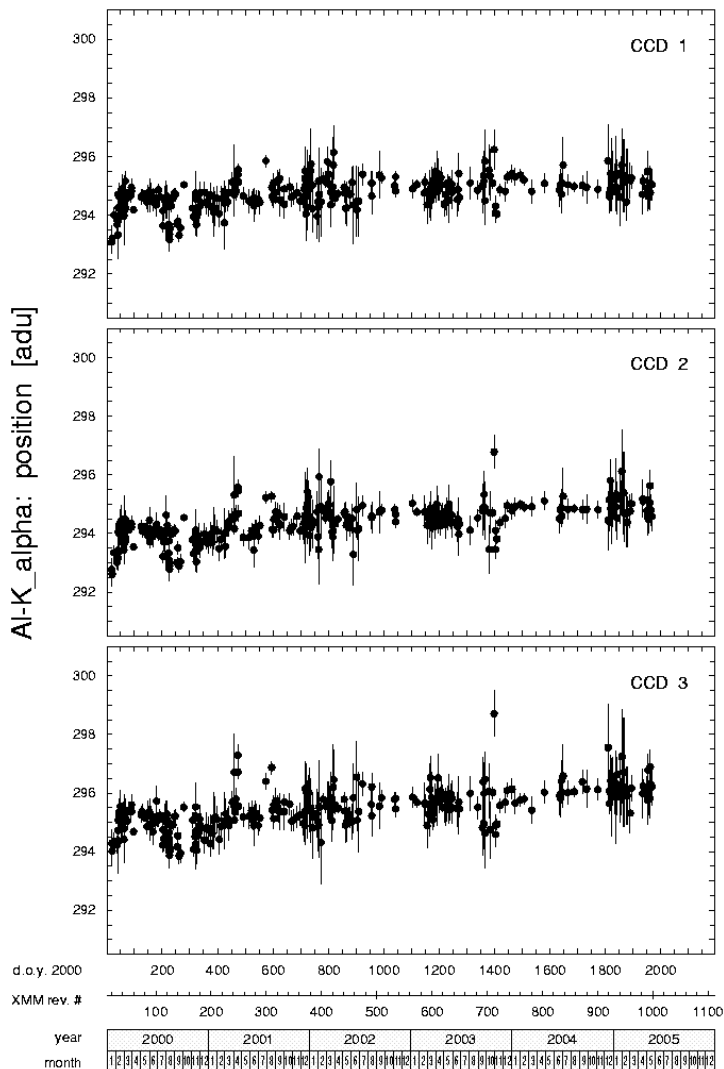


# FF AI-K Pos CCD 1 - 6

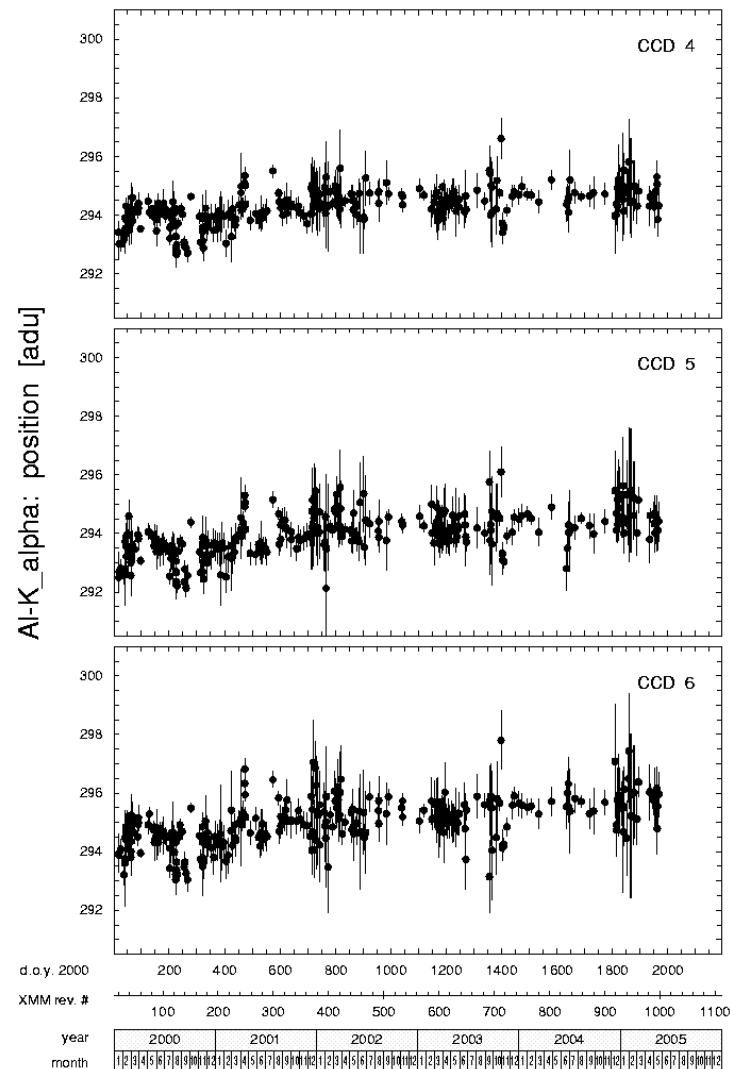
kod - EPIC pn performance monitor : pkpos2/kod MPE Offline peak\_alk\_01-03.ps (peak positions), 8-Jun-05 / 14:41:21, P 1

kod - EPIC pn performance monitor : pkpos2/kod MPE Offline peak\_alk\_04-06.ps (peak positions), 8-Jun-05 / 14:41:22, P 1

XMM - Newton / EPIC pn internal calibration source



XMM - Newton / EPIC pn internal calibration source

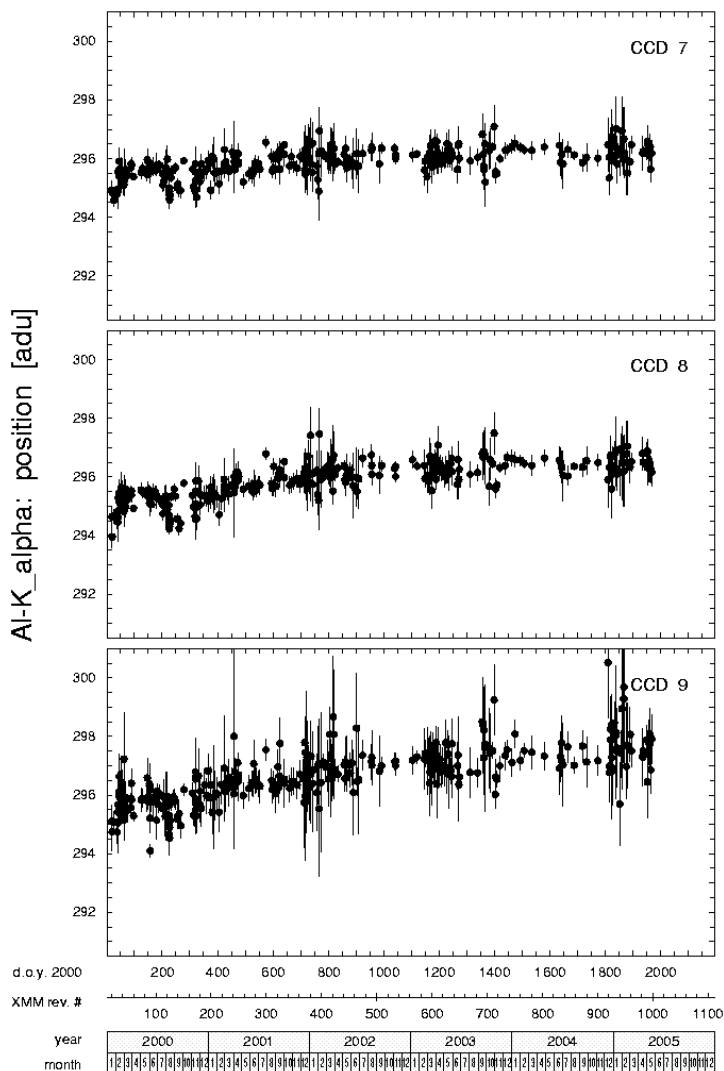


# FF AI-K Pos CCD 7 - 12

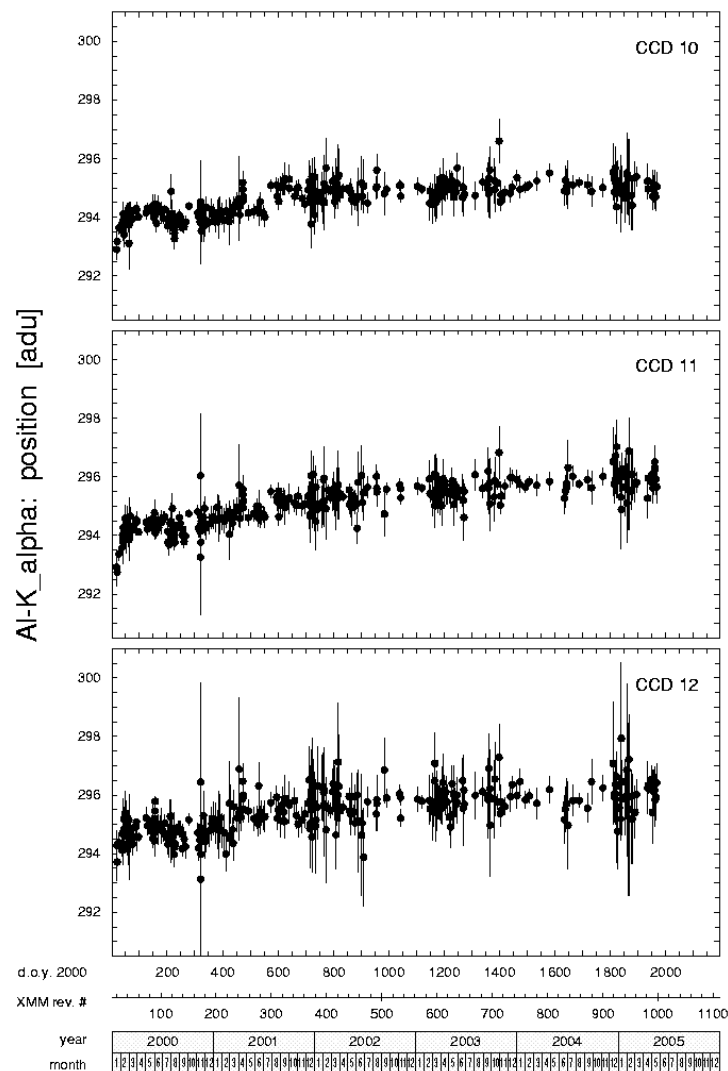
kod - EPIC pn performance monitor : pkpos2/kod MPE Offline peak\_alk\_07-09.ps (peak positions), 8-Jun-05 / 14:41:22, P 1

kod - EPIC pn performance monitor : pkpos2/kod MPE Offline peak\_alk\_10-12.ps (peak positions), 8-Jun-05 / 14:41:22, P 1

XMM - Newton / EPIC pn internal calibration source

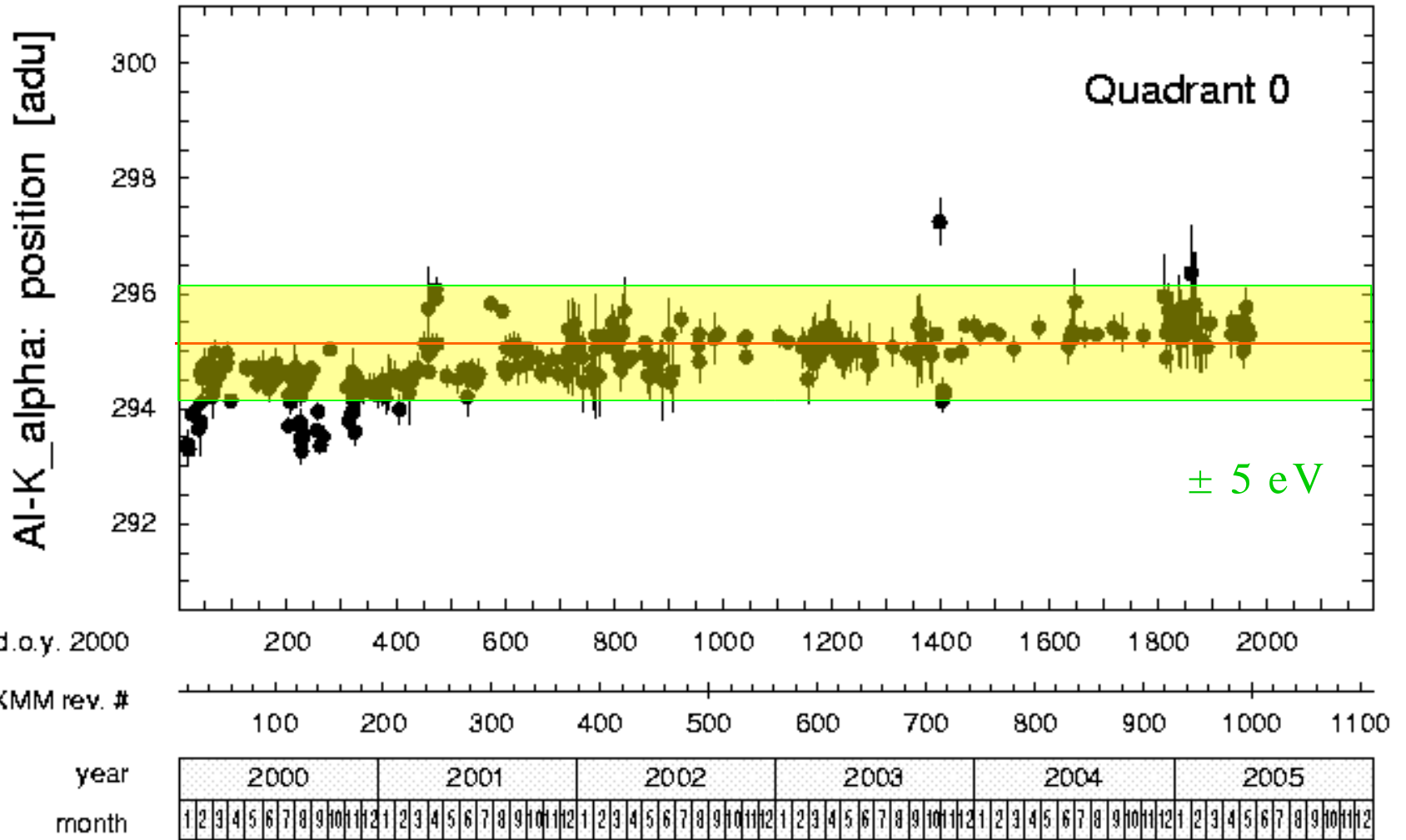


XMM - Newton / EPIC pn internal calibration source





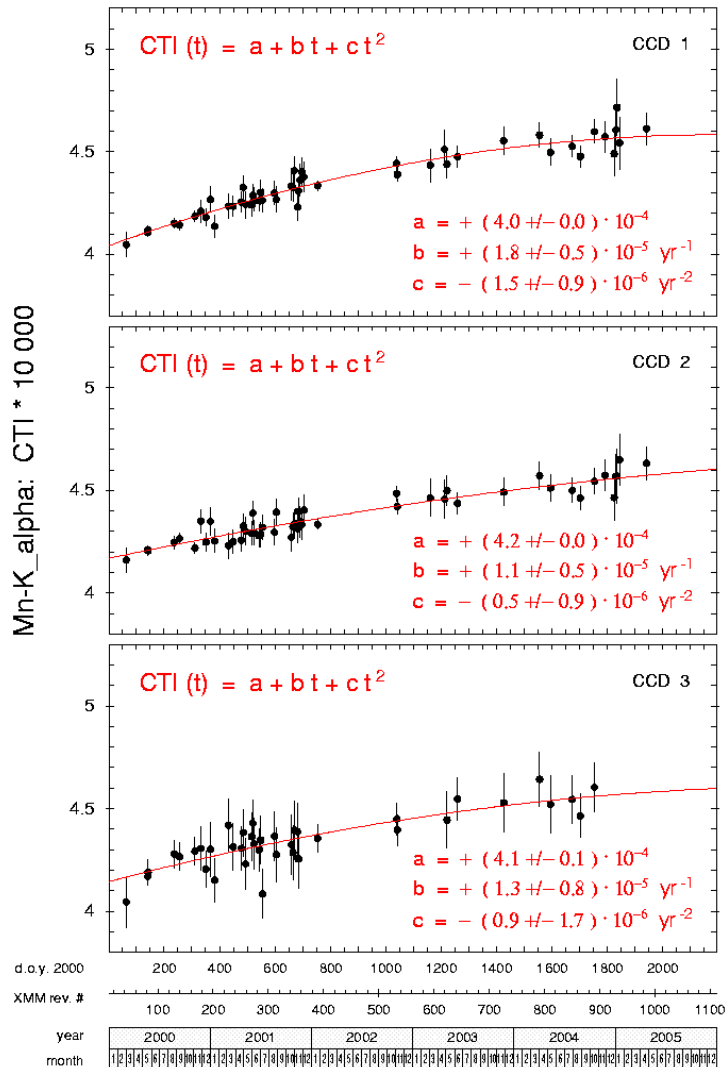
# FF AL-K Pos Quadrant 0



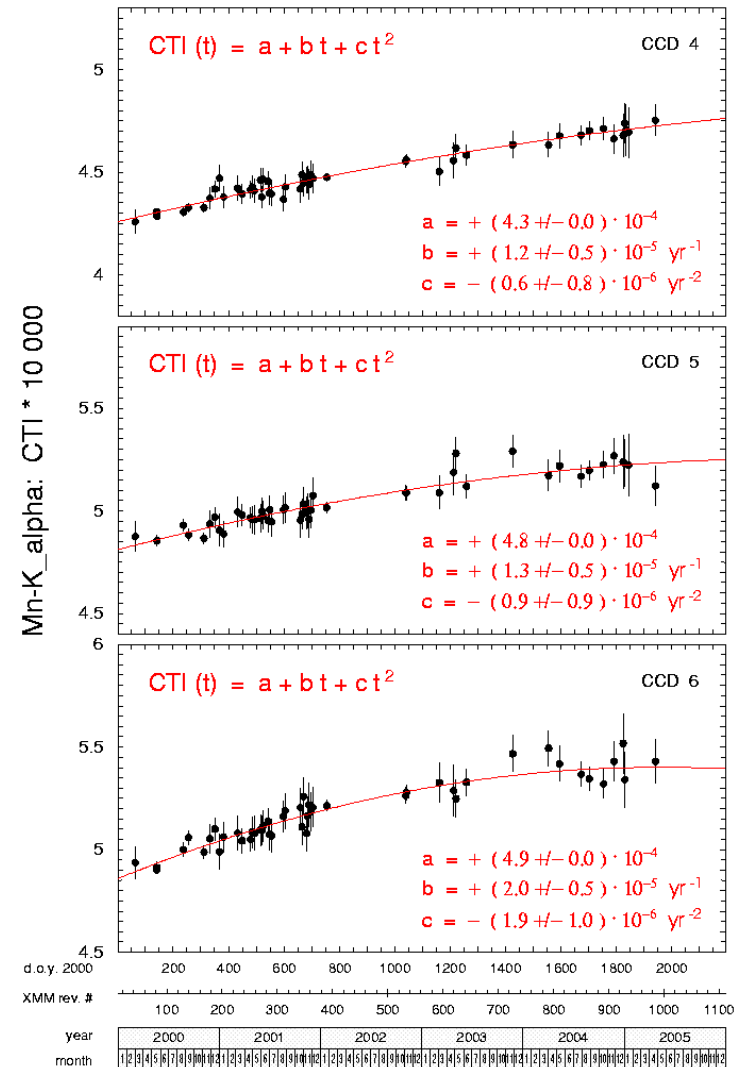


# eFF Mn-K CTI CCD 1 - 6

XMM - Newton / EPIC pn internal calibration source



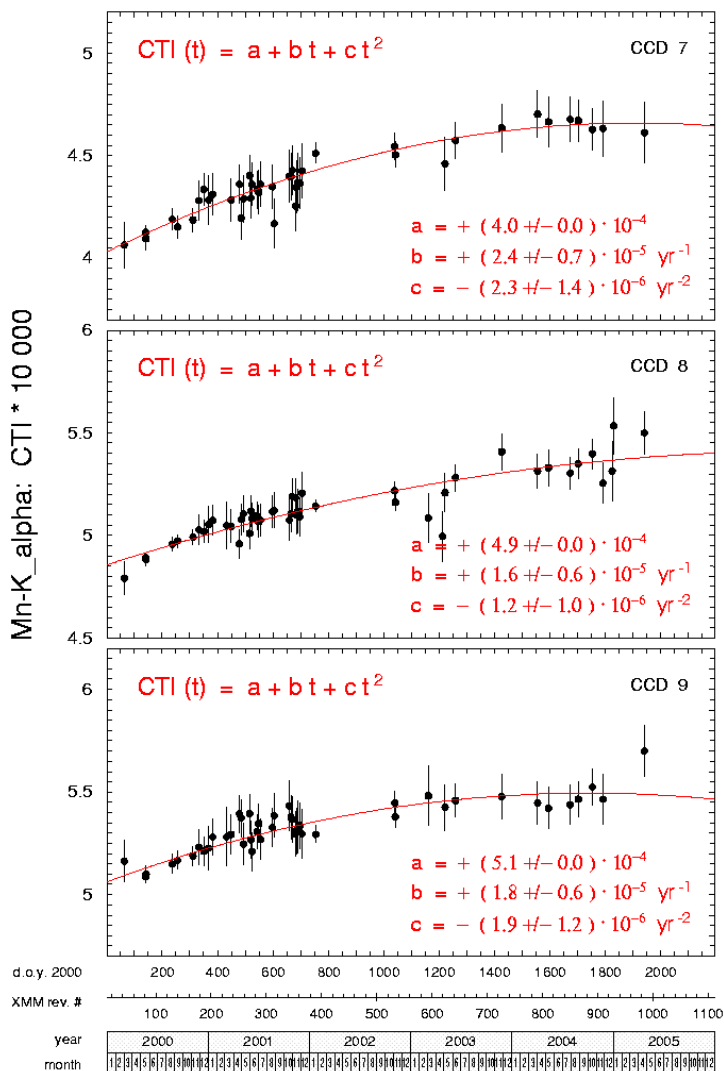
XMM - Newton / EPIC pn internal calibration source



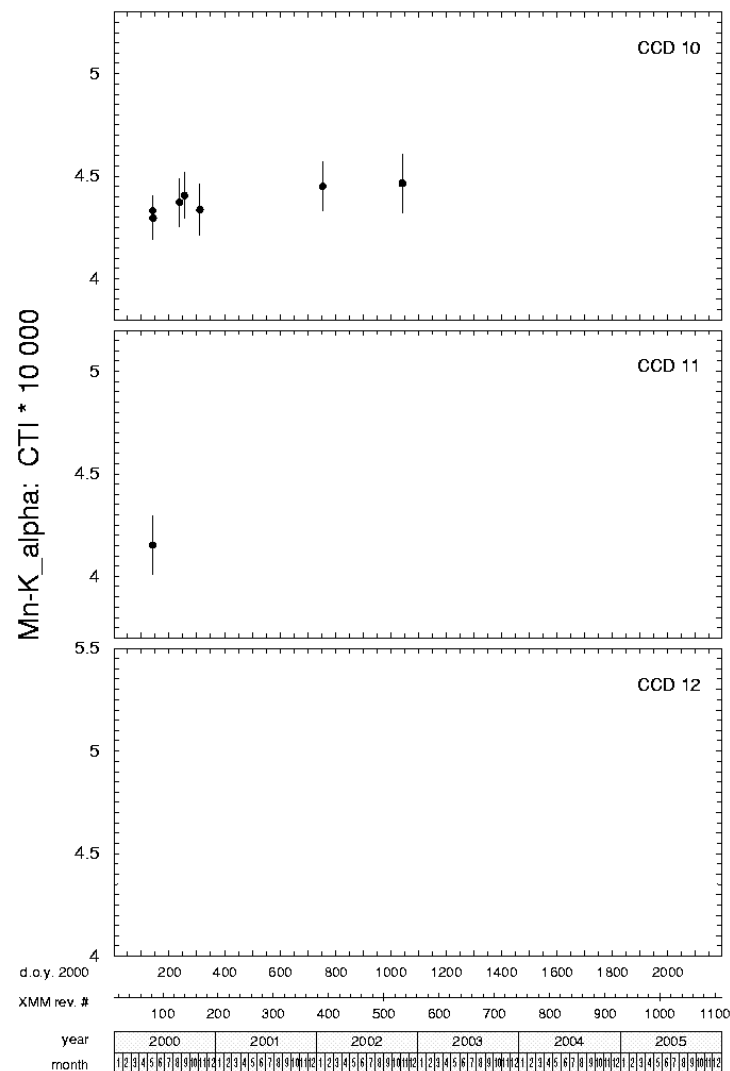
# eFF Mn-K CTI CCD 7 - 12

kod - EPIC pn performance monitor : pkpos7/kod MPE Offline Analysis pkpos7\_ff\_rnnk\_07-09.ps ( ), 24-Sep-05 / 16:52:40, P 1 kod - EPIC pn performance monitor : pkpos7/kod MPE Offline Analysis pkpos7\_ff\_rnnk\_10-12.ps ( ), 24-Sep-05 / 16:52:40, P 1

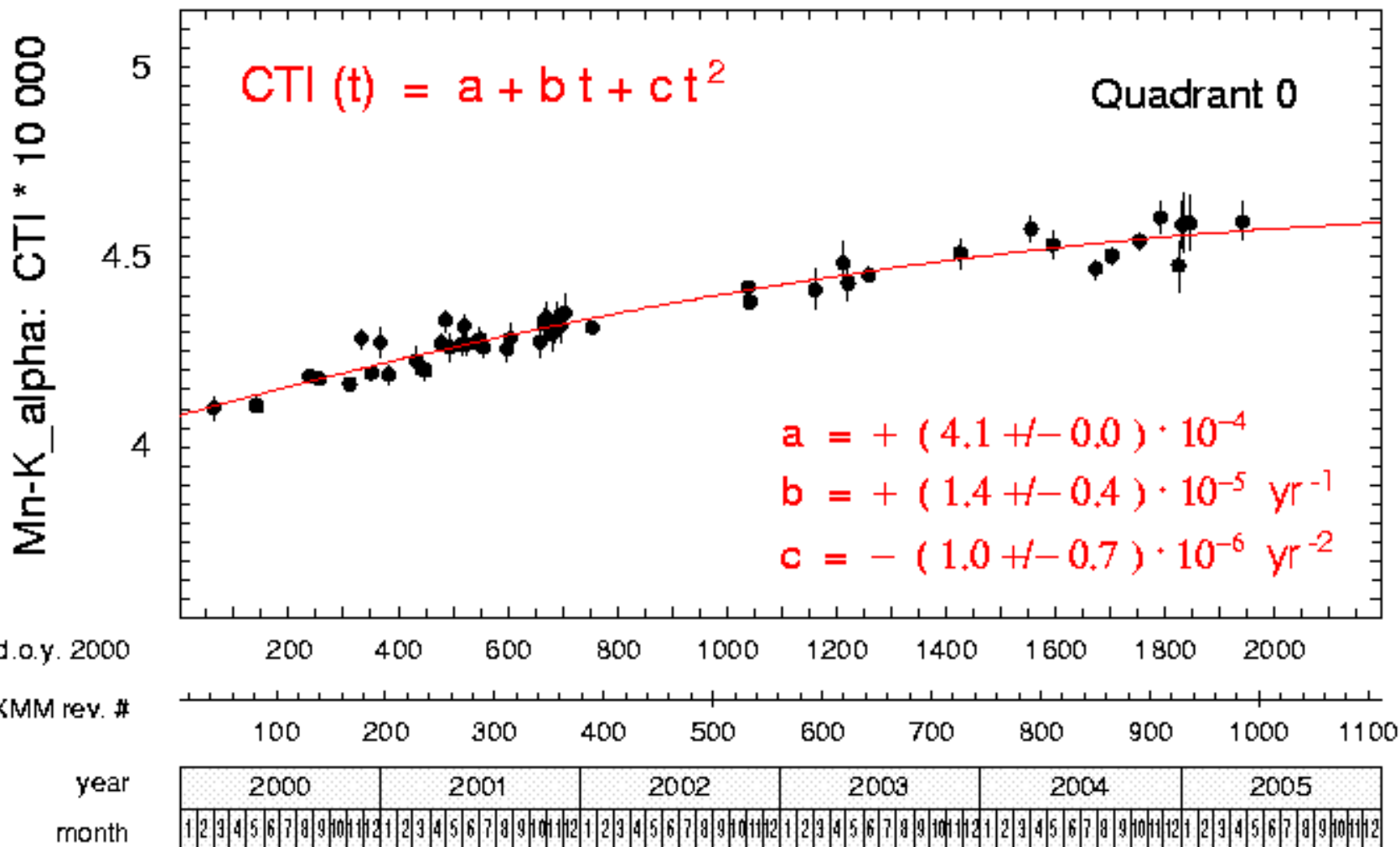
XMM - Newton / EPIC pn internal calibration source



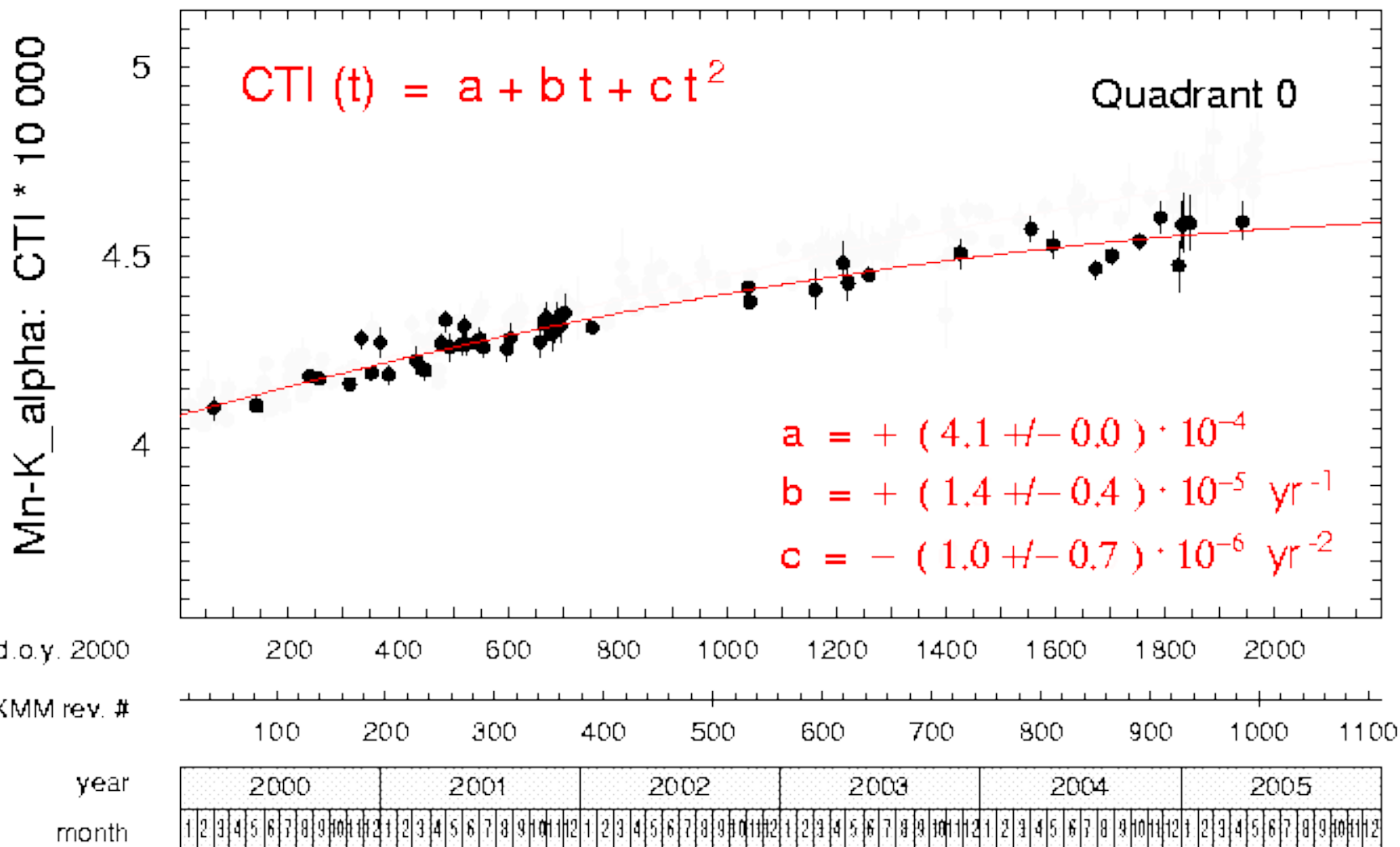
XMM - Newton / EPIC pn internal calibration source



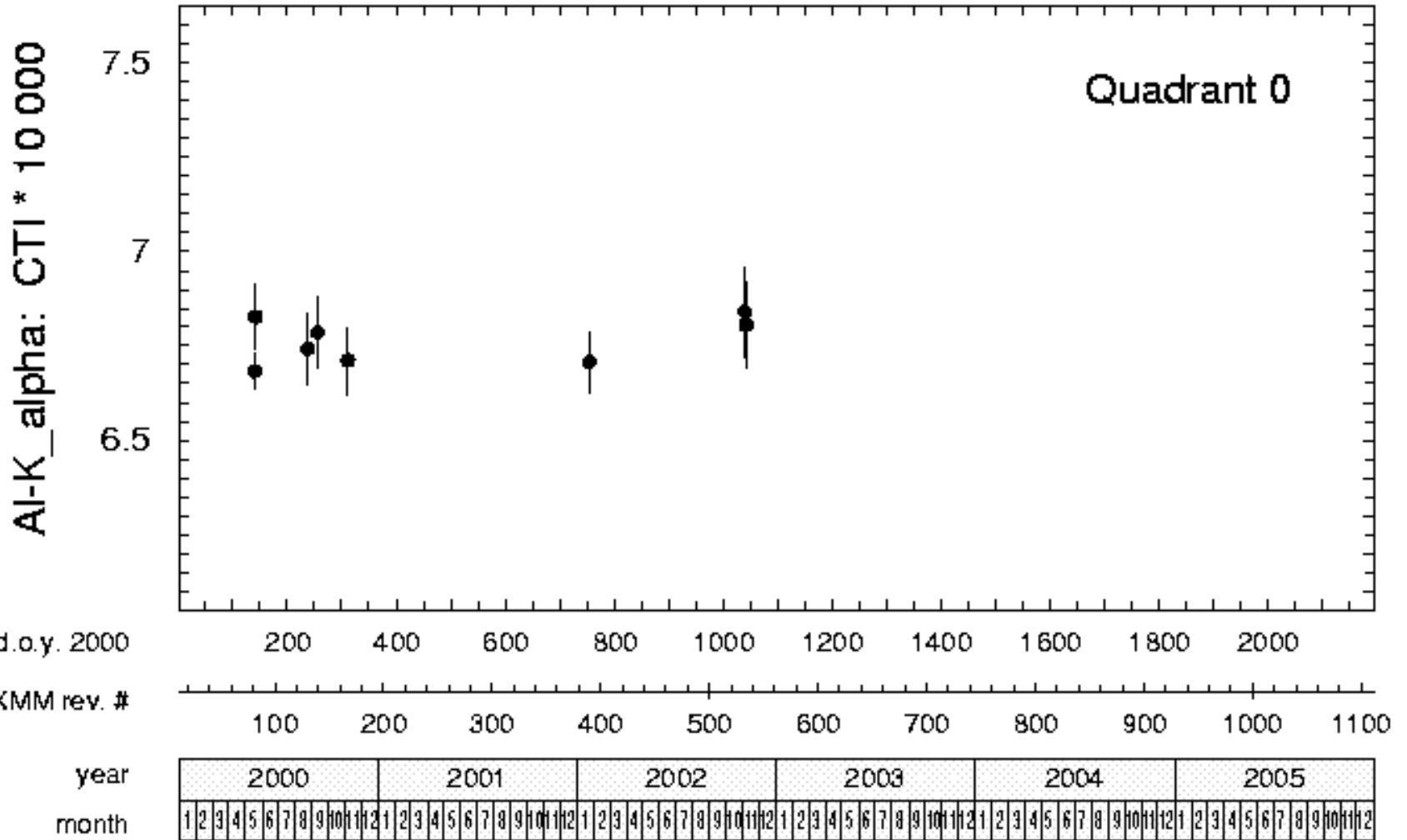
# eFF Mn-K CTI Quadrant 0



# eFF Mn-K CTI Quadrant 0



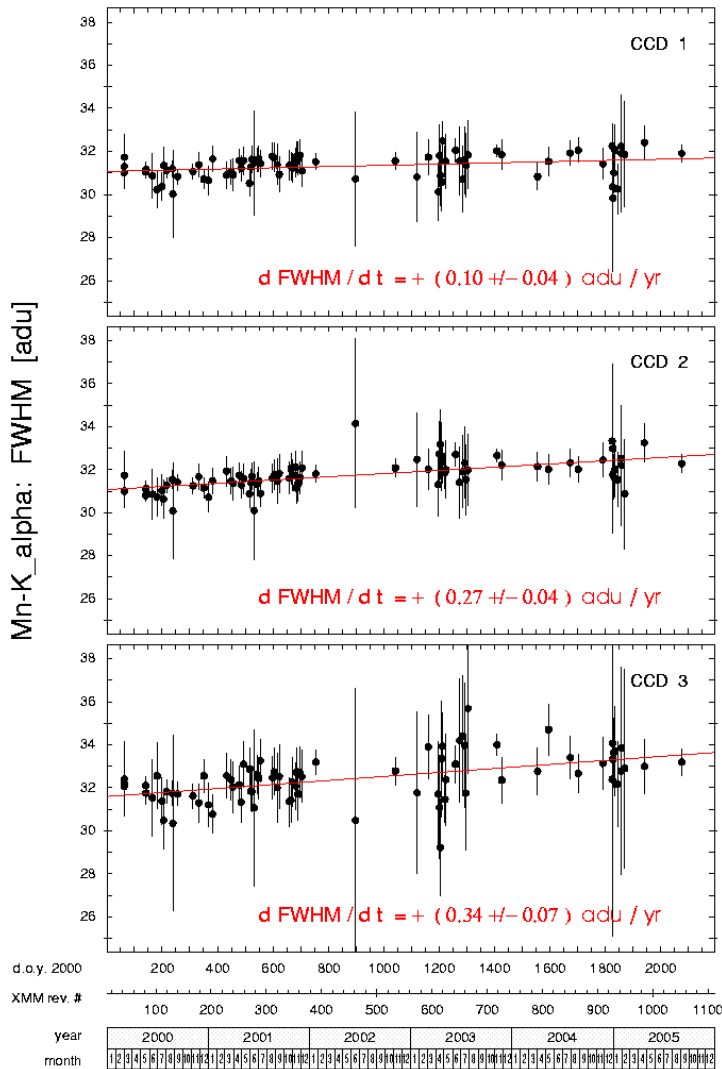
# eFF AI-K CTI Quadrant 0



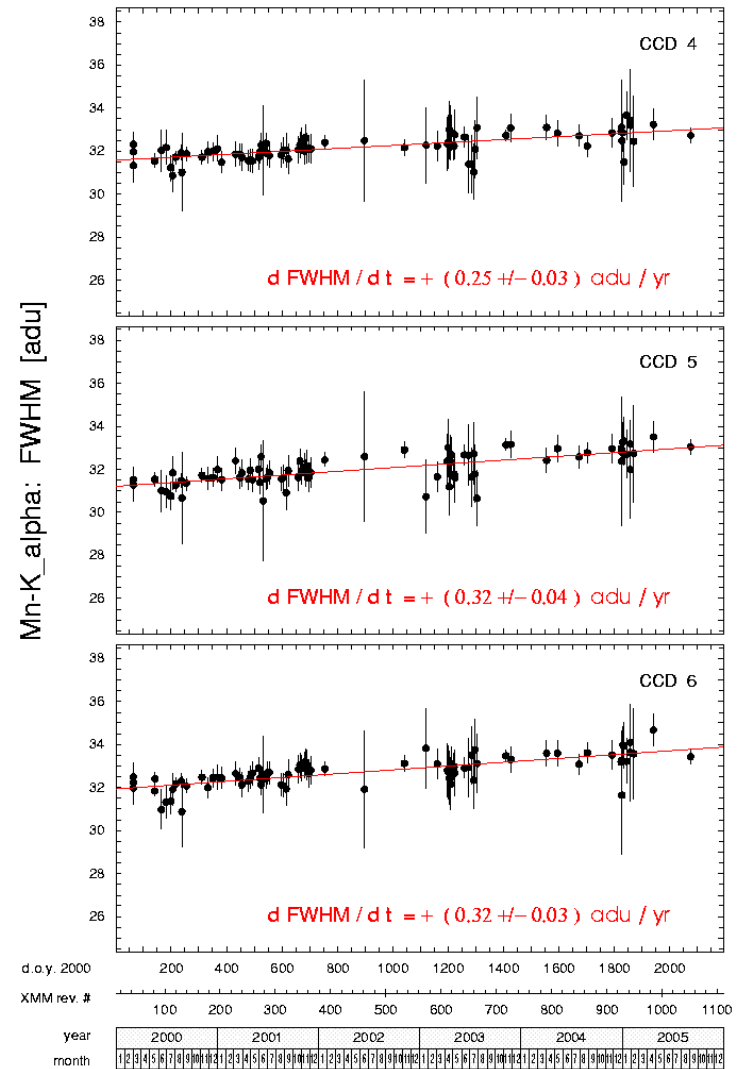
# eFF Mn-K FWHM CCD 1 - 6

kod - EPIC pn performance monitor : pkpos2/kod MPE Office Analysis\_mnk\_01-03.ps (peak positions), 24-Sep-05 / 16:20:04, P 1 kod - EPIC pn performance monitor : pkpos2/kod MPE Office Analysis\_mnk\_04-06.ps (peak positions), 24-Sep-05 / 16:20:04, P 1

XMM - Newton / EPIC pn internal calibration source



XMM - Newton / EPIC pn internal calibration source

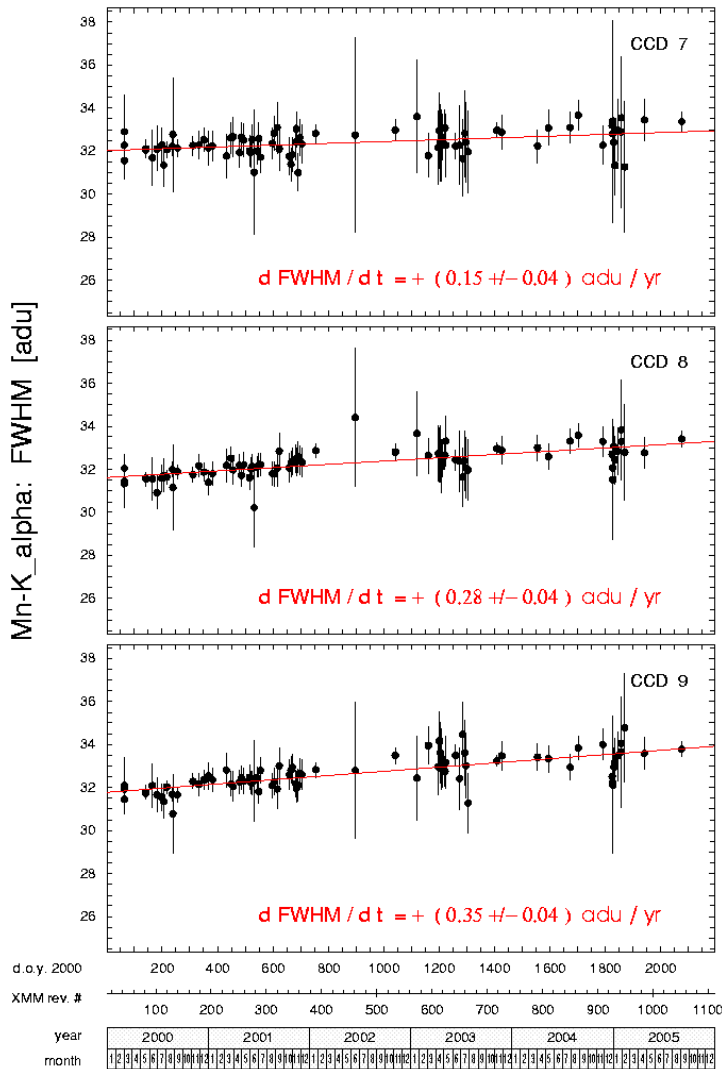




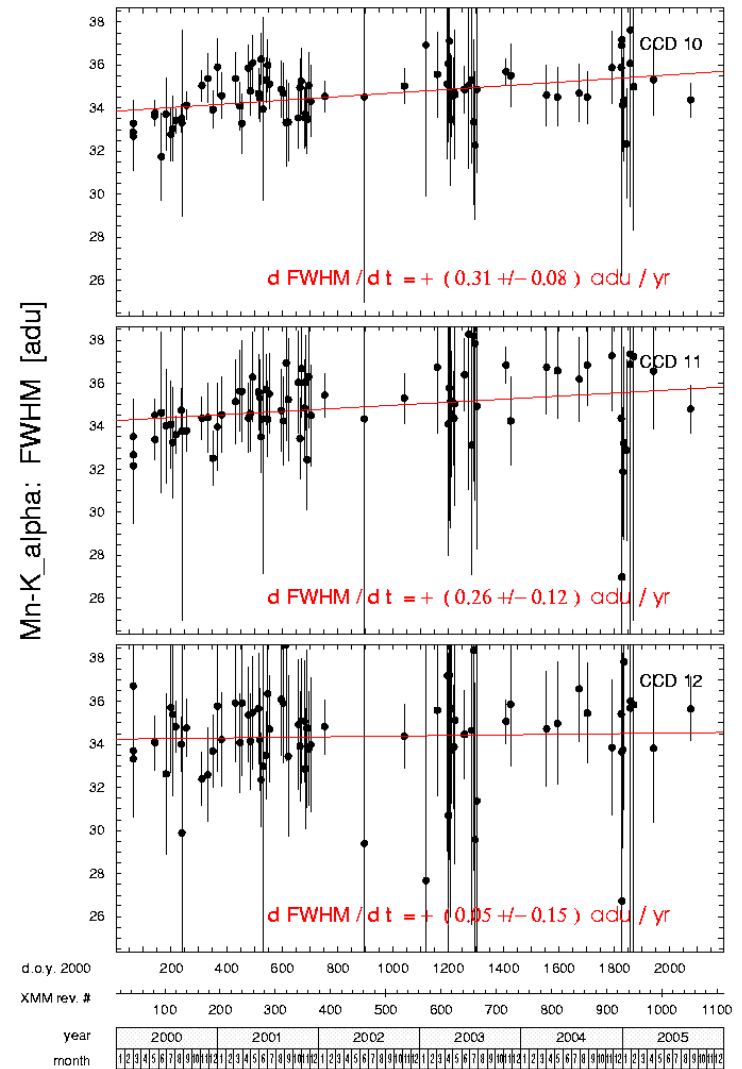
# eFF Mn-K FWHM CCD 7 - 12

kod - EPIC pn performance monitor : pkpos2/kod MPE OfflineAnalysis\_mnk\_07-09.ps (peak positions), 24-Sep-05 / 16:20:04, P 1 kod - EPIC pn performance monitor : pkpos2/kod MPE OfflineAnalysis\_mnk\_10-12.ps (peak positions), 24-Sep-05 / 16:20:04, P 1

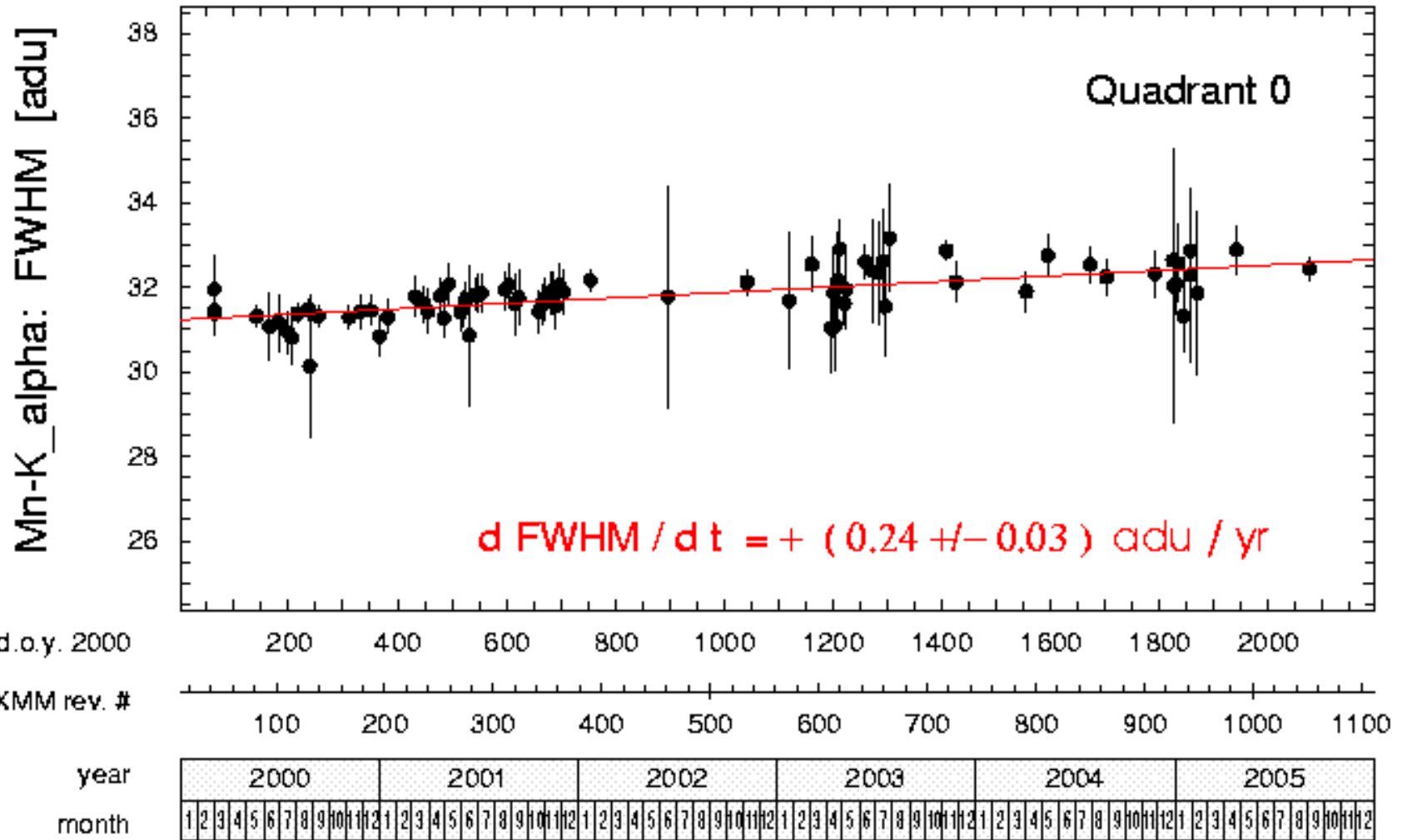
XMM - Newton / EPIC pn internal calibration source



XMM - Newton / EPIC pn internal calibration source



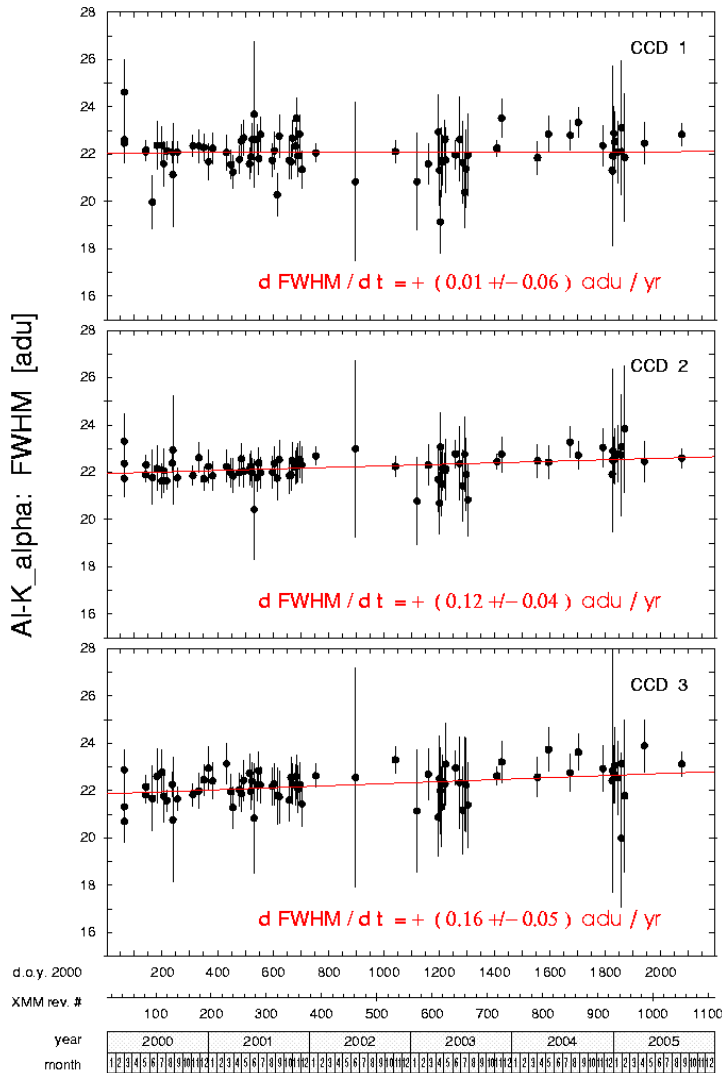
# eFF Mn-K FWHM Quadrant 0



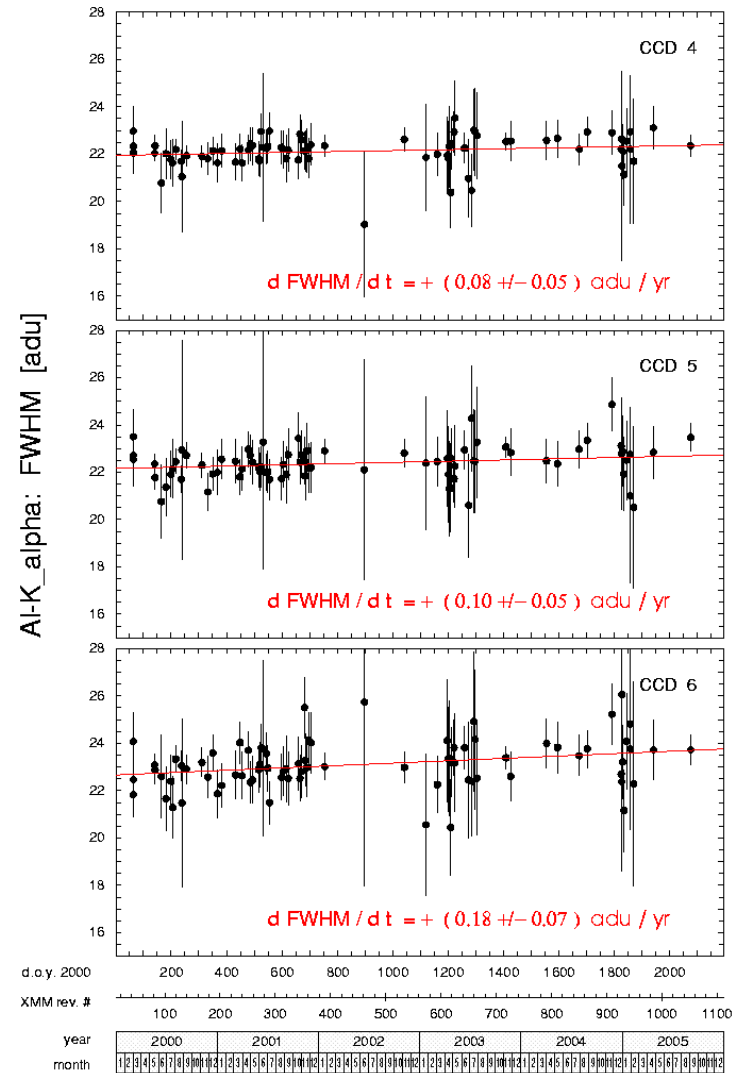
# eFF AL-K FWHM CCD 1 - 6

kod - EPIC pn performance monitor : pkpos2/kod MPE OfflineAssemblyWarn\_alk\_01-03.ps (peak positions), 24-Sep-05 / 16:20:04, P 1 kod - EPIC pn performance monitor : pkpos2/kod MPE OfflineAssemblyWarn\_alk\_04-06.ps (peak positions), 24-Sep-05 / 16:20:05, P 1

XMM - Newton / EPIC pn internal calibration source



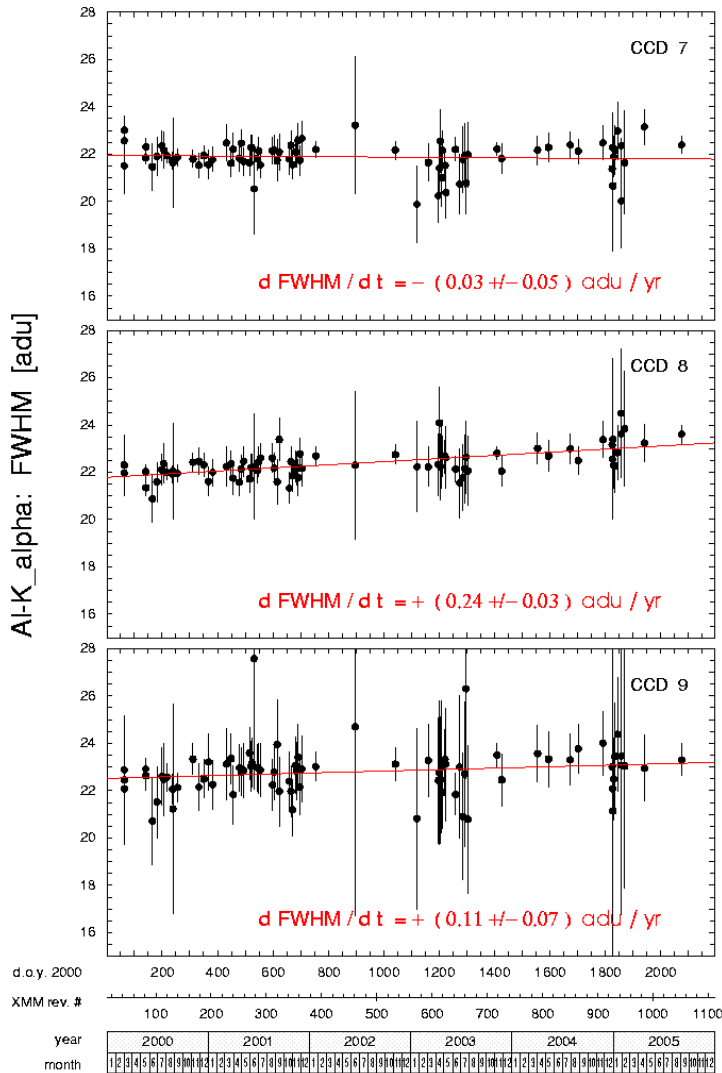
XMM - Newton / EPIC pn internal calibration source



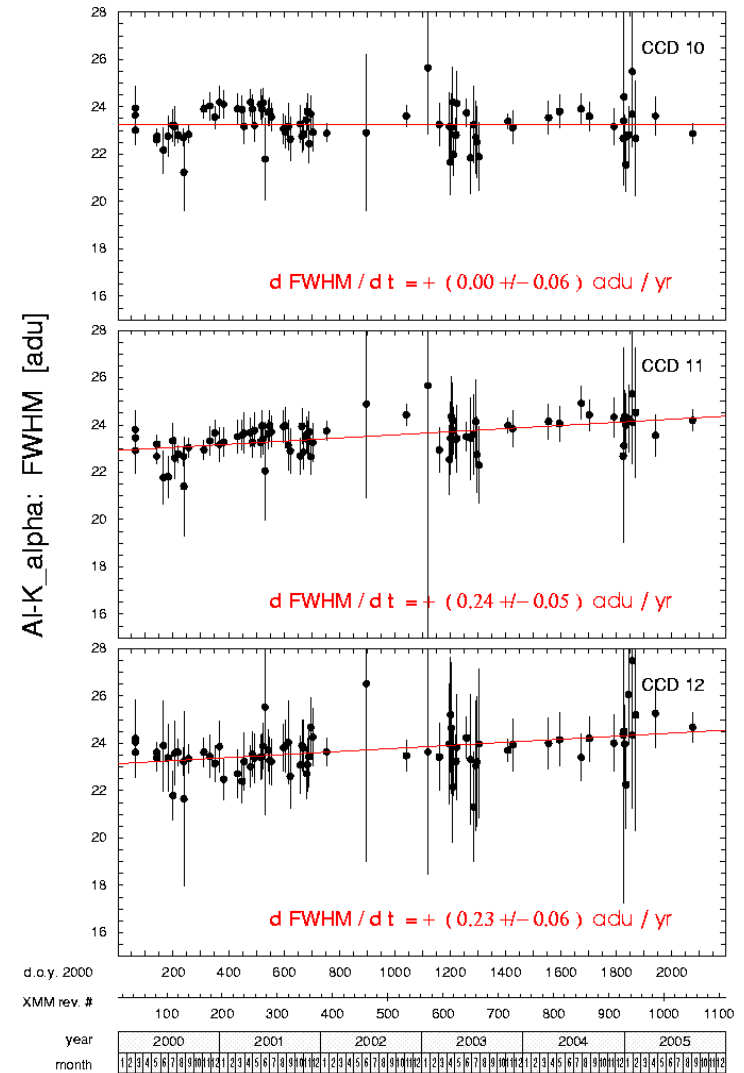
# eFF AL-K FWHM CCD 7 - 12

kod - EPIC pn performance monitor : pkpos2/kod MPE Offlin...\_wrm\_alk\_07-09.ps (peak positions), 24-Sep-05 / 16:20:05, P 1 kod - EPIC pn performance monitor : pkpos2/kod MPE Offlin...\_wrm\_alk\_10-12.ps (peak positions), 24-Sep-05 / 16:20:05, P 1

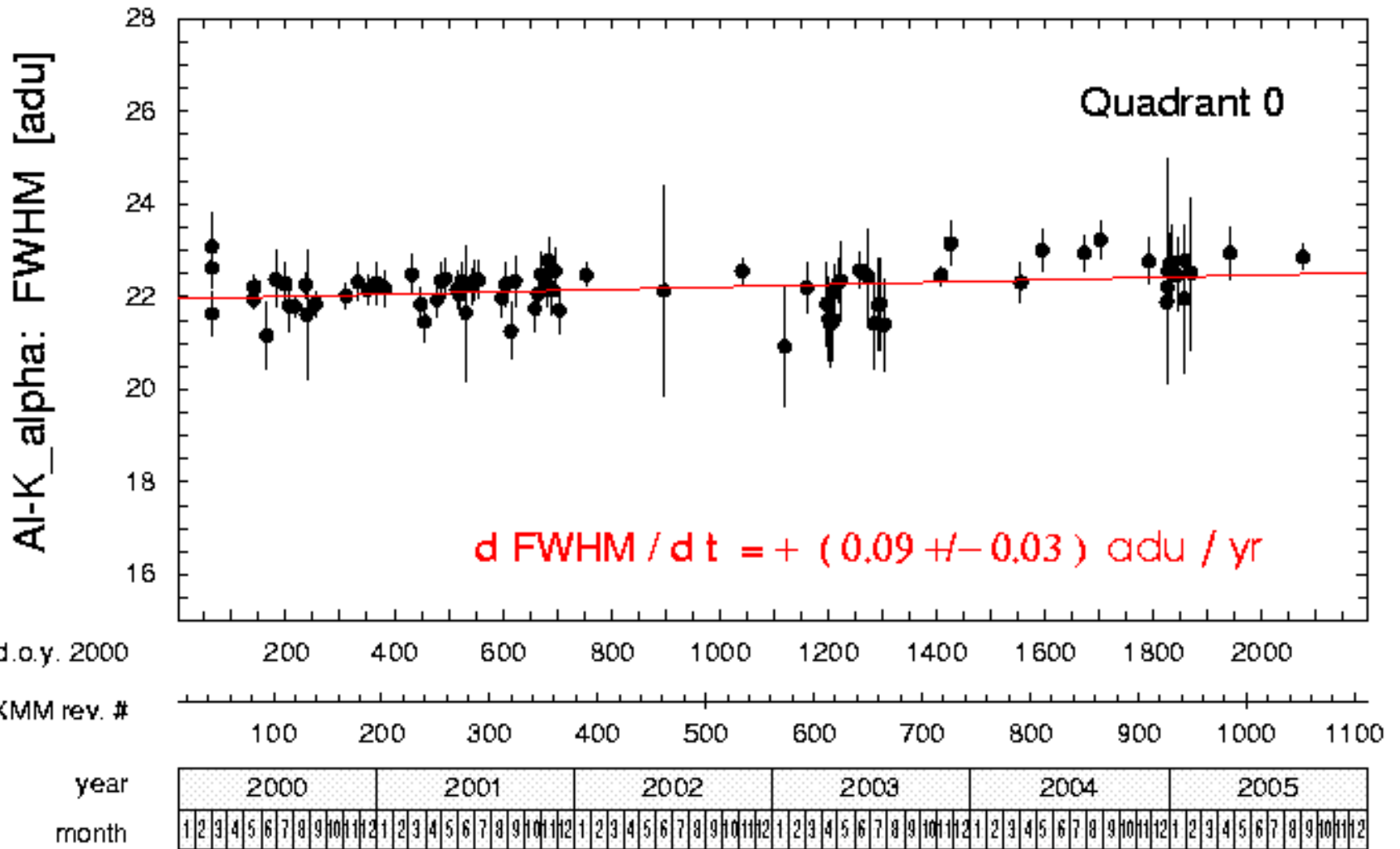
XMM - Newton / EPIC pn internal calibration source



XMM - Newton / EPIC pn internal calibration source



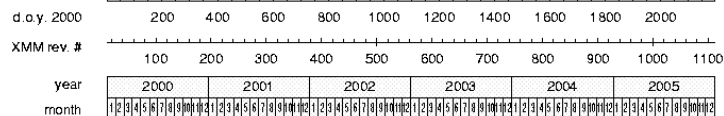
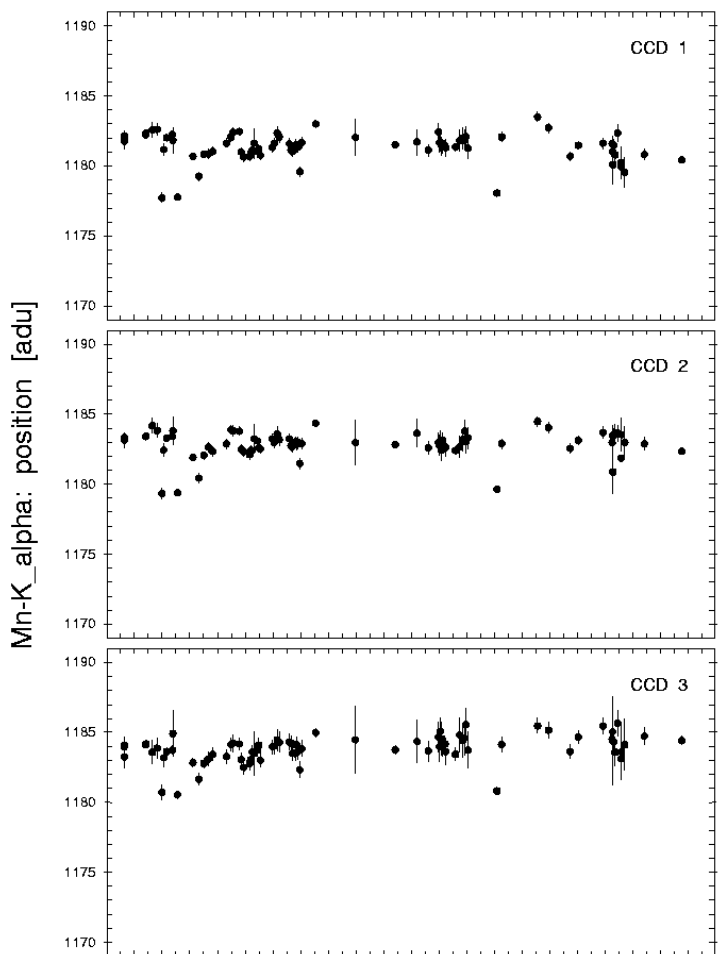
# eFF AI-K FWHM Quadrant 0



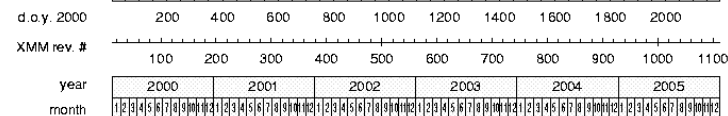
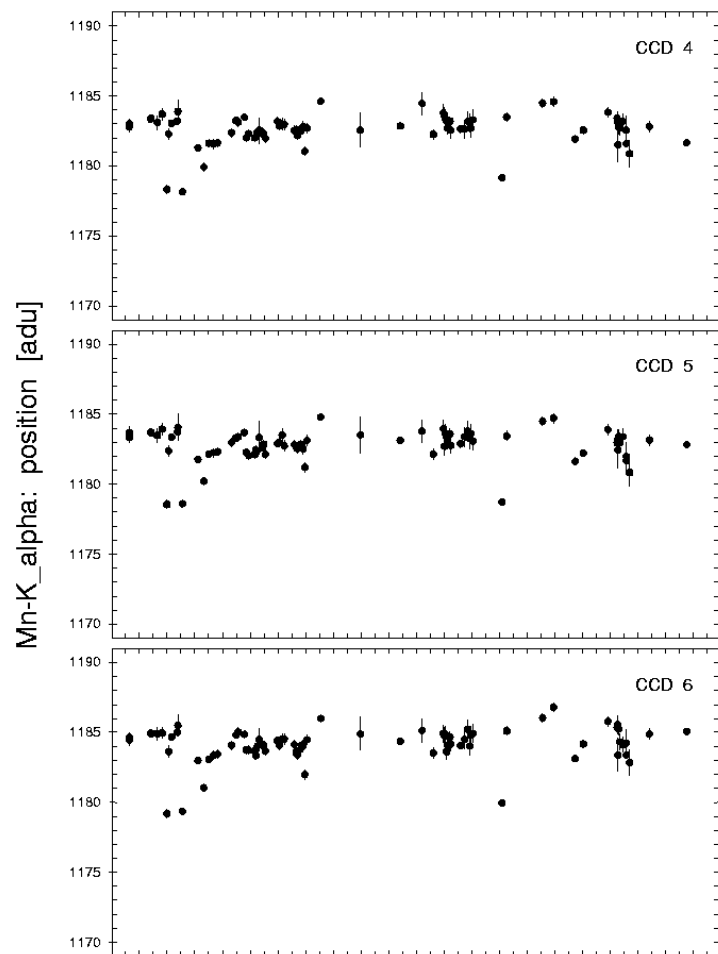
# eFF Mn-K Pos CCD 1 - 6

kod - EPIC pn performance monitor : pkpos2/kod MPE Offpeak\_mnk\_01-03.ps (peak positions), 24-Sep-05 / 16:19:48, P 1 kod - EPIC pn performance monitor : pkpos2/kod MPE Offpeak\_mnk\_04-06.ps (peak positions), 24-Sep-05 / 16:19:48, P 1

XMM - Newton / EPIC pn internal calibration source



XMM - Newton / EPIC pn internal calibration source

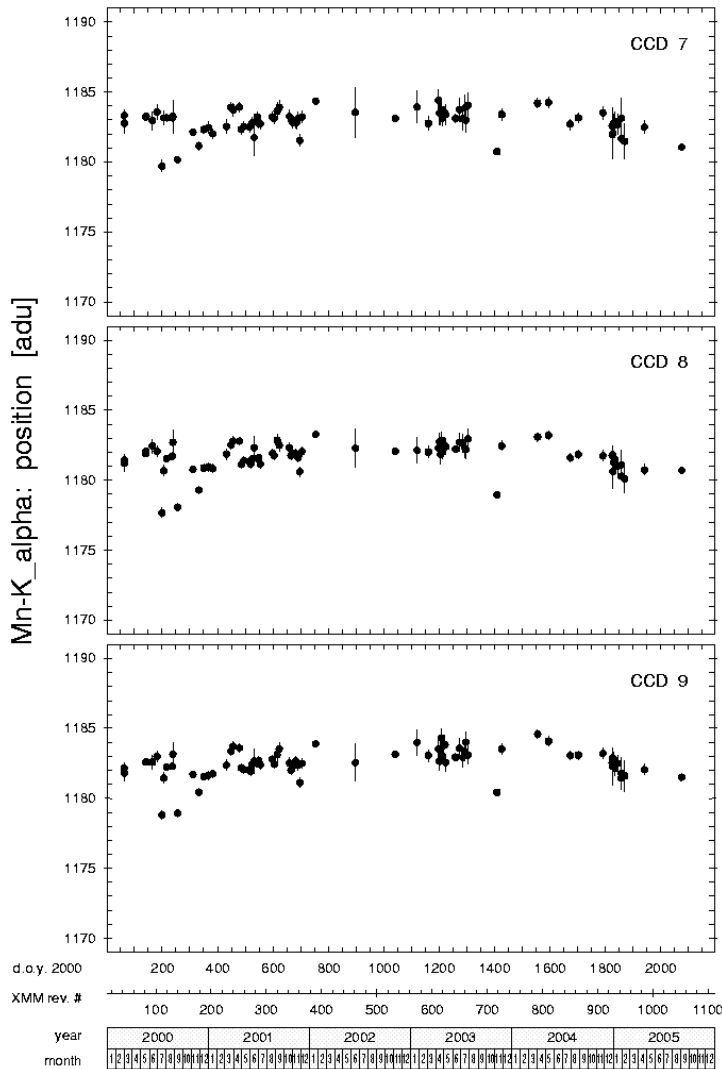


# eFF Mn-K Pos CCD 7 - 12

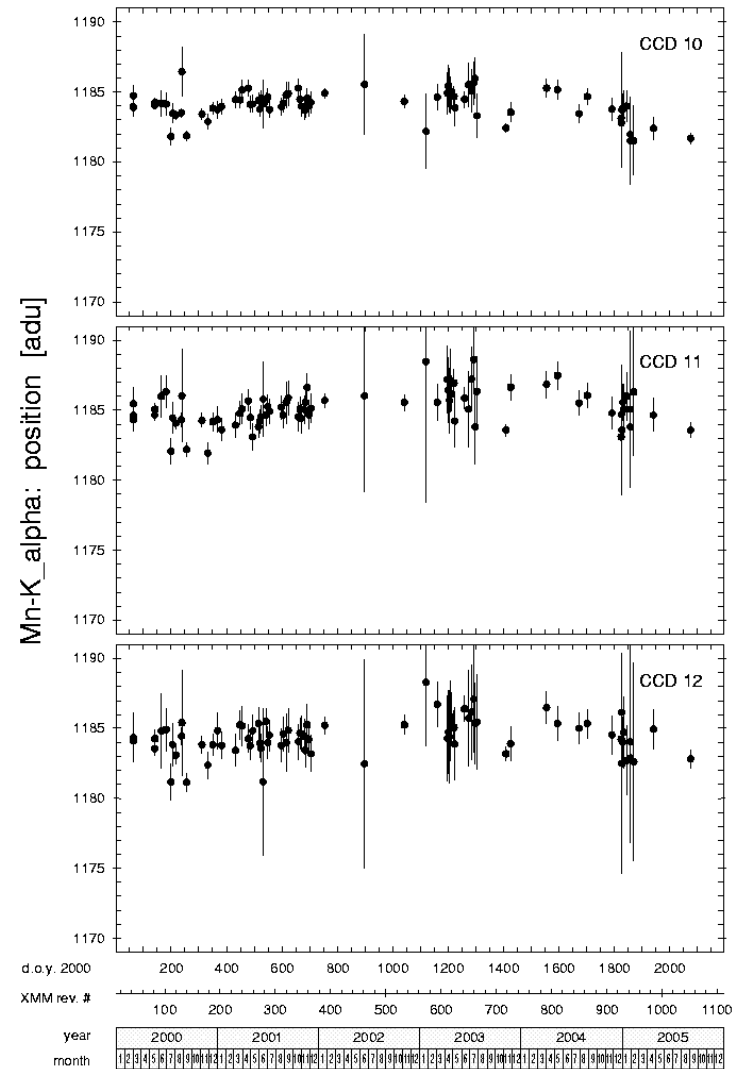
kod - EPIC pn performance monitor : pkpos2/kod MPE Off peak\_mnk\_07-09.ps (peak positions), 24-Sep-05 / 16:19:48, P 1

kod - EPIC pn performance monitor : pkpos2/kod MPE Off peak\_mnk\_10-12.ps (peak positions), 24-Sep-05 / 16:19:48, P 1

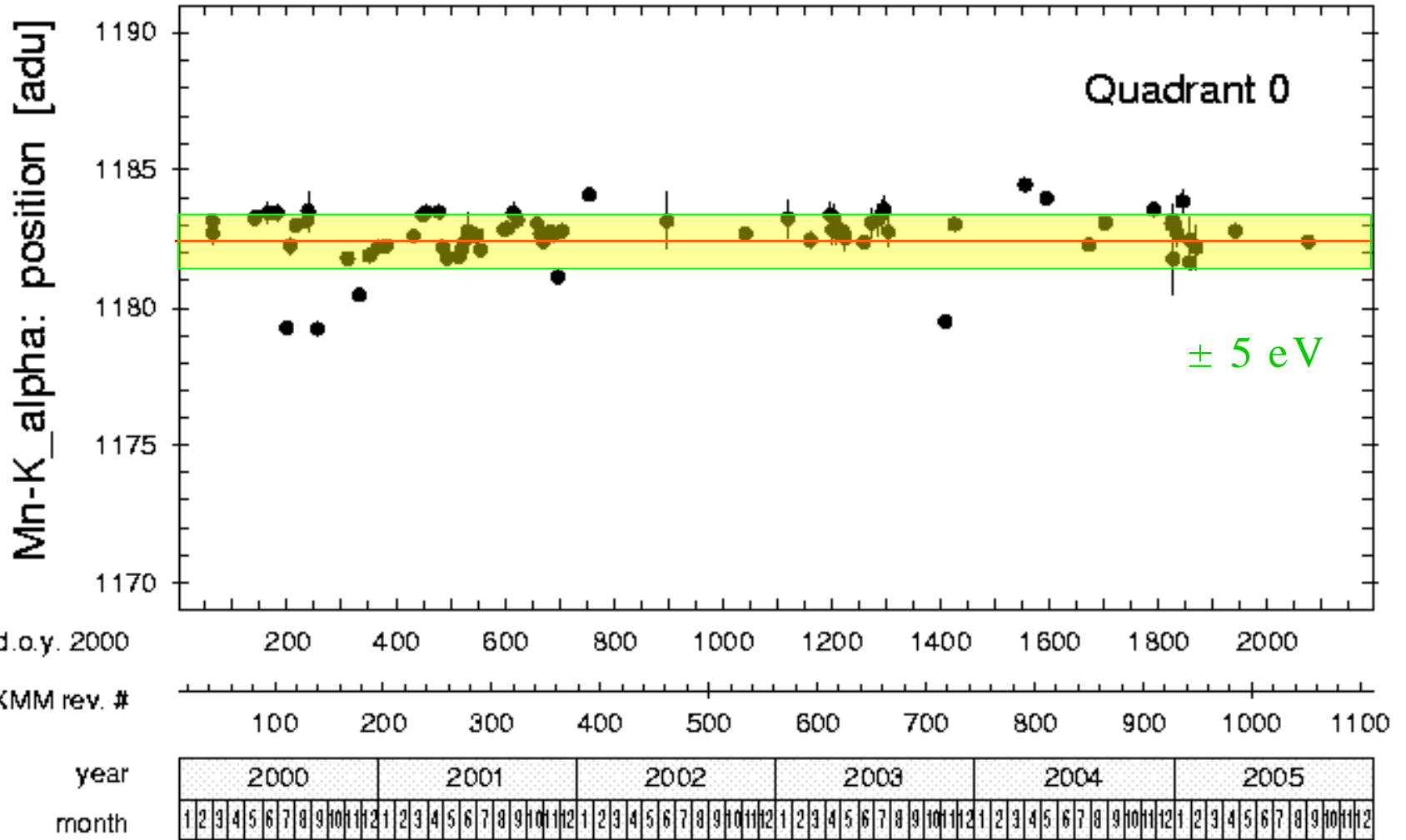
XMM - Newton / EPIC pn internal calibration source



XMM - Newton / EPIC pn internal calibration source



# eFF Mn-K Pos Quadrant 0



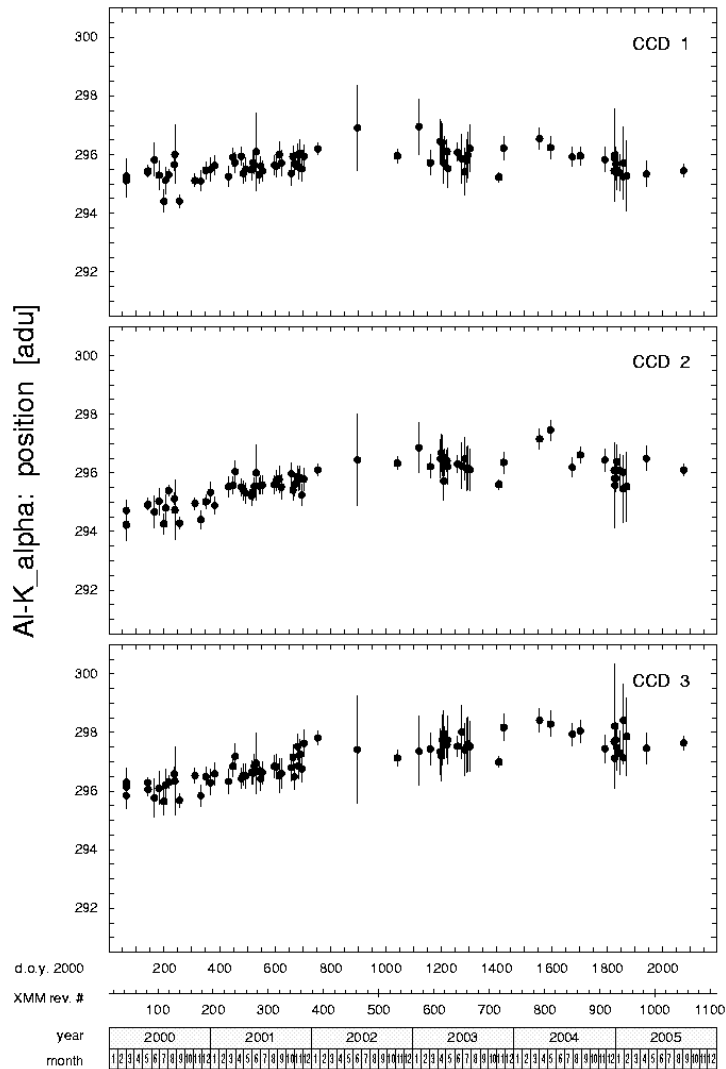


# eFF Al-K Pos CCD 1 - 6

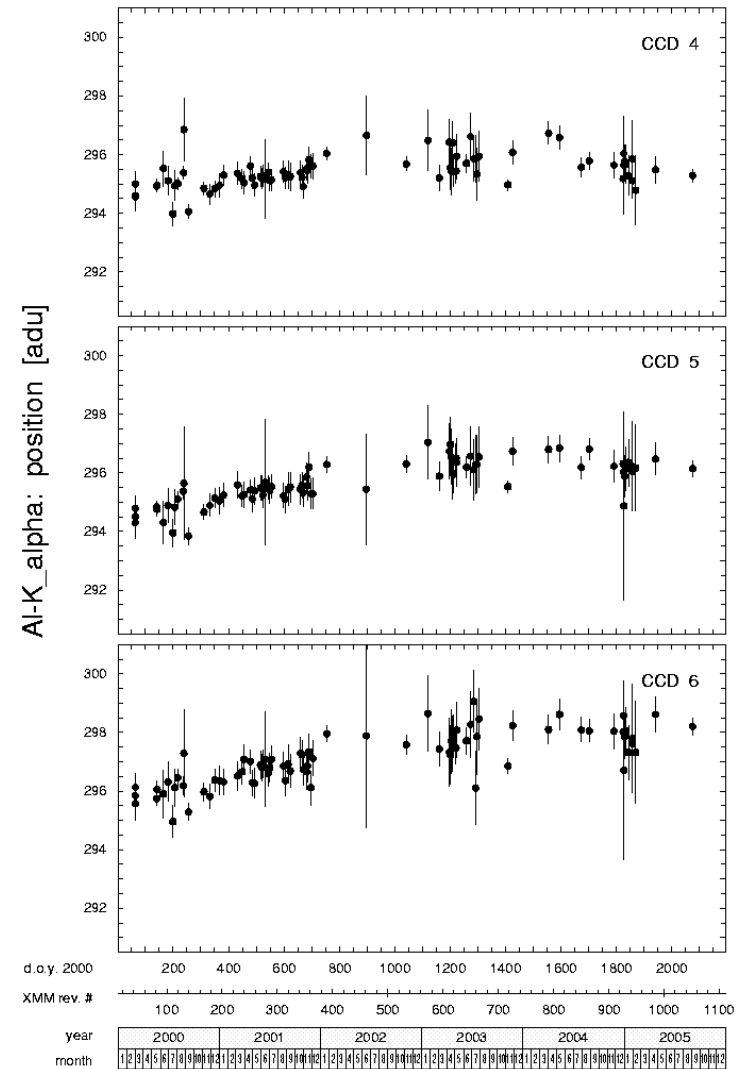
kod - EPIC pn performance monitor : pkpos2/kod MPE Offlinetype: peak\_alk\_01-03.ps (peak positions), 24-Sep-05 / 16:19:48, P 1

kod - EPIC pn performance monitor : pkpos2/kod MPE Offlinetype: peak\_alk\_04-06.ps (peak positions), 24-Sep-05 / 16:19:48, P 1

XMM - Newton / EPIC pn internal calibration source



XMM - Newton / EPIC pn internal calibration source

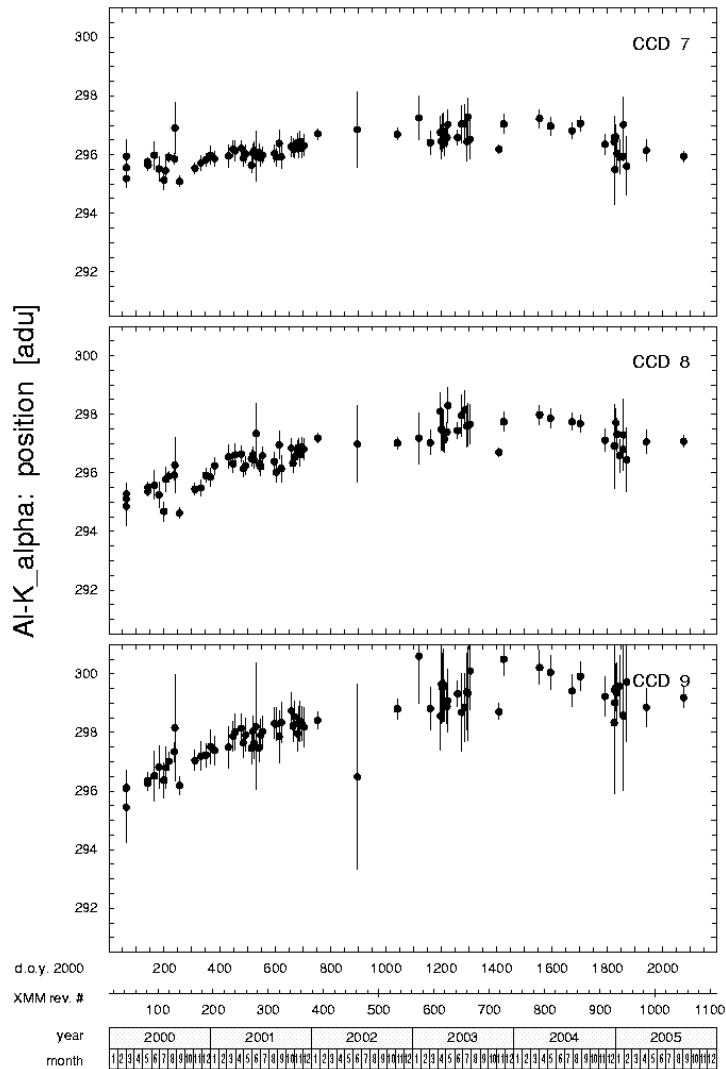


# eFF Al-K Pos CCD 7 - 12

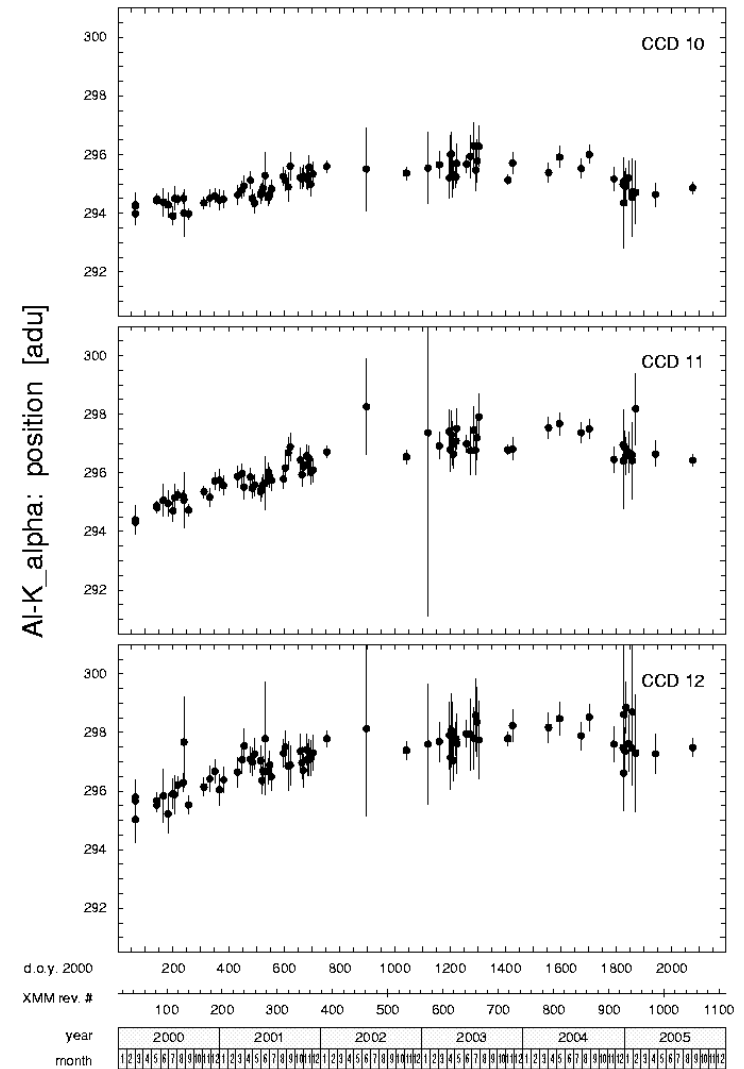
kod - EPIC pn performance monitor : pkpos2/kod MPE Offlinetype: peak\_alk\_07-09.ps (peak positions), 24-Sep-05 / 16:19:49, P 1

kod - EPIC pn performance monitor : pkpos2/kod MPE Offlinetype: peak\_alk\_10-12.ps (peak positions), 24-Sep-05 / 16:19:49, P 1

XMM - Newton / EPIC pn internal calibration source



XMM - Newton / EPIC pn internal calibration source



# eFF AL-K Pos Quadrant 0

