

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 7744 - L2 Version 3  
Chandra X-Ray Center

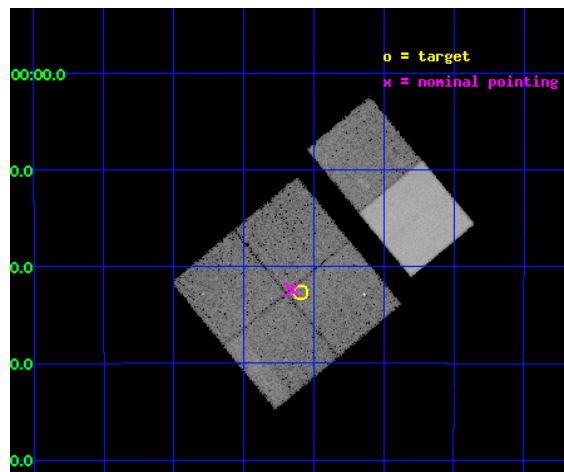
L2 Processing Date : Apr 20 2012

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# 1 Front

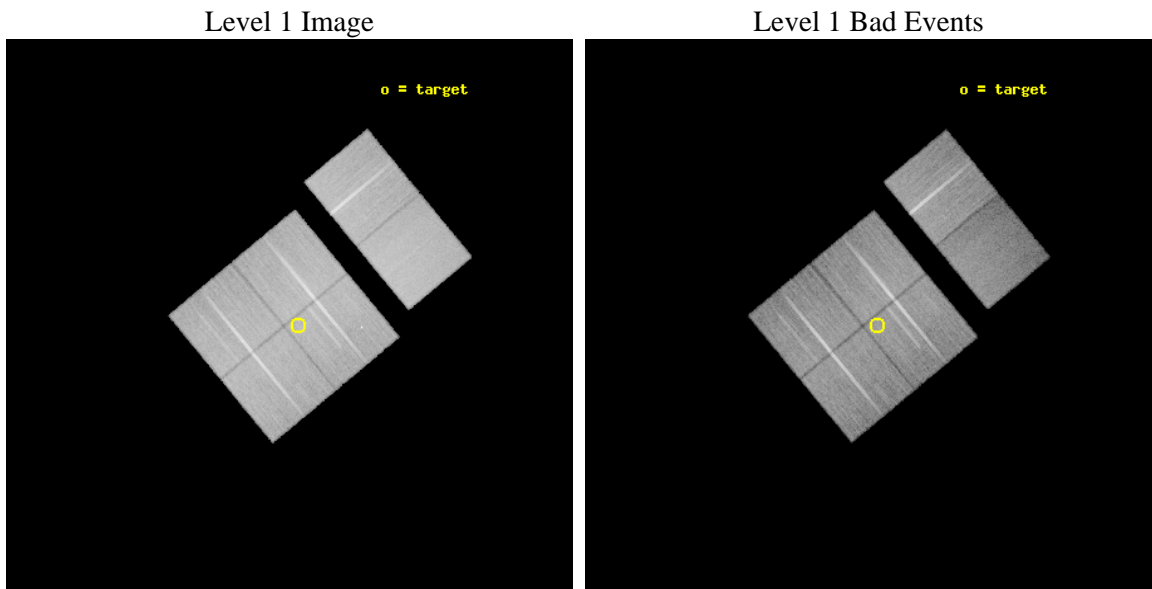
seq_num	701412	Sequence number
obs_id	7744	Observation id
title	Are AGN Quenching the Star Formation in Post-Starburst Galaxies?	P
observer	Prof. Ann Zabludoff	Principal investigator
object	EA03	Source name
dtycycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	182.272917	Observer's specified target RA [deg]
dec_targ	-12.376667	Observer's specified target Dec [deg]
ra_nom	182.28917555561	Nominal RA [deg]
dec_nom	-12.373360702311	Nominal Dec [deg]
roll_nom	50.378067680688	Nominal Roll [deg]
revision	3	Processing version of data
ontime	30137.599887788	Sum of GTIs [s]
livetime	29755.979451325	Livetime [s]
ontime0	30134.358897388	Sum of GTIs [s]
ontime1	30137.599887788	Sum of GTIs [s]
ontime2	30131.117867172	Sum of GTIs [s]
ontime3	30137.599887788	Sum of GTIs [s]
ontime6	30137.599887788	Sum of GTIs [s]
ontime7	30137.599887788	Sum of GTIs [s]
l2events	211478	Number of level 2 events



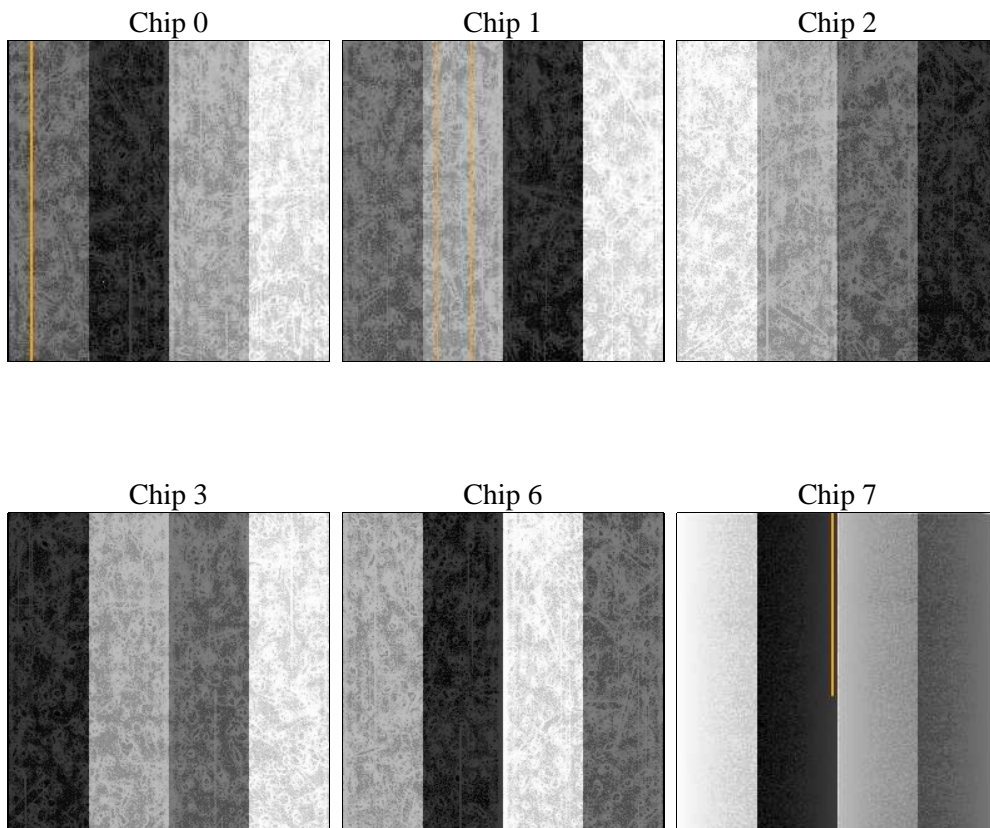
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	30137.599887788	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	30134.358897388	Sum of GTIs [s]
date	2012-04-20T15:04:03	Date and time of file creation	ontime1	30137.599887788	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	30131.117867172	Sum of GTIs [s]
			ontime3	30137.599887788	Sum of GTIs [s]
			ontime6	30137.599887788	Sum of GTIs [s]
			ontime7	30137.599887788	Sum of GTIs [s]
			l1events	1419305	Number of level 1 events

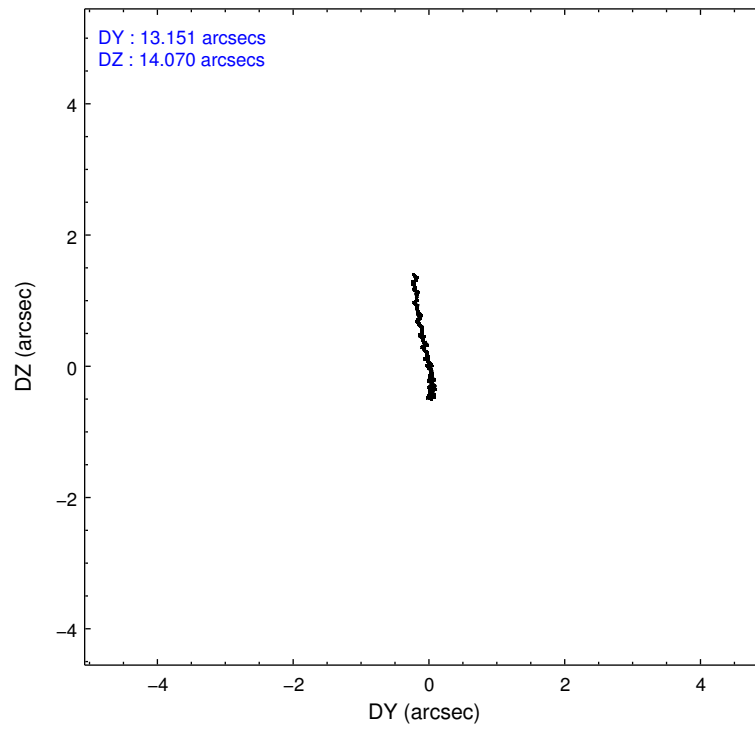
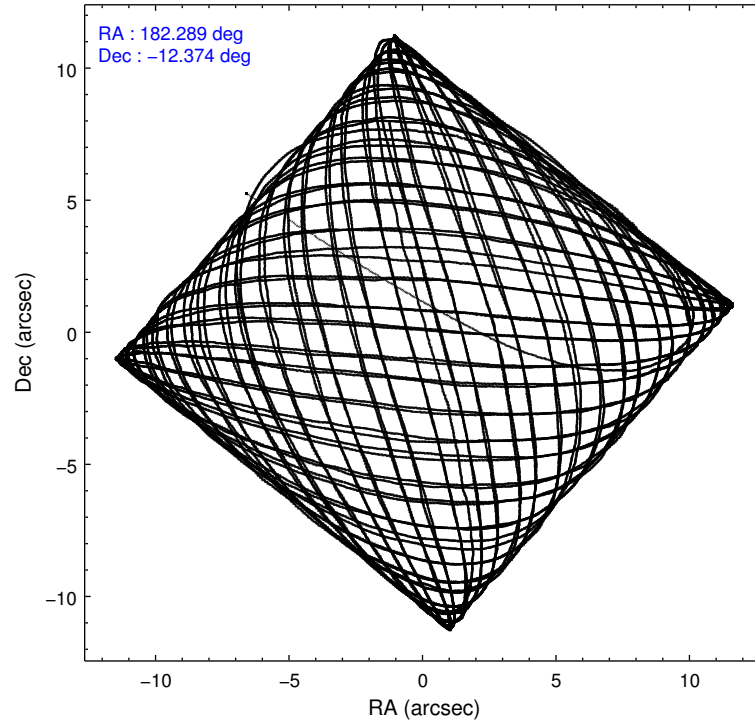
### 2.1.4 Events

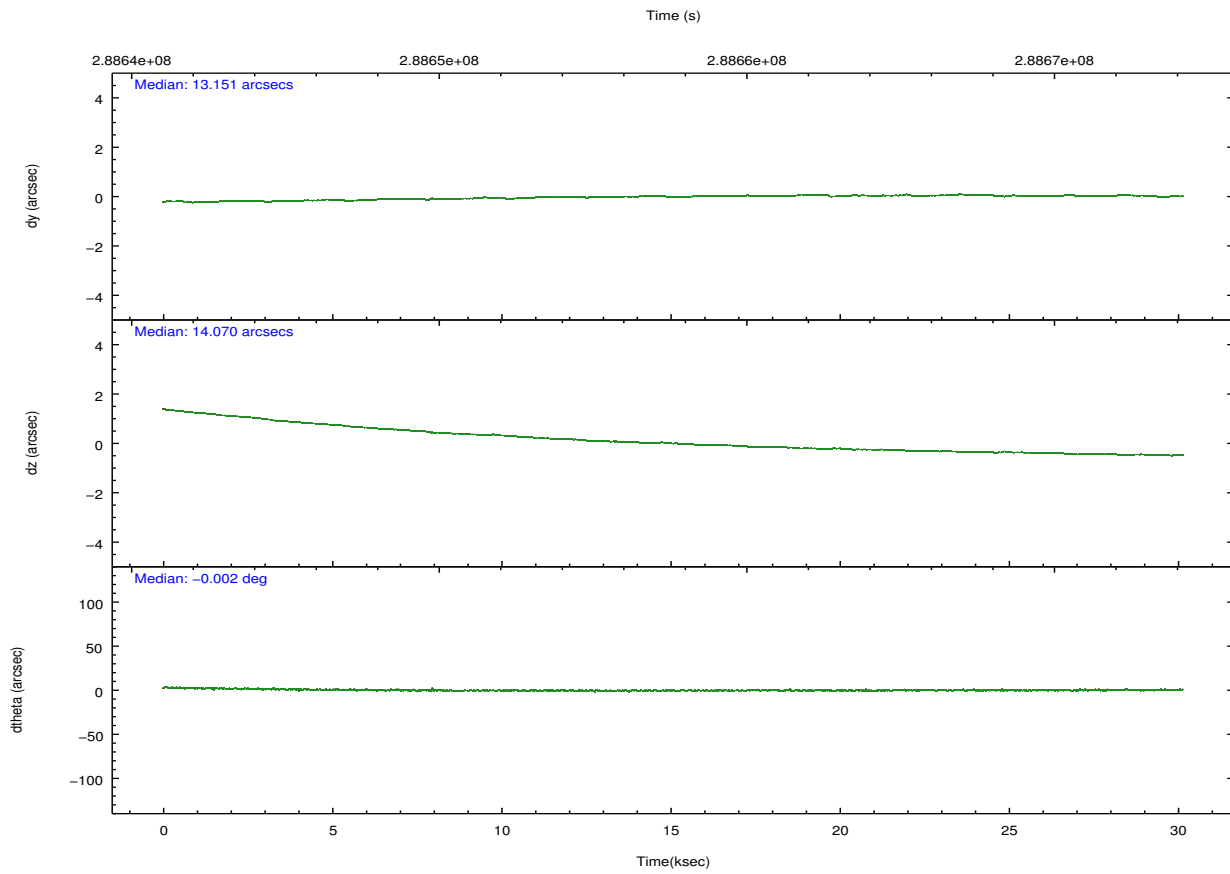
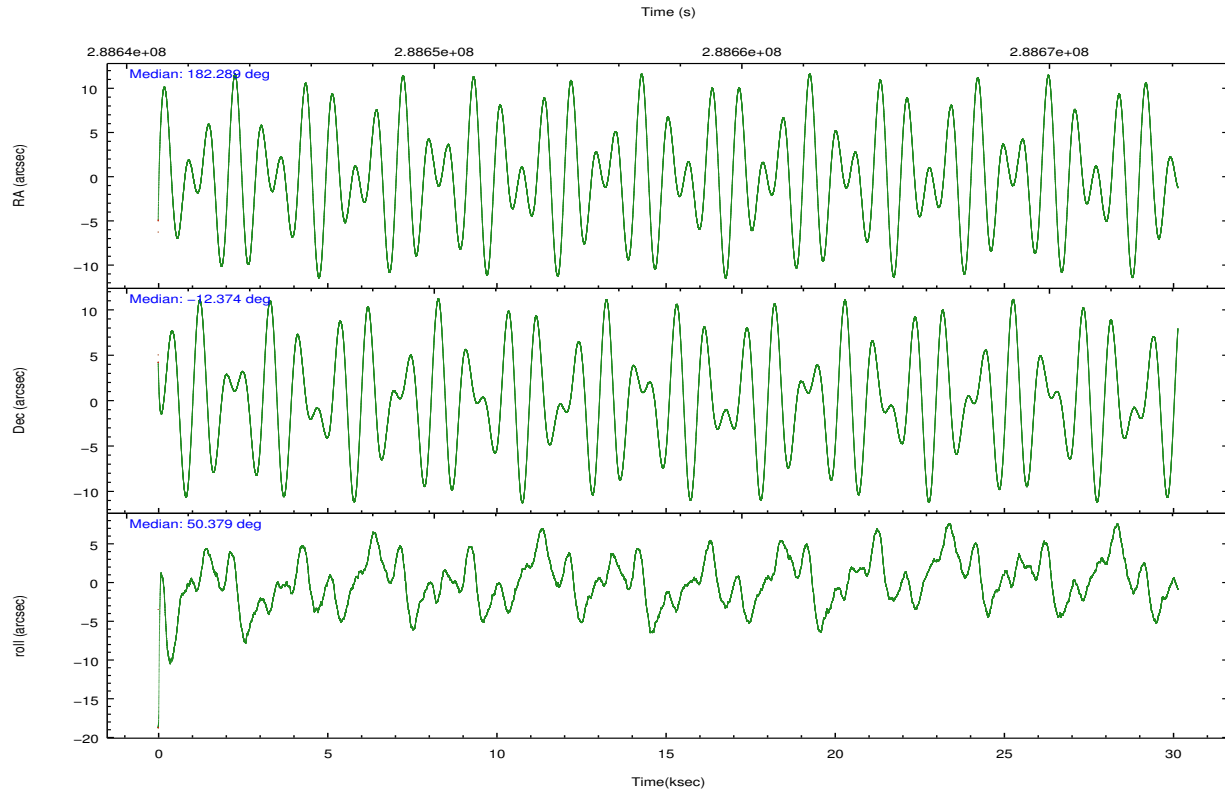
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	222250	220123	241556	229631	244526	261219	grade 0 events	8013	9120	7902	7931	8372	10943
rejected events	199147	194635	219386	207575	220347	143461		3%	4%	3%	3%	3%	4%
rejected %	89%	88%	90%	90%	90%	54%	grade 1 events	139	122	139	146	121	334
								0%	0%	0%	0%	0%	0%
							grade 2 events	5621	5628	5328	4734	5404	23665
								2%	2%	2%	2%	2%	9%
							grade 3 events	2648	2824	2462	2547	2675	11210
								1%	1%	1%	1%	1%	4%
							grade 4 events	2520	2725	2483	2509	2658	10639
								1%	1%	1%	1%	1%	4%
							grade 5 events	8109	8963	7654	9283	9521	27885
								3%	4%	3%	4%	3%	10%
							grade 6 events	4387	5288	4108	4422	5188	61816
								1%	2%	1%	1%	2%	23%
							grade 7 events	190813	185453	211480	198059	210587	114727
								85%	84%	87%	86%	86%	43%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	182.284567	182.2891755556082	CCD I2 on	Y	Y
[deg] Pointing Dec	-12.400489	-12.3733607023113	CCD I3 on	Y	Y
[deg] Pointing Roll	50.168398	50.37806768068826	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	288642657.184000	288641543.03792	CCD S5 on	N	N
Observation start date	2007-02-23T18:29:52	2007-02-23T18:12:23	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	288672657.184000	288673324.70193	On-chip summing requested	N	N
Observation end date	2007-02-24T02:49:52	2007-02-24T03:02:04	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



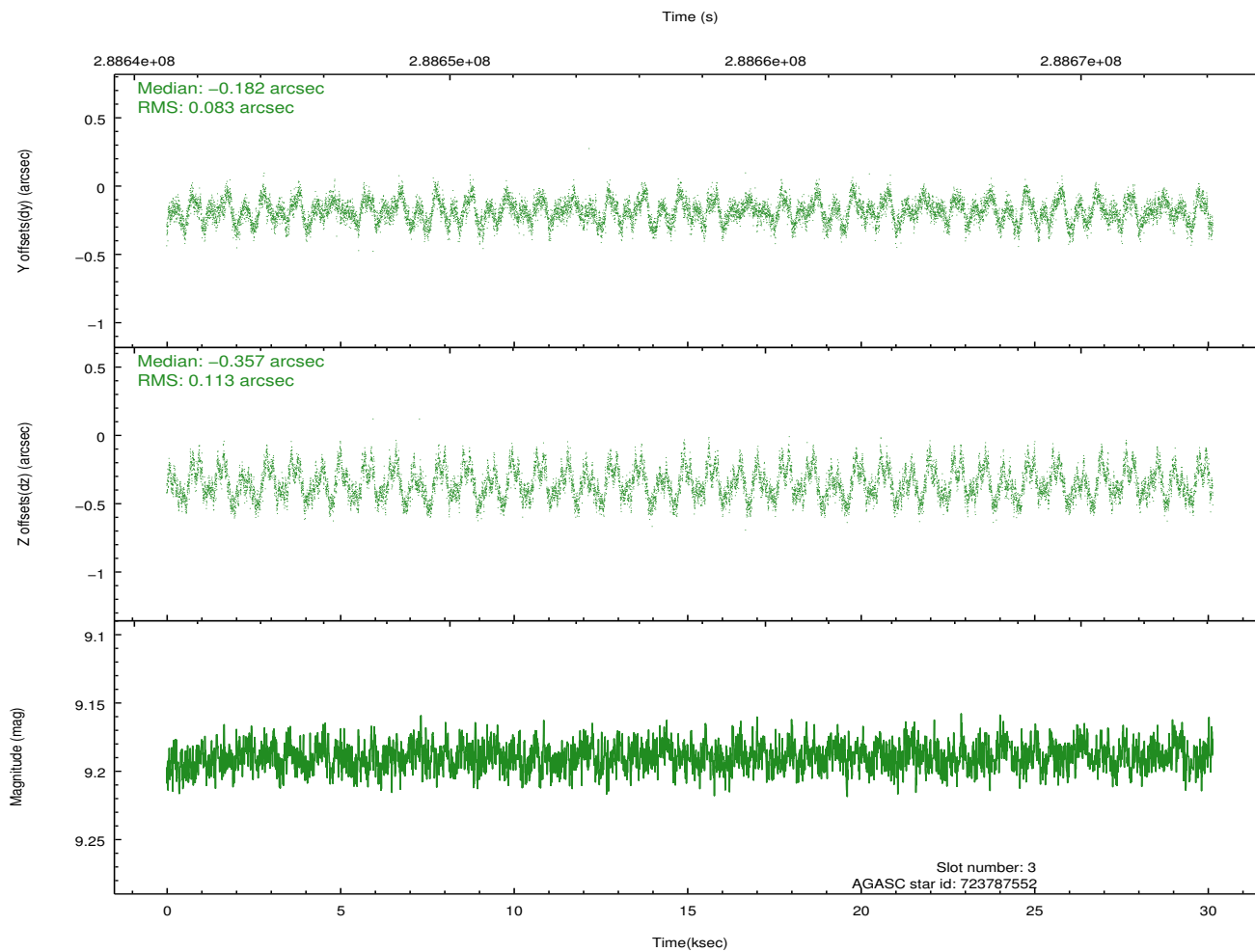
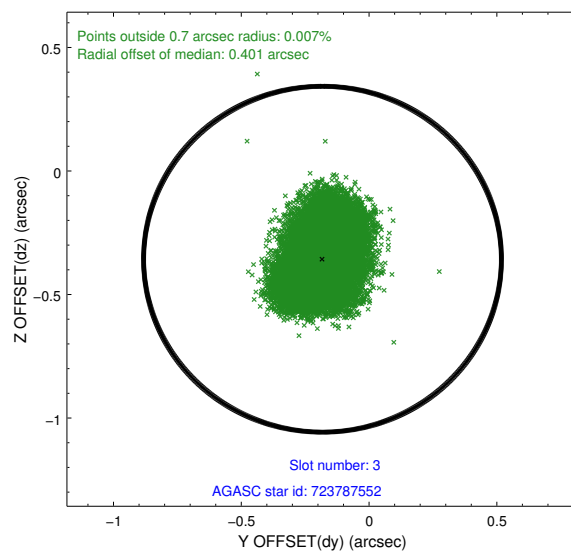
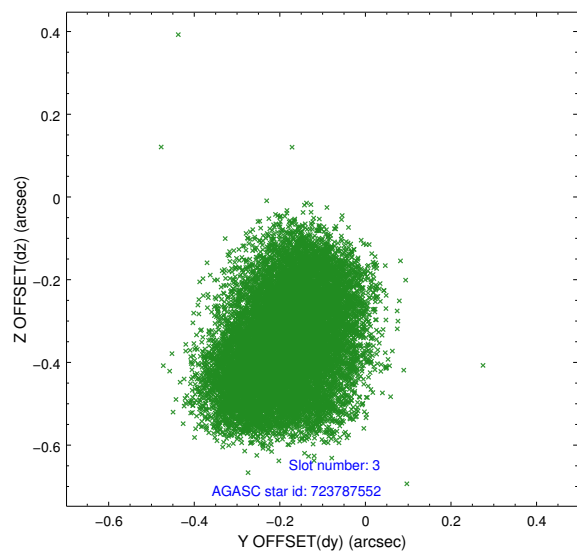


### Slot Statistics

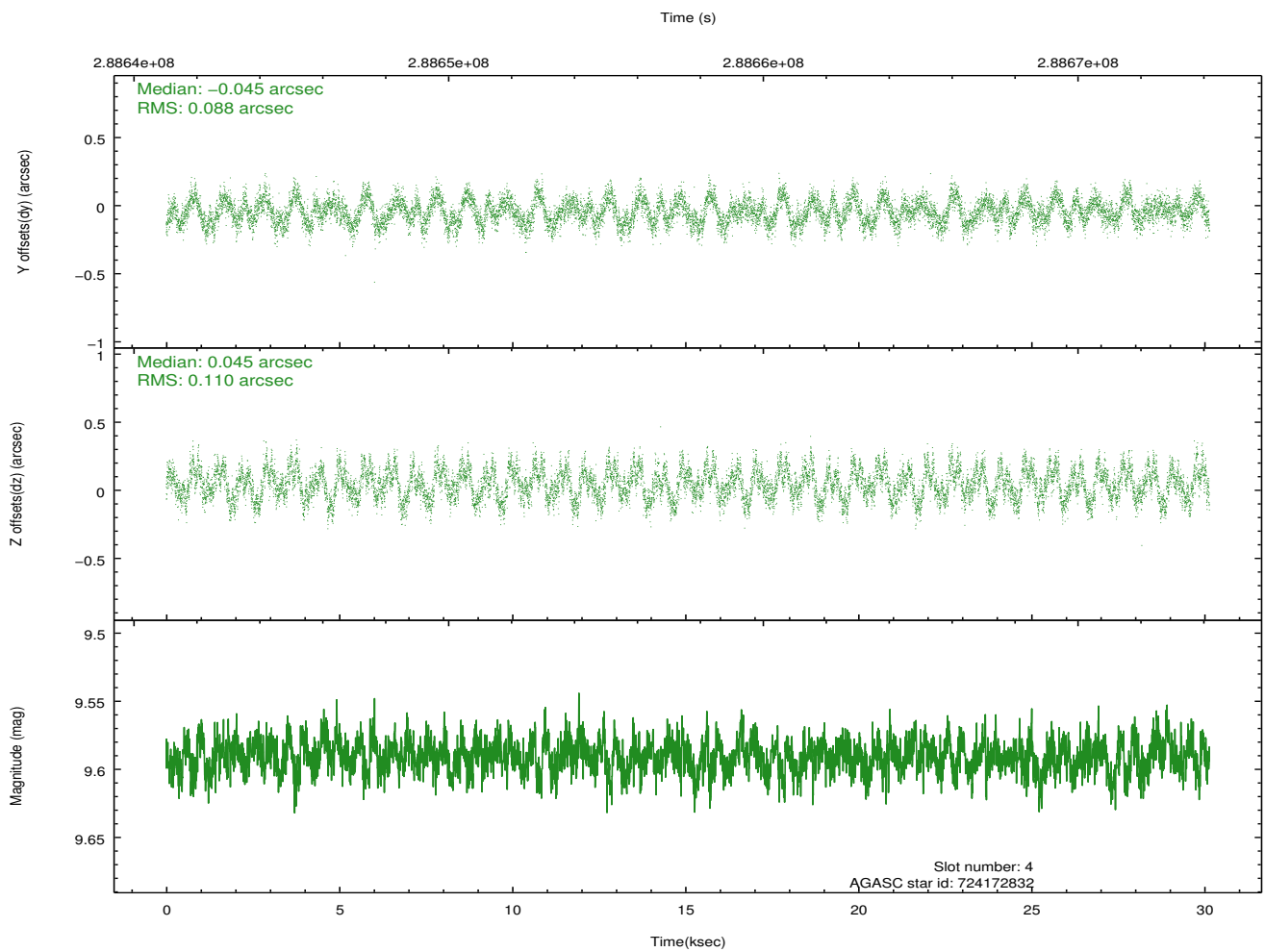
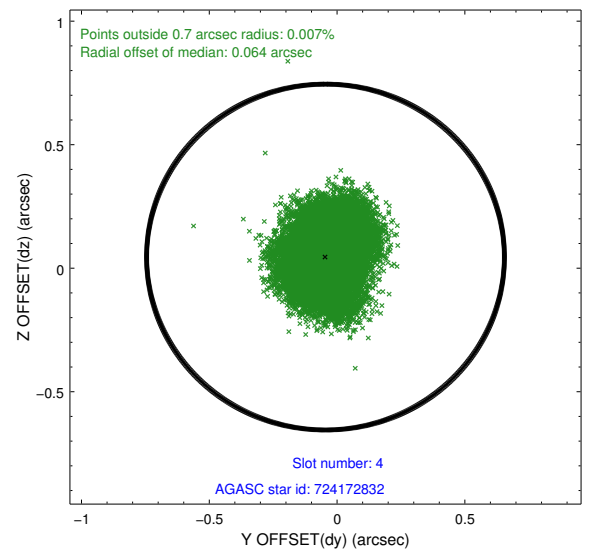
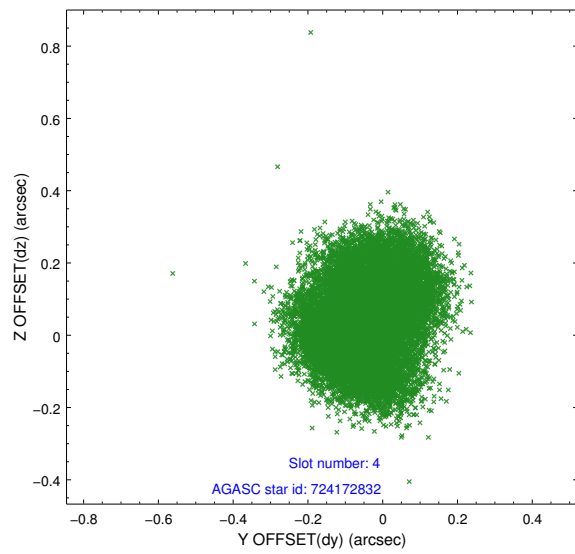
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	7353	0.037	0.005	0.012	0.040	0.000000	0.000000	926.44	-837.78
1	FID	ACIS-I-5	7.23	7352	-0.214	0.042	0.008	0.014	0.000000	0.000000	-1821.89	1059.70
2	FID	ACIS-I-6	7.24	7352	0.087	0.022	0.014	0.041	0.000000	0.000000	391.94	1704.28
3	GUIDE	723787552	9.19	14692	-0.182	-0.357	0.154	0.234	182.362219	-12.237989	624.47	164.82
4	GUIDE	724172832	9.59	14693	-0.045	0.045	0.154	0.231	182.574895	-12.501612	374.06	-1016.80
5	GUIDE	724175256	10.04	14683	0.227	0.220	0.245	0.410	182.550008	-13.079582	-1280.89	-2280.63
6	GUIDE	724175656	9.89	14686	0.130	0.141	0.185	0.272	182.316512	-13.030137	-1668.48	-1537.71
7	GUIDE	723784632	10.32	14677	-0.105	-0.055	0.317	0.453	182.512350	-11.748471	2316.68	886.90

## 2.4 Star Slots

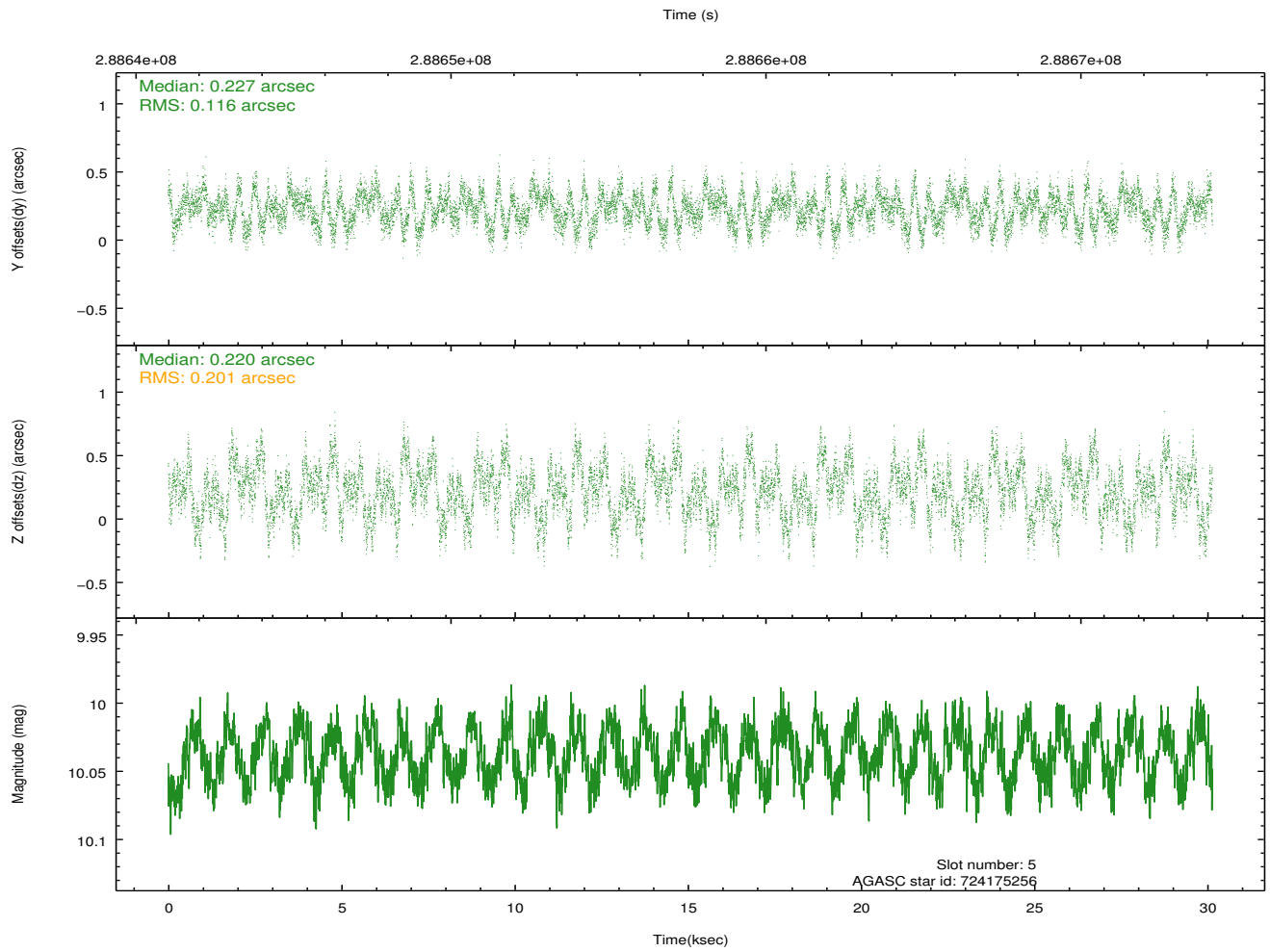
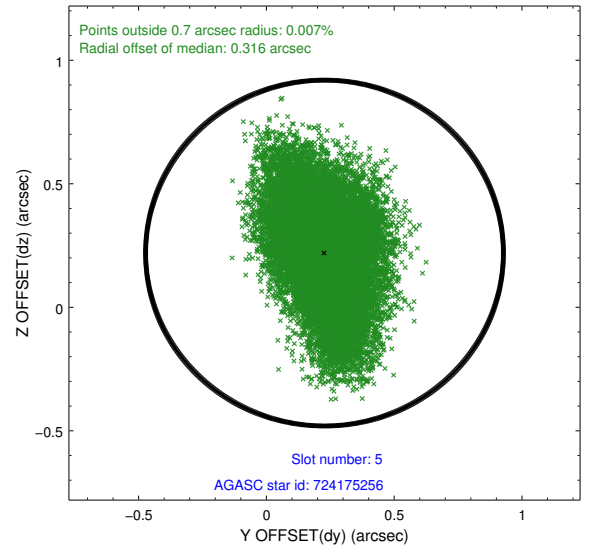
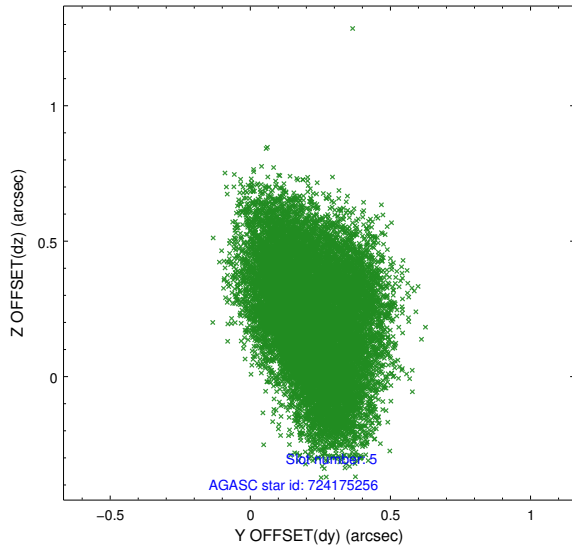
### 2.4.1 Slot 3



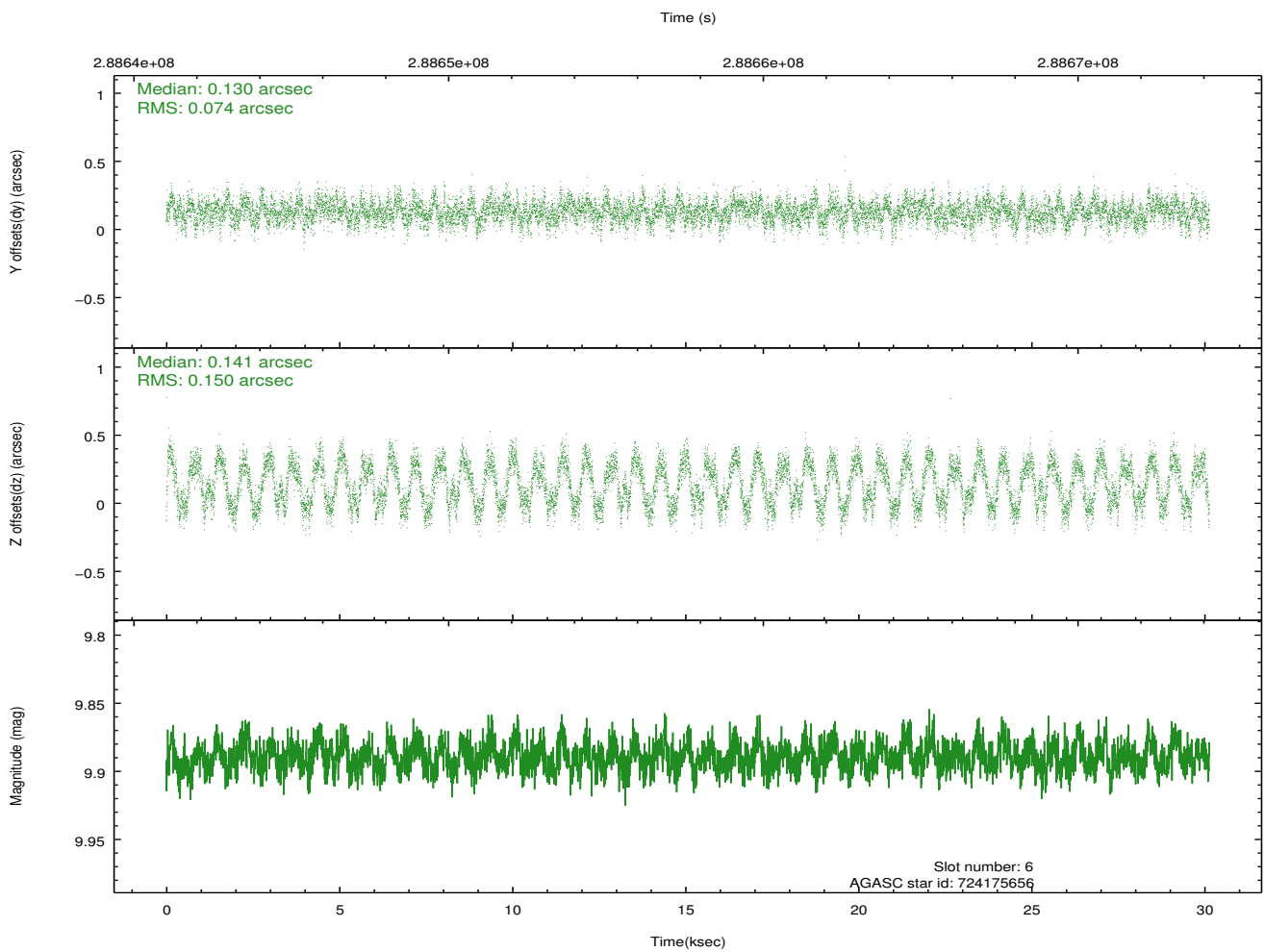
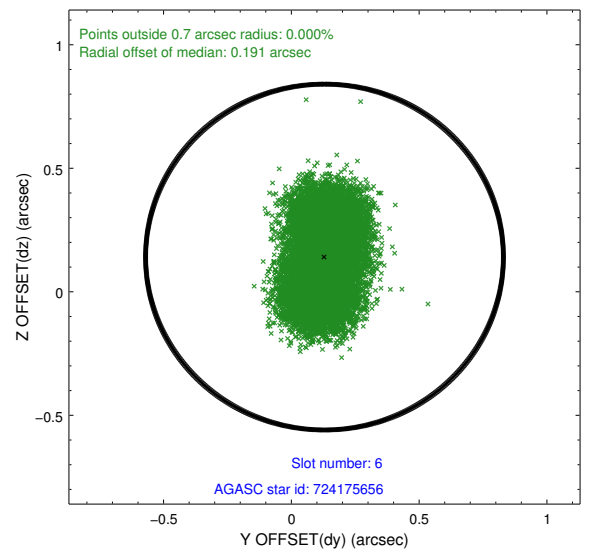
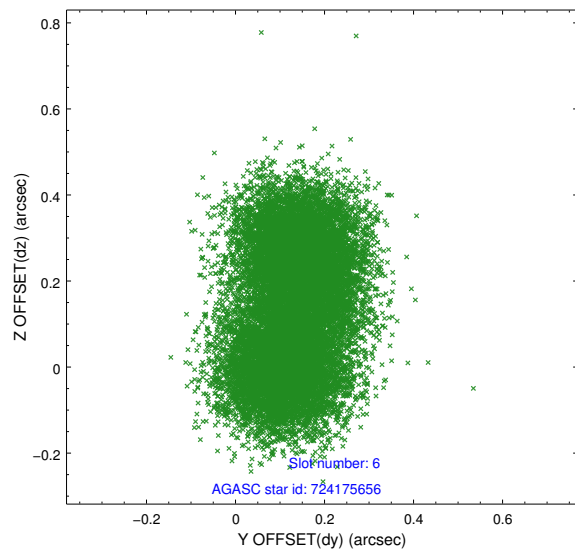
## 2.4.2 Slot 4



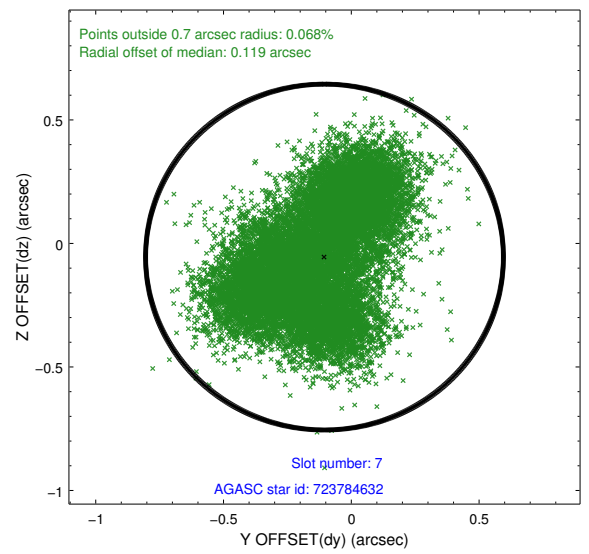
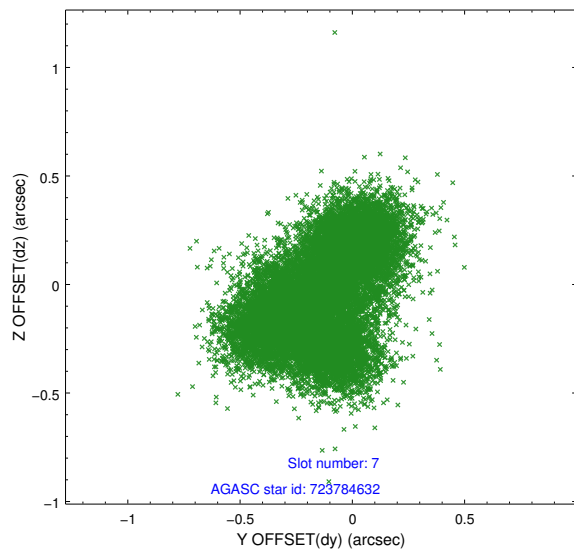
### 2.4.3 Slot 5



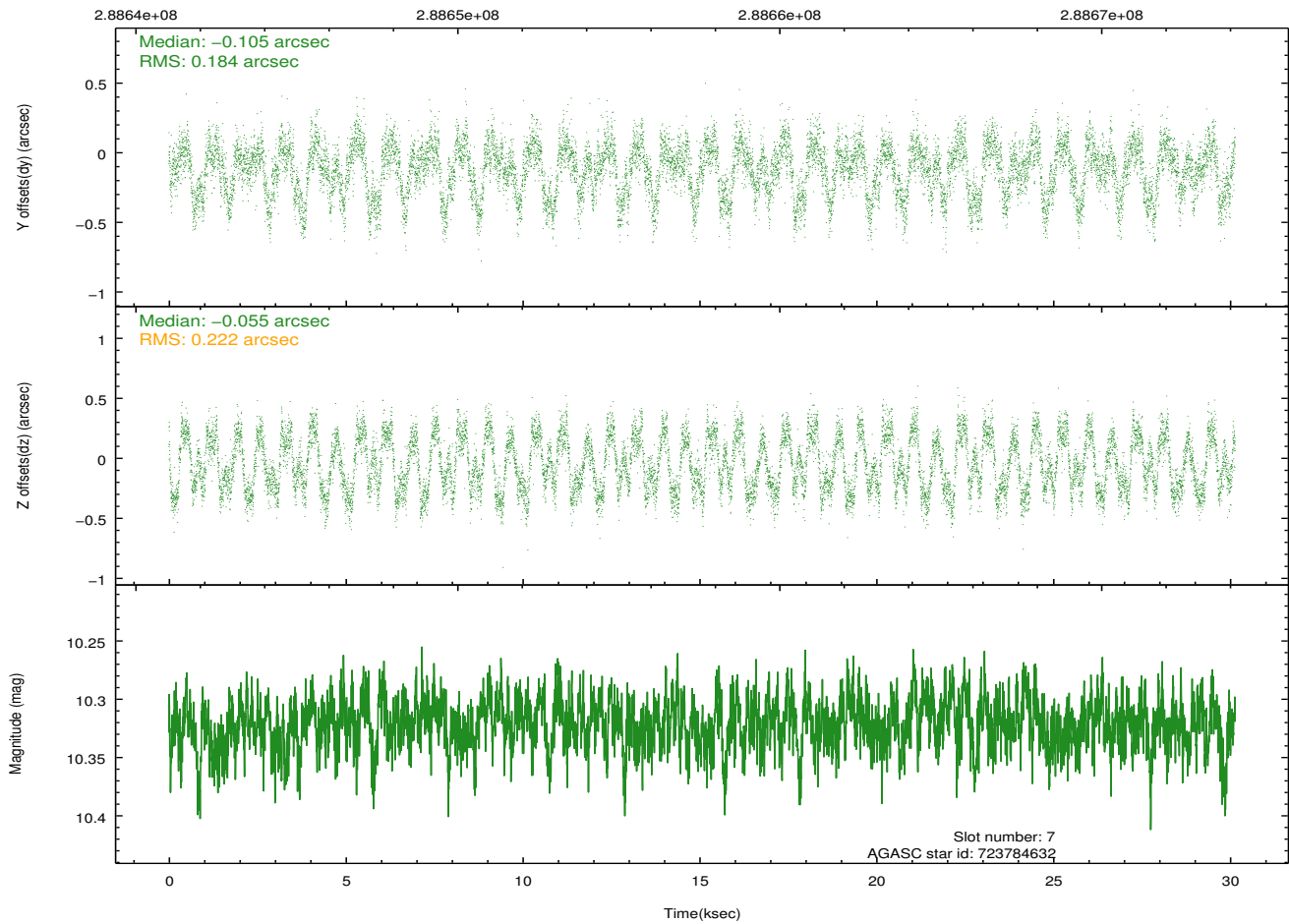
## 2.4.4 Slot 6



## 2.4.5 Slot 7

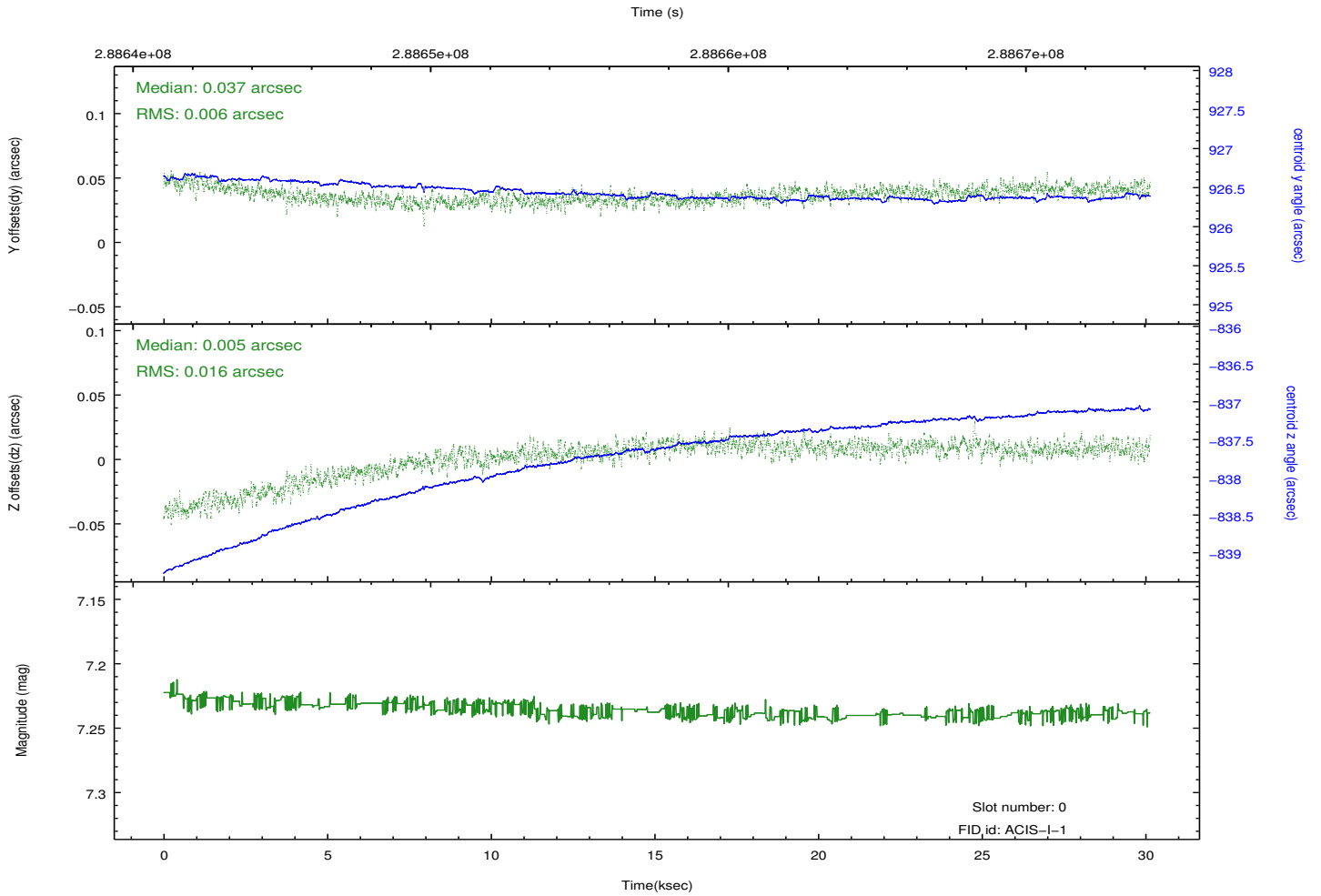
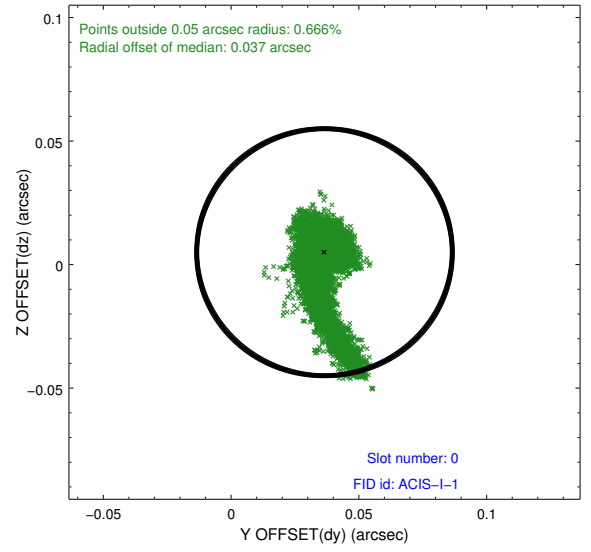
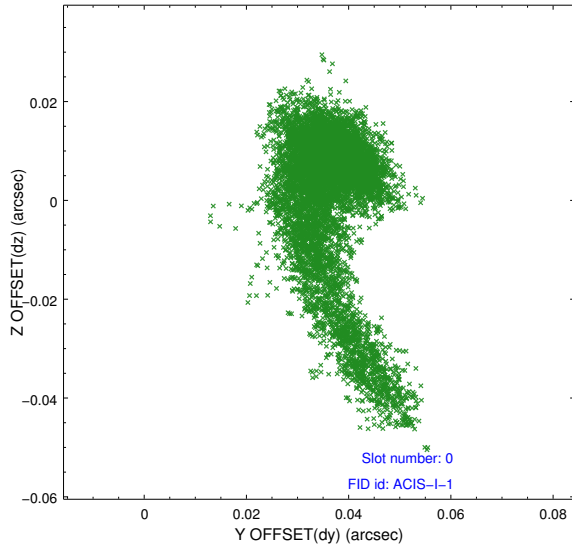


Time (s)

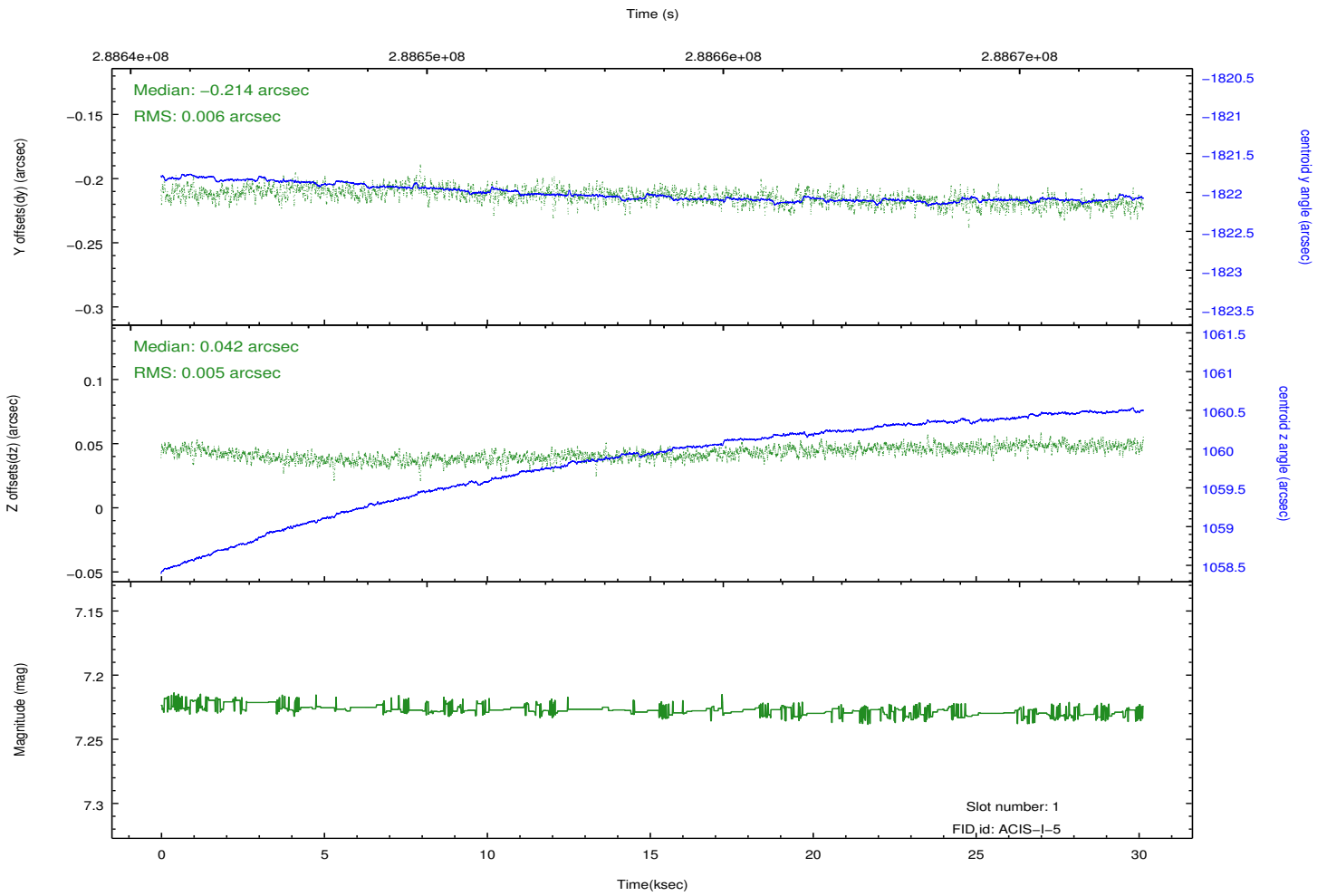
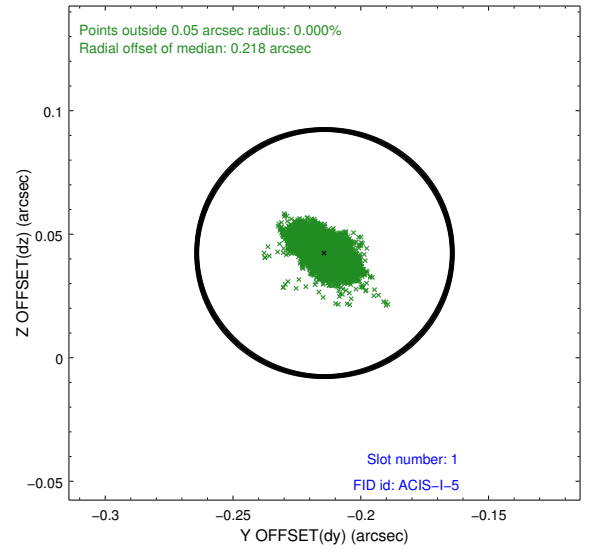
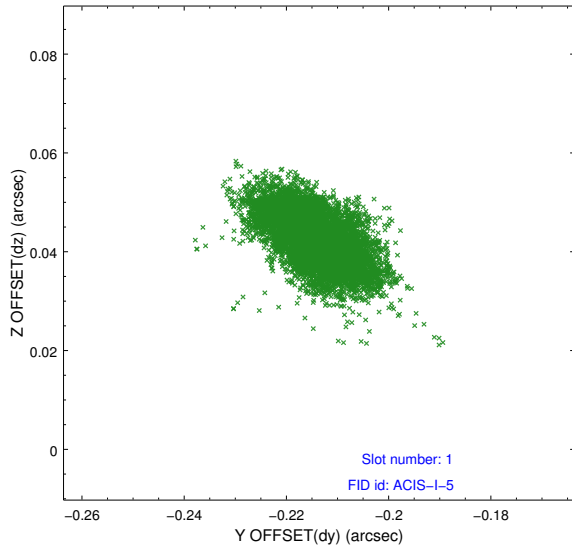


## 2.5 FID Slots

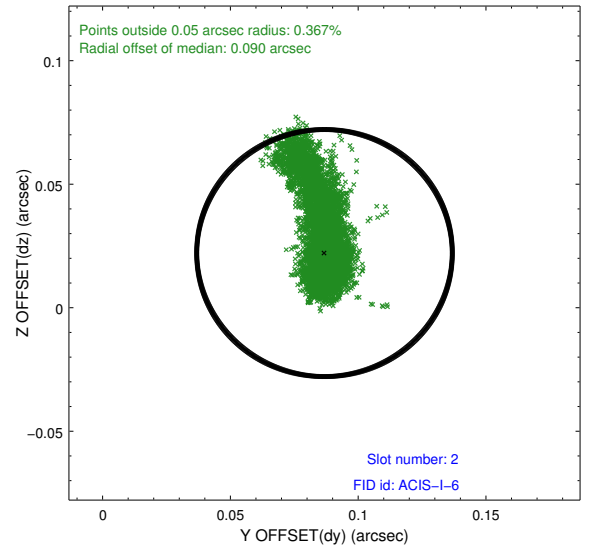
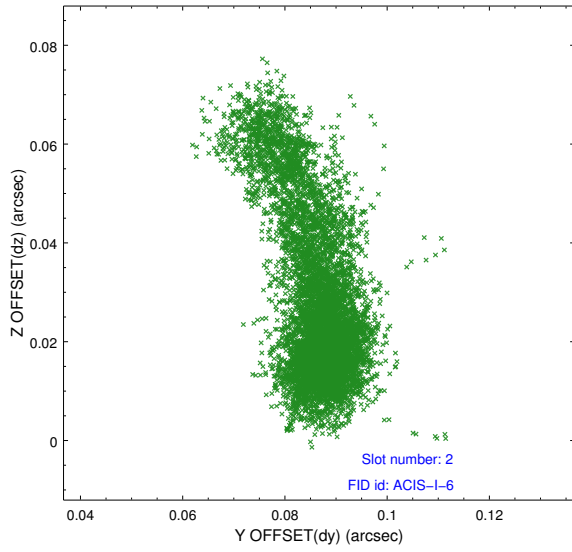
### 2.5.1 Slot 0



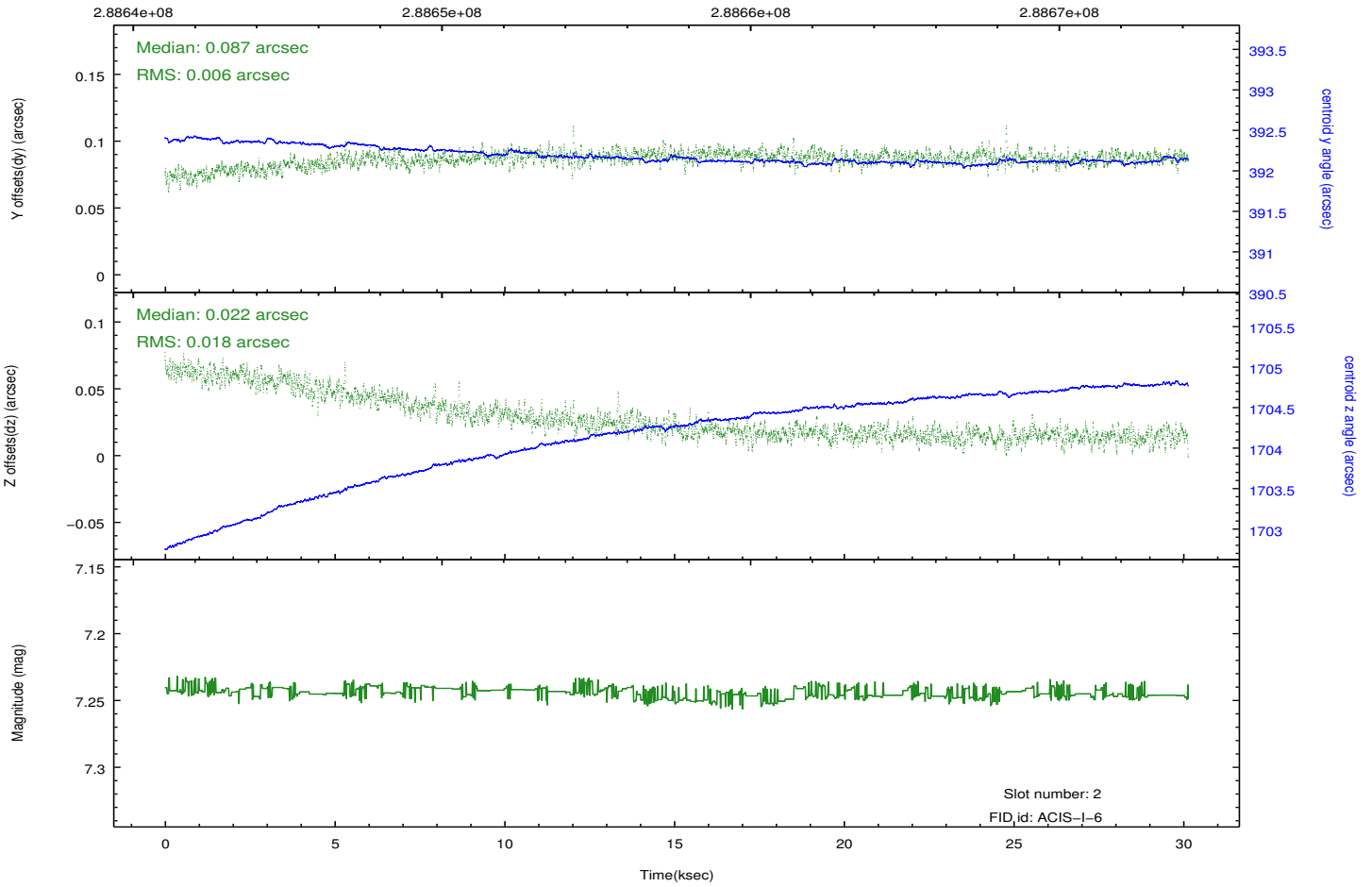
## 2.5.2 Slot 1



### 2.5.3 Slot 2



Time (s)



# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.06.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.1375998

## A.2 Comments