

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3212 - L2 Version 3  
Chandra X-Ray Center

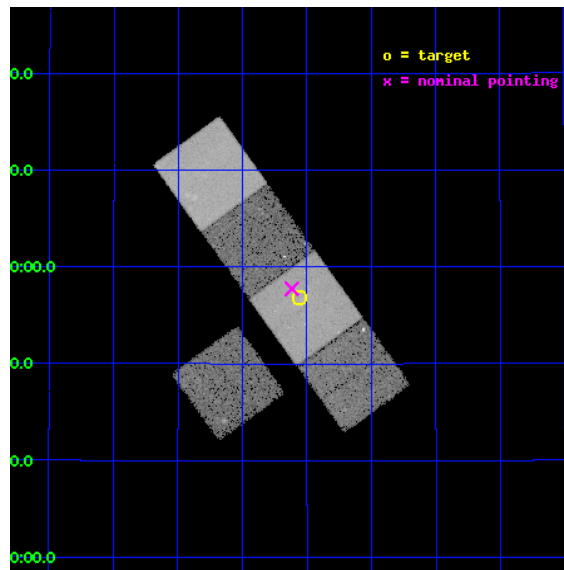
L2 Processing Date : Oct 18 2012

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# 1 Front

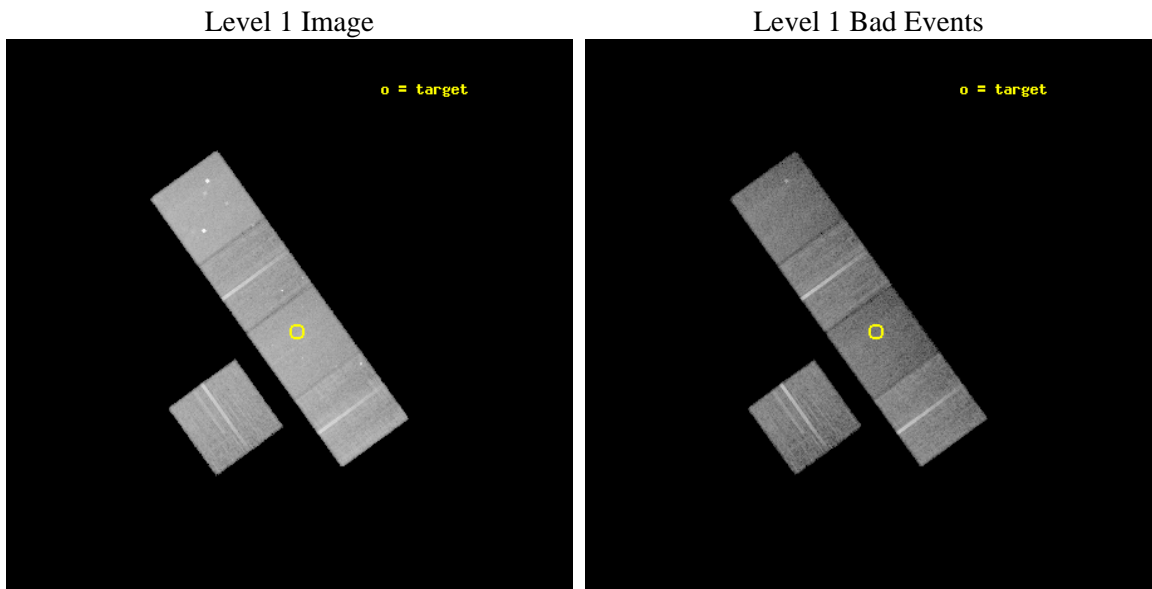
seq_num	800212	Sequence number
obs_id	3212	Observation id
title	THE X-RAY STRUCTURE OF OLD, HIGH LUMINOSITY FOSSIL GALAXY GROUPS	P
observer	Dr Laurence Jones	Principal investigator
object	RXJ1256.0+2556	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	194.014167	Observer's specified target RA [deg]
dec_targ	25.946667	Observer's specified target Dec [deg]
ra_nom	194.02918458715	Nominal RA [deg]
dec_nom	25.962405397224	Nominal Dec [deg]
roll_nom	54.133711698267	Nominal Roll [deg]
revision	3	Processing version of data
ontime	28103.691112101	Sum of GTIs [s]
livetime	27736.495698085	Livetime [s]
ontime3	28100.427011967	Sum of GTIs [s]
ontime5	28103.650072098	Sum of GTIs [s]
ontime6	28094.186141372	Sum of GTIs [s]
ontime7	28103.691112101	Sum of GTIs [s]
ontime8	28100.38596195	Sum of GTIs [s]
l2events	215542	Number of level 2 events



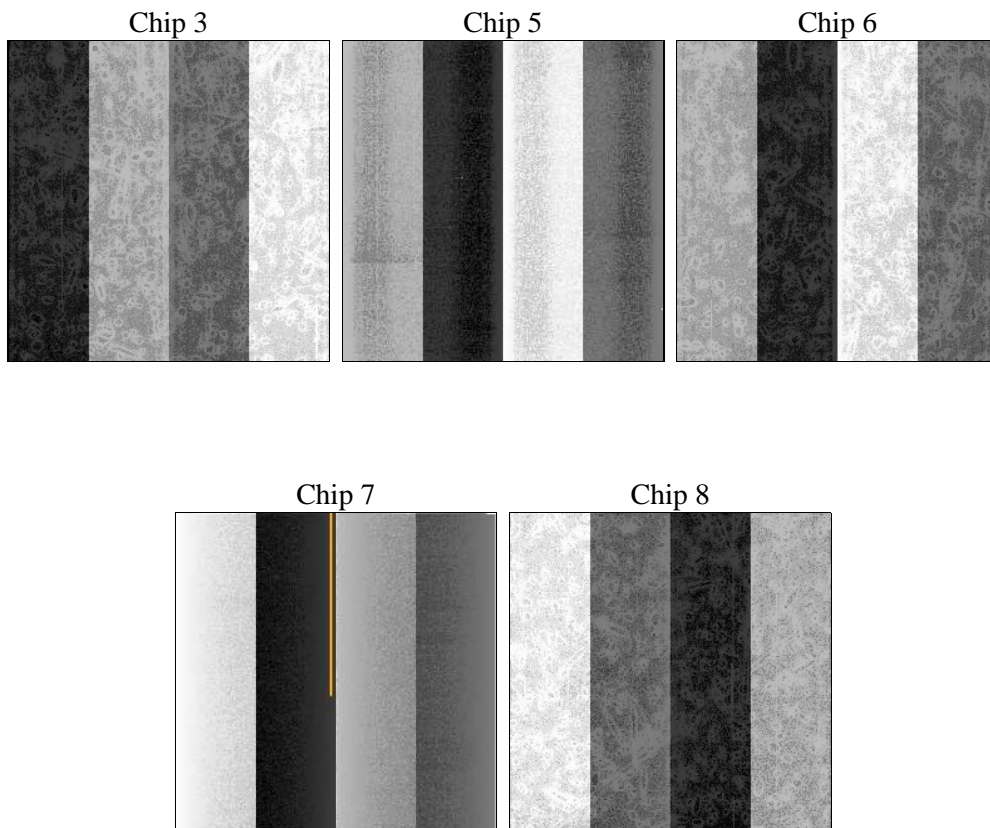
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	28000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	28103.691112101	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime3	28100.427011967	Sum of GTIs [s]
date	2012-10-18T14:31:53	Date and time of file creation	ontime5	28103.650072098	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	28094.186141372	Sum of GTIs [s]
			ontime7	28103.691112101	Sum of GTIs [s]
			ontime8	28100.38596195	Sum of GTIs [s]
			l1events	869804	Number of level 1 events

### 2.1.4 Events

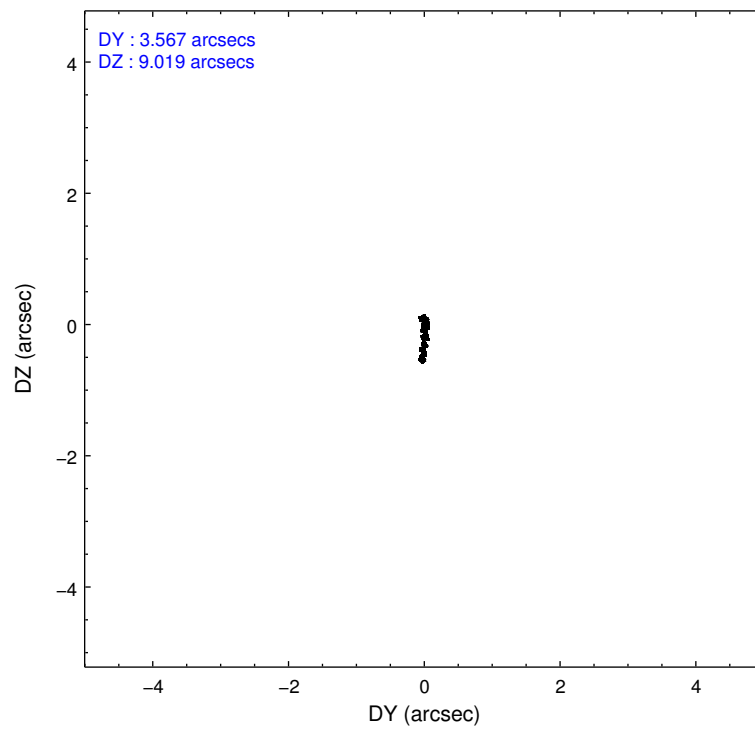
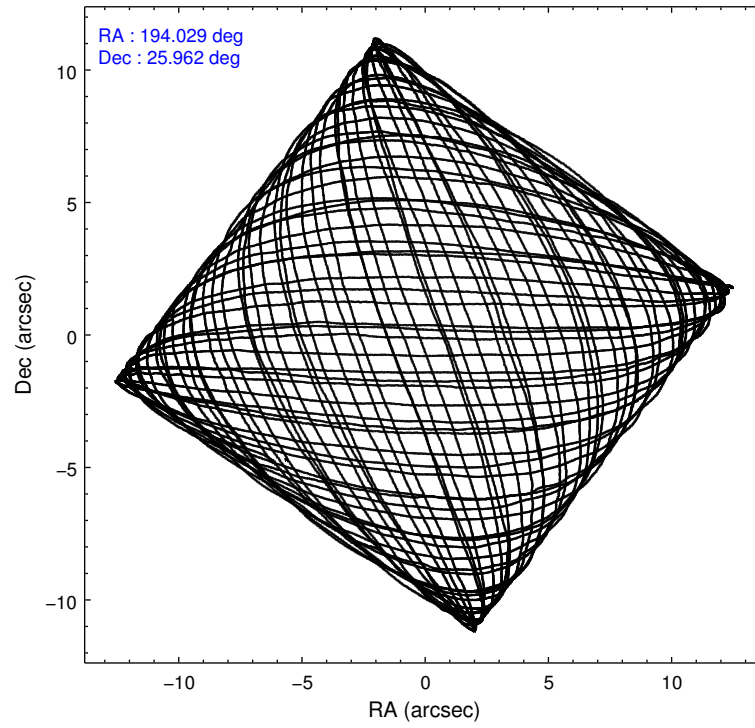
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	148905	206695	153057	168893	192254
rejected events	134759	100486	136562	90240	149295
rejected %	90%	48%	89%	53%	77%

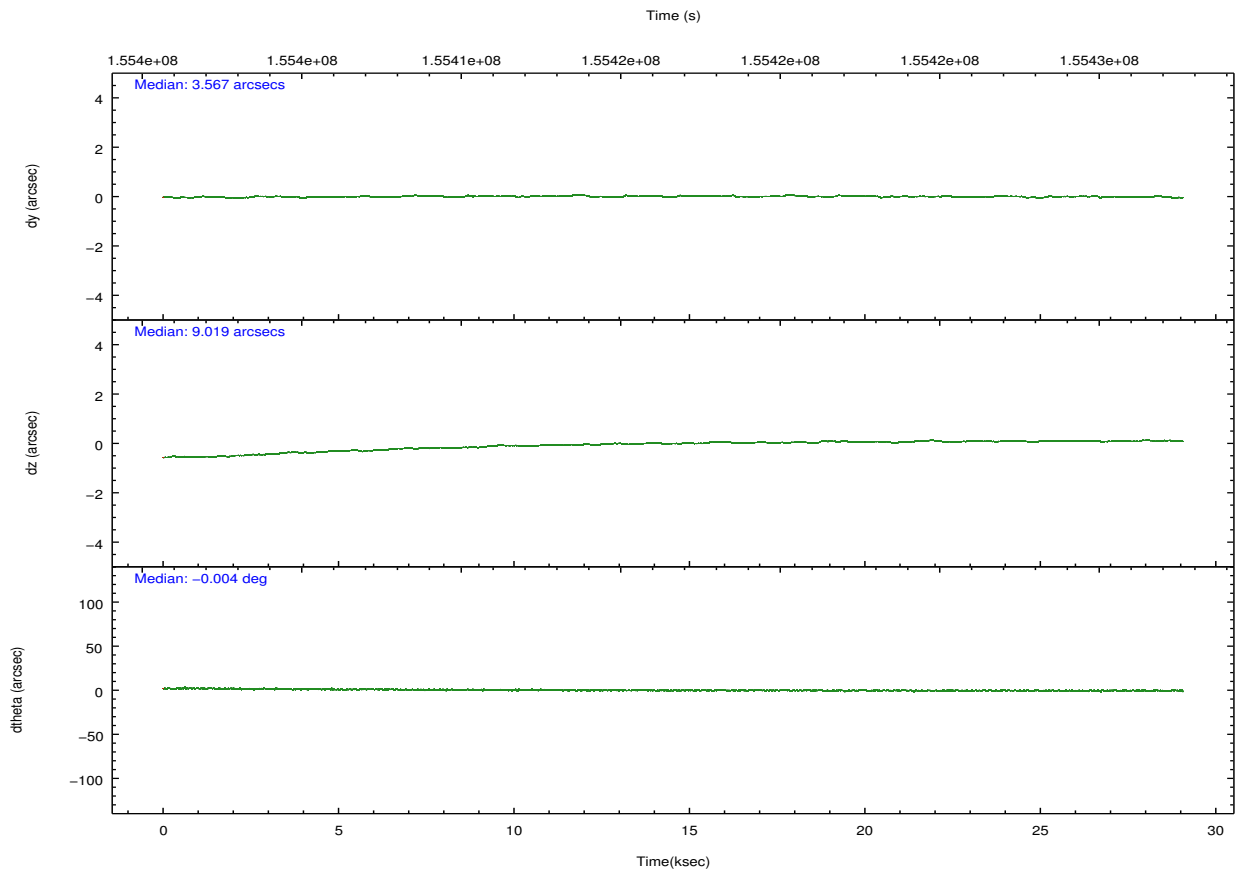
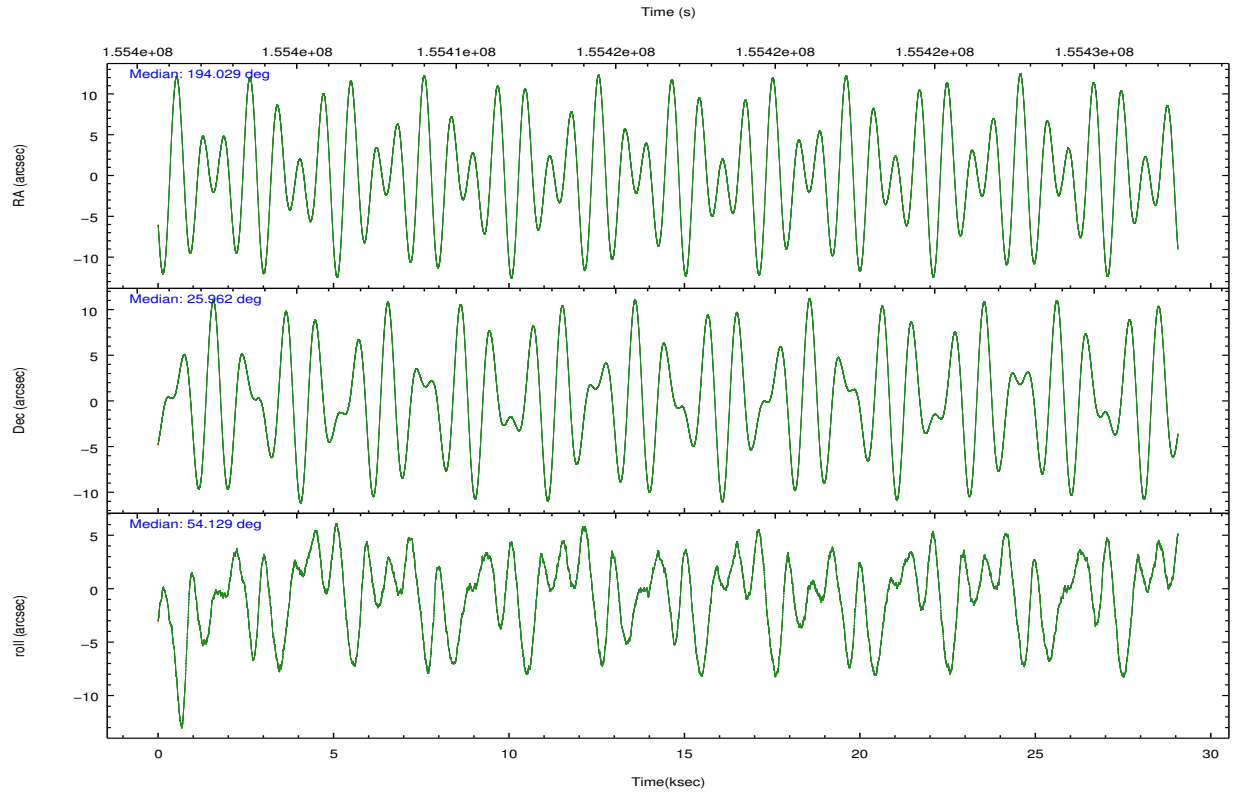
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	5122	14793	6139	7968	13689
	3%	7%	4%	4%	7%
grade 1 events	71	573	58	119	121
	0%	0%	0%	0%	0%
grade 2 events	2918	30578	3458	15766	9140
	1%	14%	2%	9%	4%
grade 3 events	1644	4811	1812	7435	4730
	1%	2%	1%	4%	2%
grade 4 events	1695	4621	1778	7564	4296
	1%	2%	1%	4%	2%
grade 5 events	5527	16339	5841	17705	8027
	3%	7%	3%	10%	4%
grade 6 events	2769	51430	3310	39930	11105
	1%	24%	2%	23%	5%
grade 7 events	129159	83550	130661	72406	141146
	86%	40%	85%	42%	73%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	194.026516	194.0291845871519	Subarray requested	NONE	NONE
[deg] Pointing Dec	25.935294	25.96240539722371	Alternating exposures requested	N	N
[deg] Pointing Roll	53.978253	54.13371169826719	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	155403175.184000	155401778.85608			
Observation start date	2002-12-04T15:31:51	2002-12-04T15:09:38			
[s] Observation end time (MET)	155431175.184000	155431447.99482			
Observation end date	2002-12-04T23:18:31	2002-12-04T23:24:07			
Read mode	TIMED	TIMED			

## 2.3 Aspect



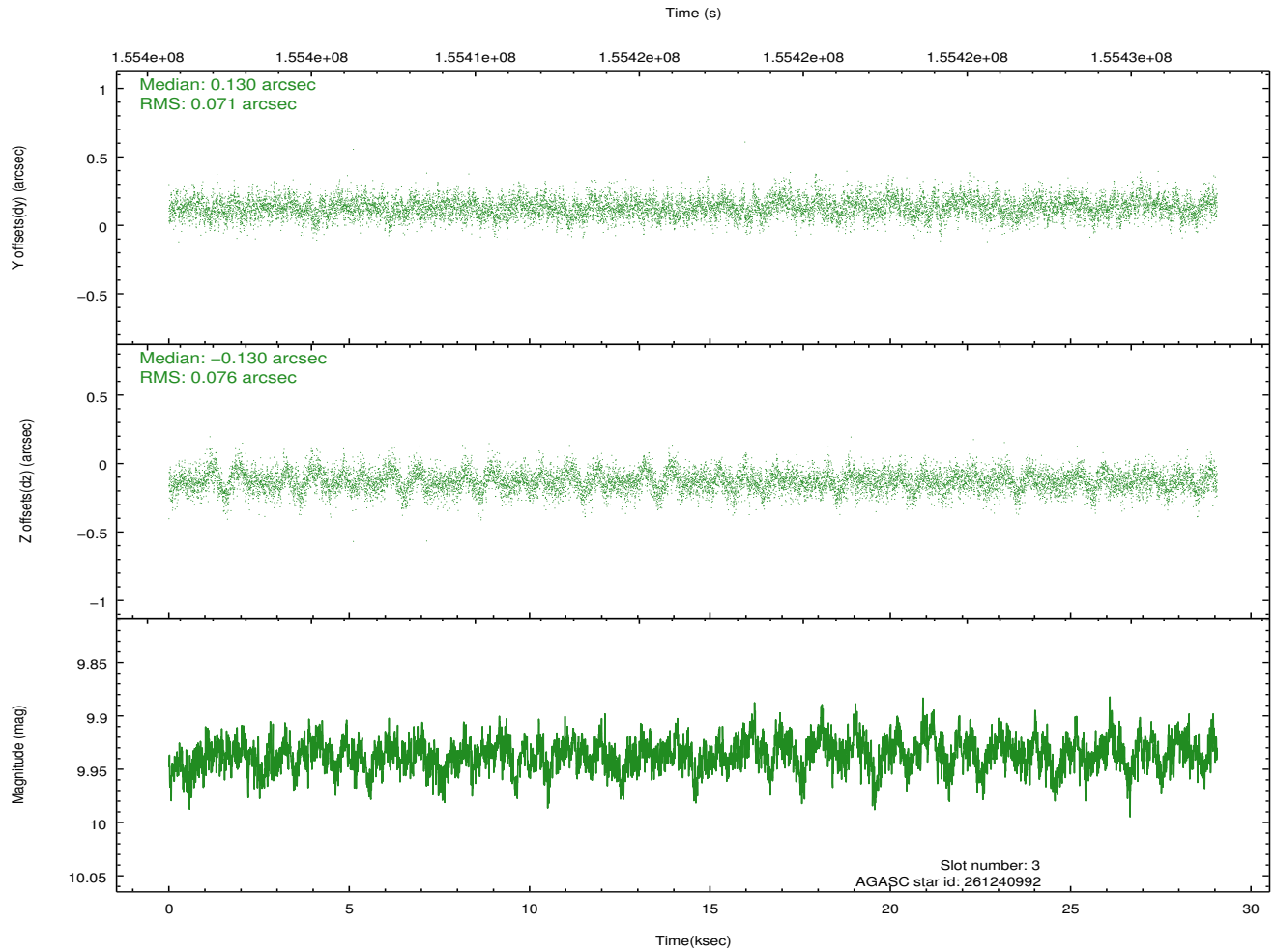
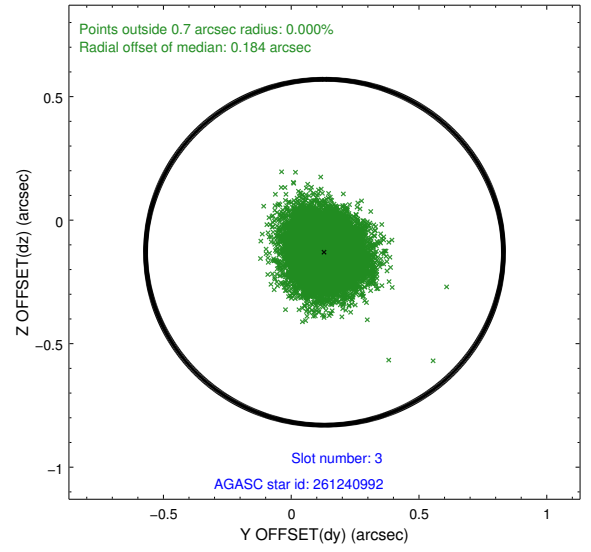
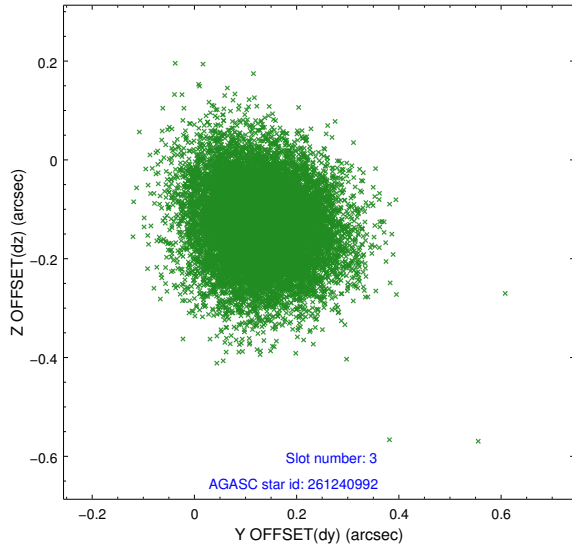


### Slot Statistics

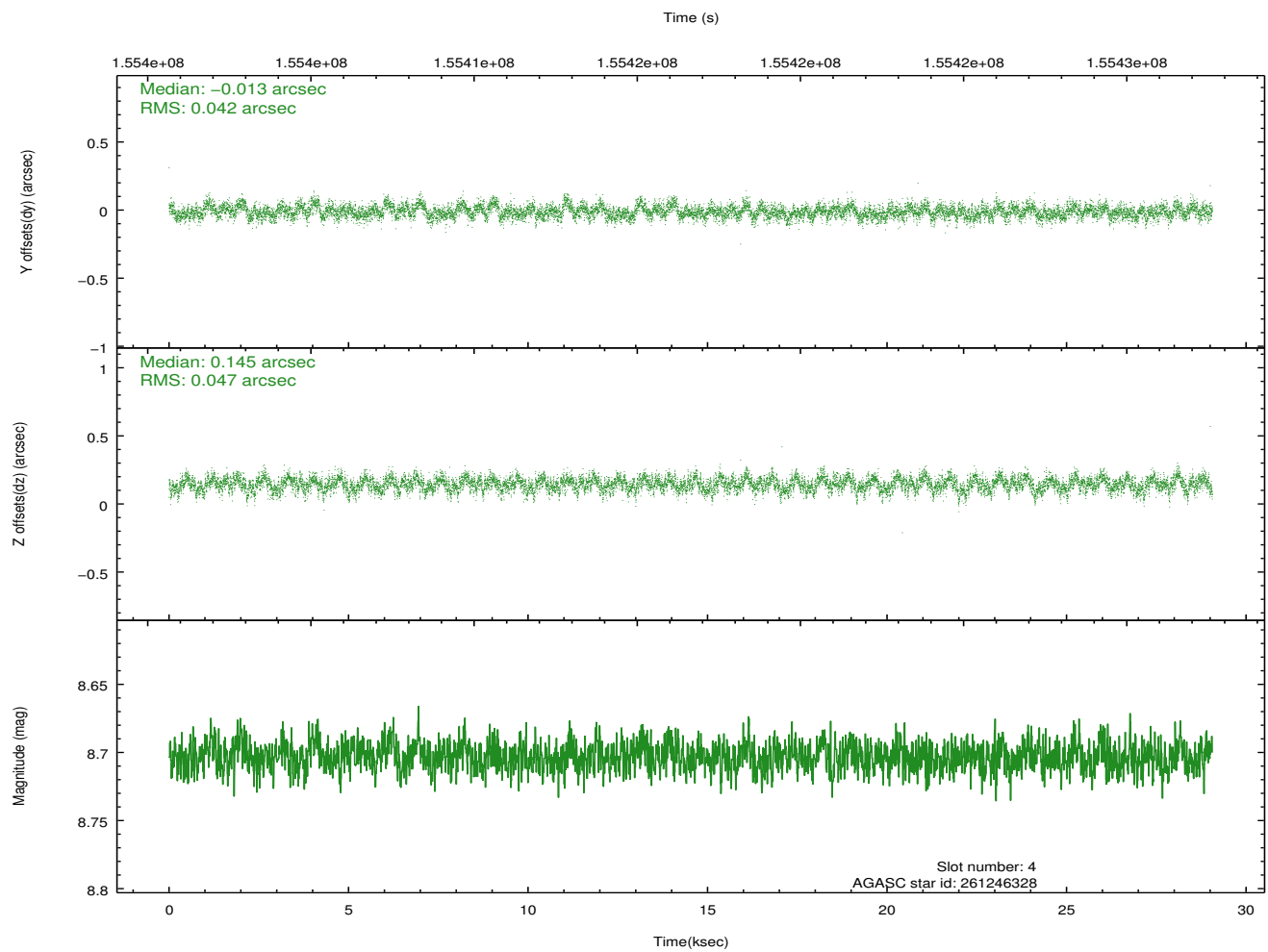
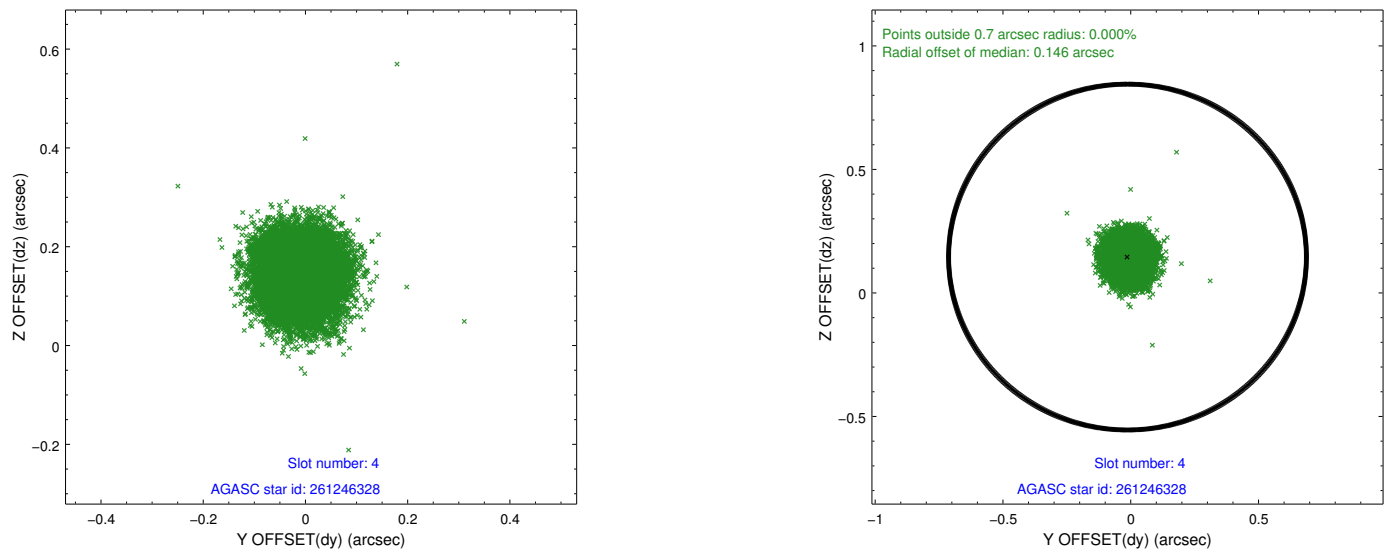
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7088	-0.015	0.000	0.008	0.013	0.000000	0.000000	-756.24	-1730.15
1	FID	ACIS-S-4	7.20	7088	0.004	0.007	0.007	0.013	0.000000	0.000000	2157.02	178.26
2	FID	ACIS-S-5	7.24	7088	-0.020	0.001	0.007	0.012	0.000000	0.000000	-1808.98	172.01
3	GUIDE	261240992	9.94	14167	0.130	-0.130	0.109	0.183	194.021650	26.021914	244.54	195.51
4	GUIDE	261246328	8.70	14171	-0.013	0.145	0.067	0.107	194.437444	25.936229	788.31	-1073.03
5	GUIDE	261247656	8.85	14170	0.087	-0.050	0.067	0.107	193.890607	25.891836	-383.61	263.46
6	GUIDE	261490112	9.76	14165	-0.110	-0.118	0.127	0.198	194.017210	26.469930	1540.29	1155.70
7	GUIDE	261240768	8.36	14170	-0.096	0.160	0.054	0.090	194.617140	25.922325	1092.00	-1571.67

## 2.4 Star Slots

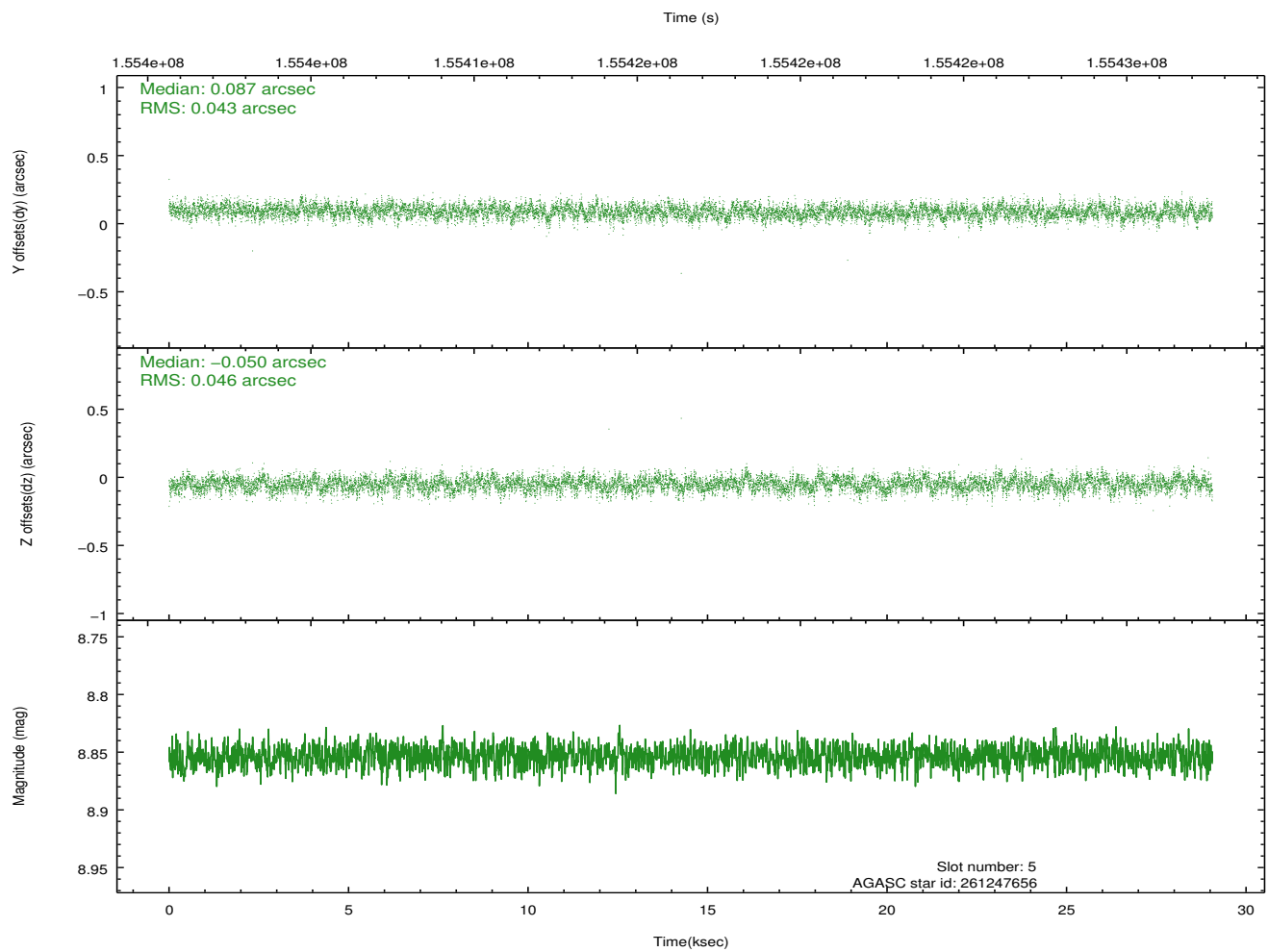
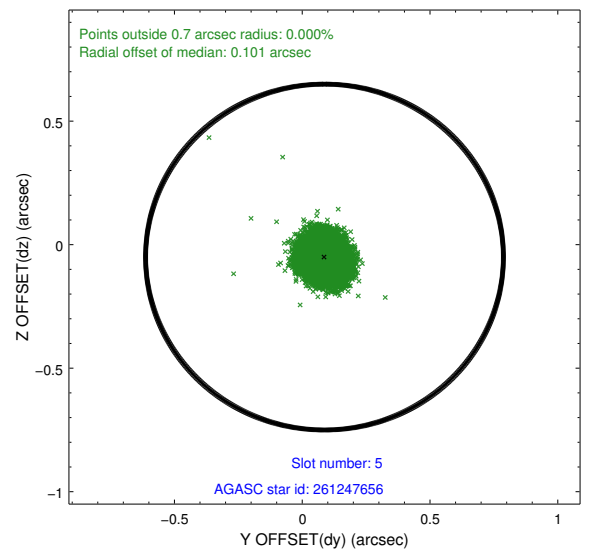
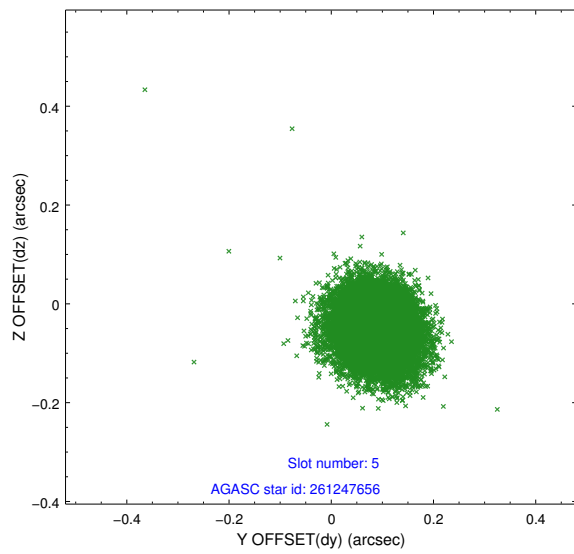
### 2.4.1 Slot 3



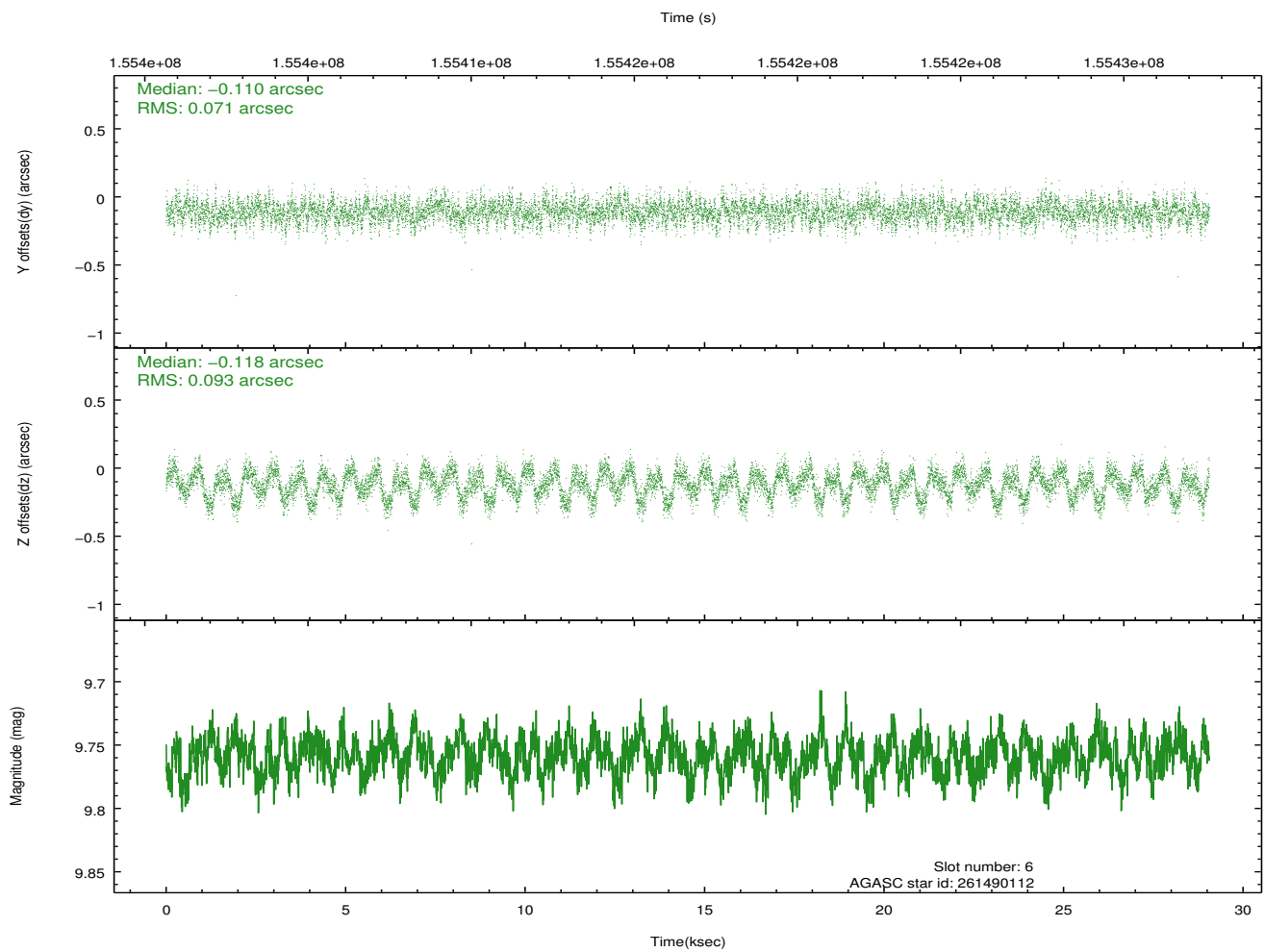
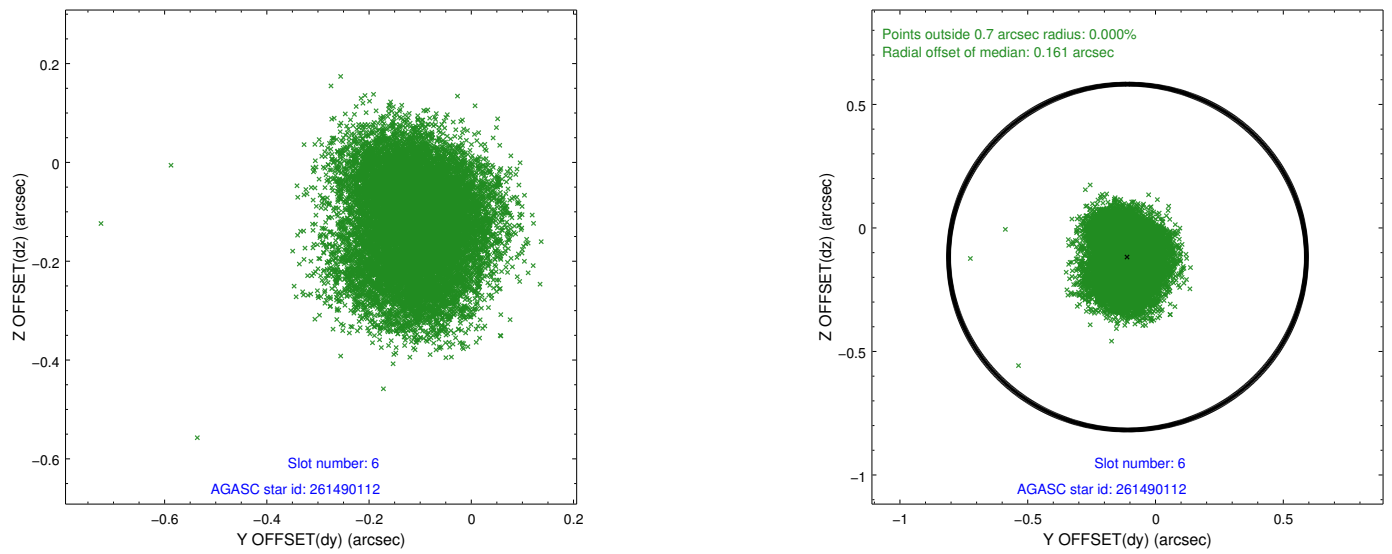
## 2.4.2 Slot 4



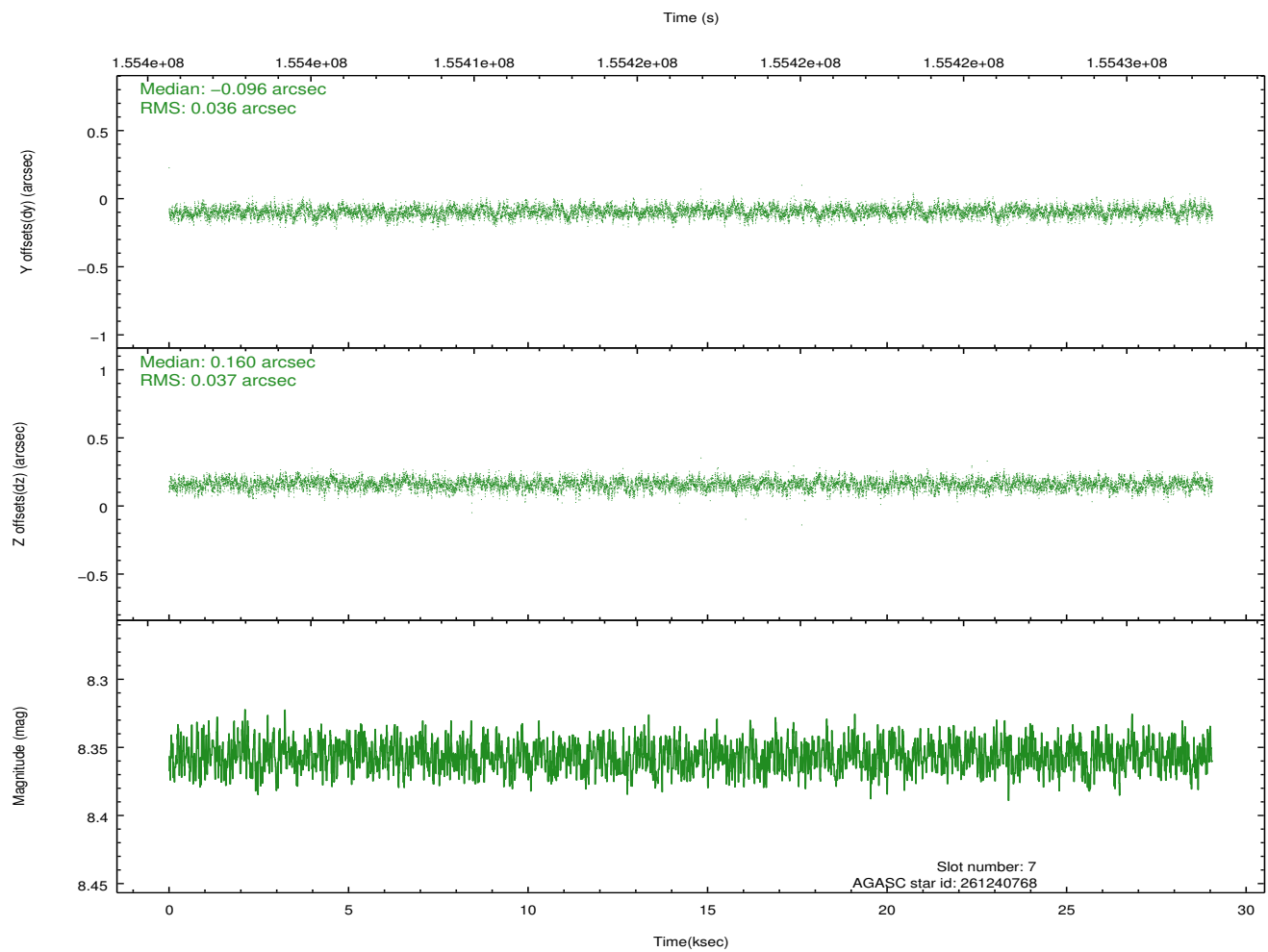
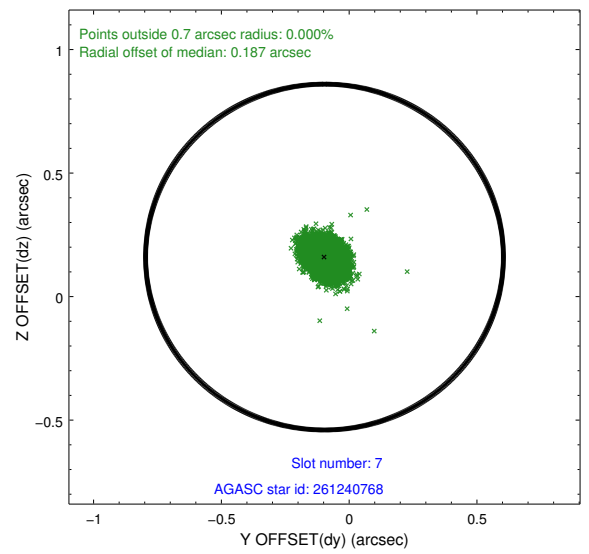
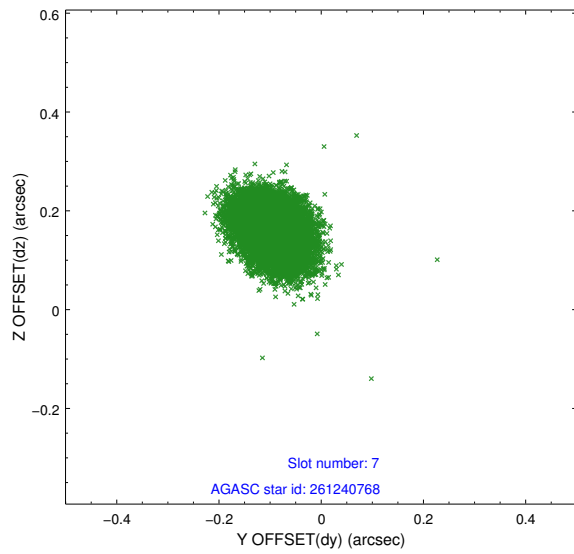
### 2.4.3 Slot 5



## 2.4.4 Slot 6

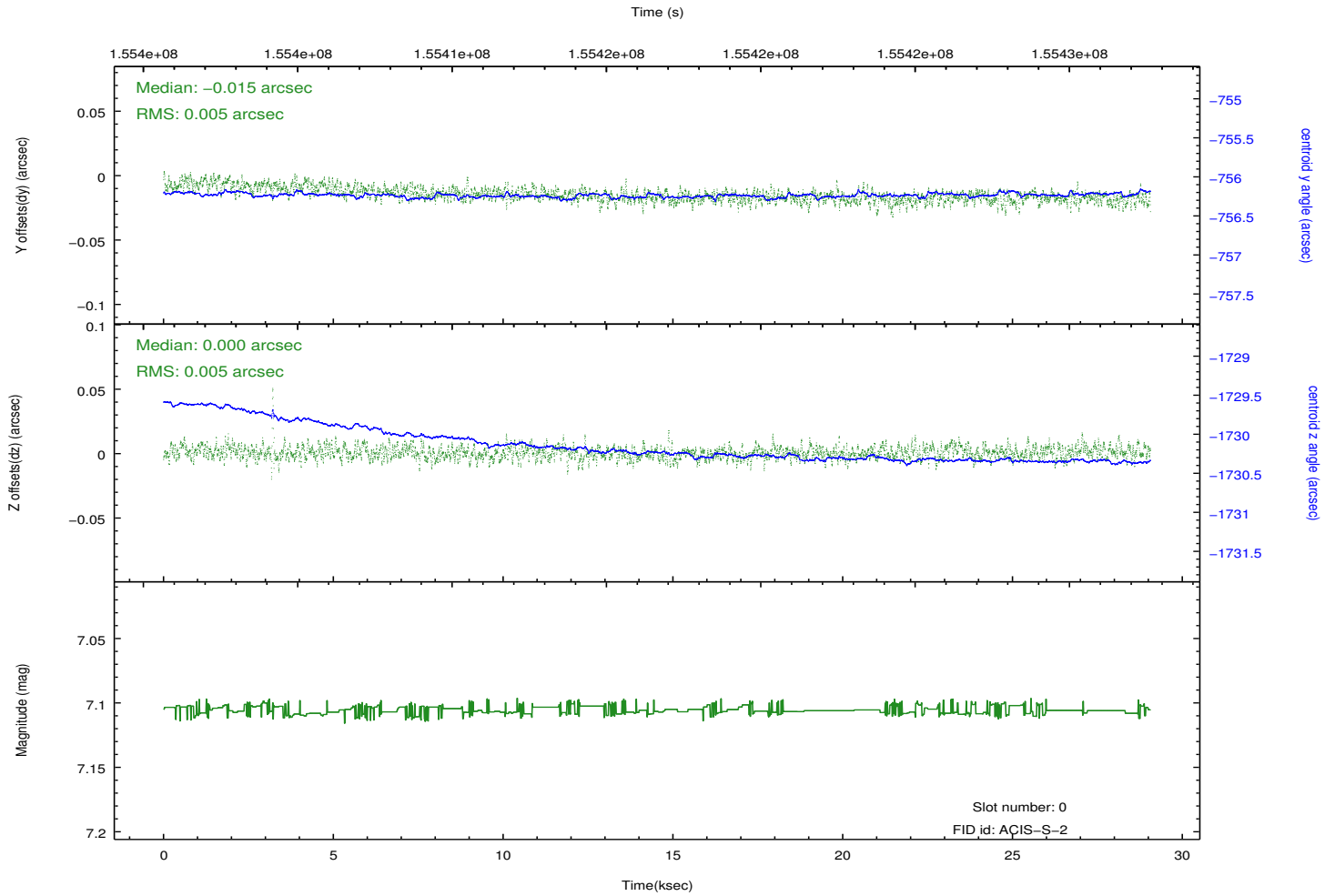
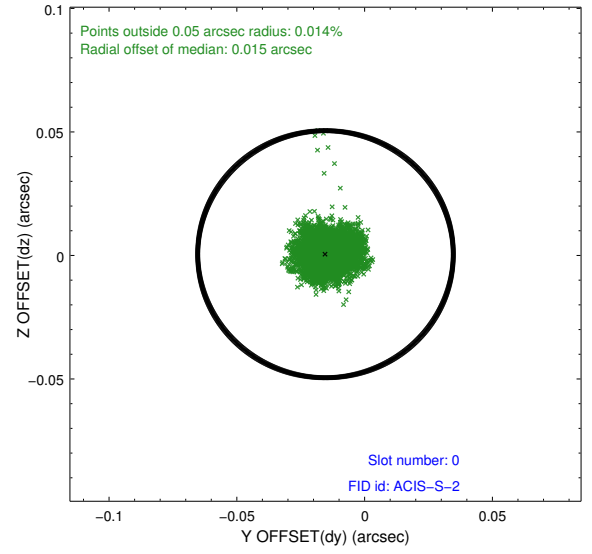
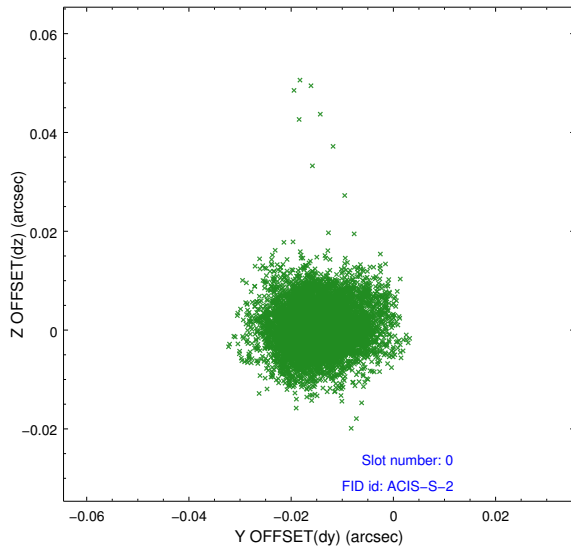


## 2.4.5 Slot 7

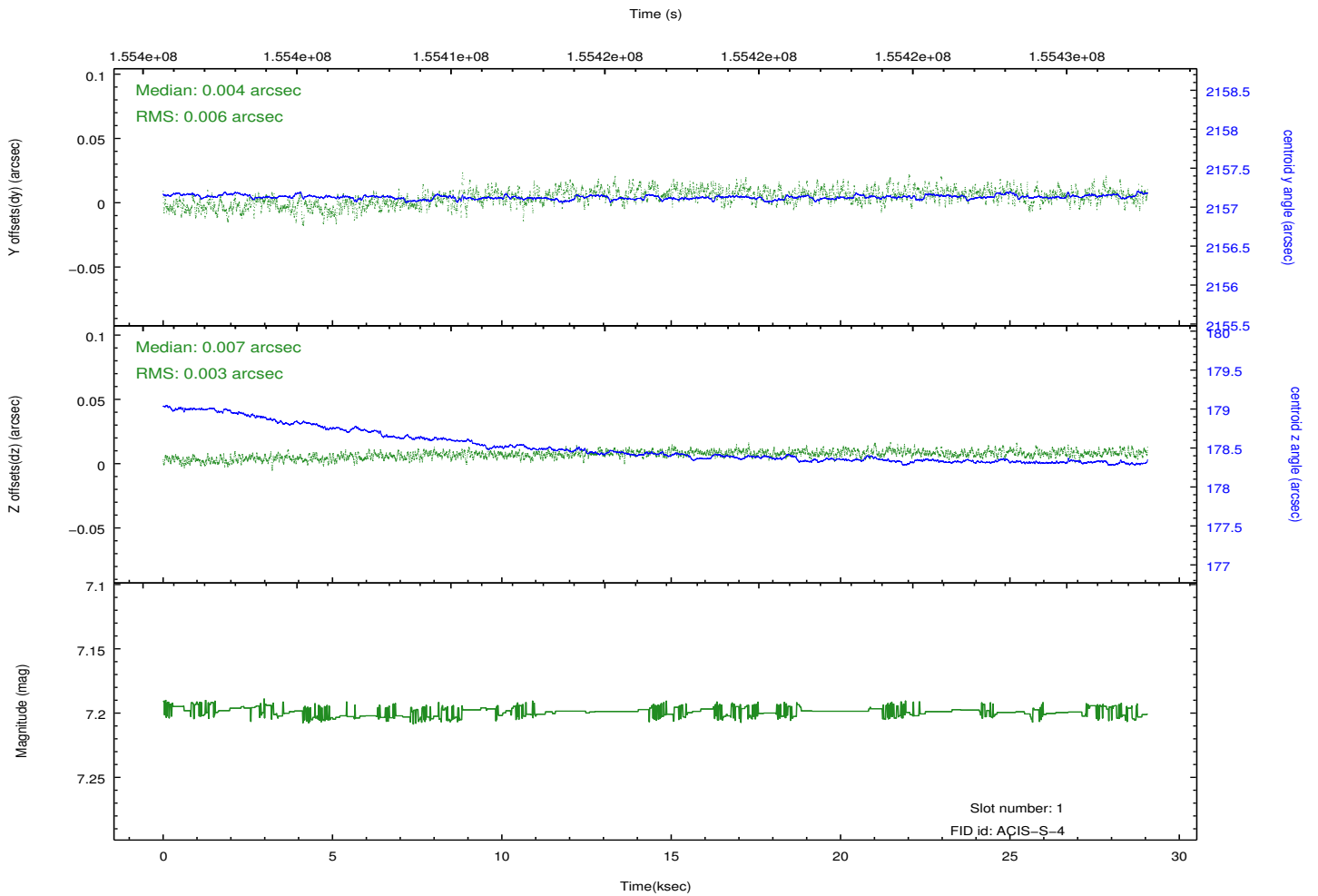
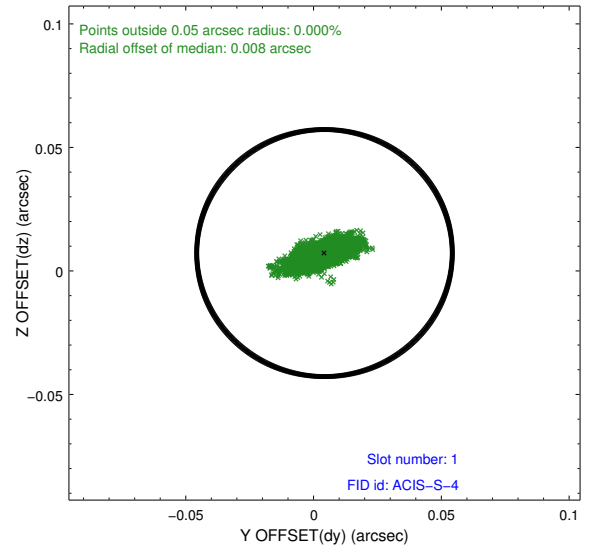
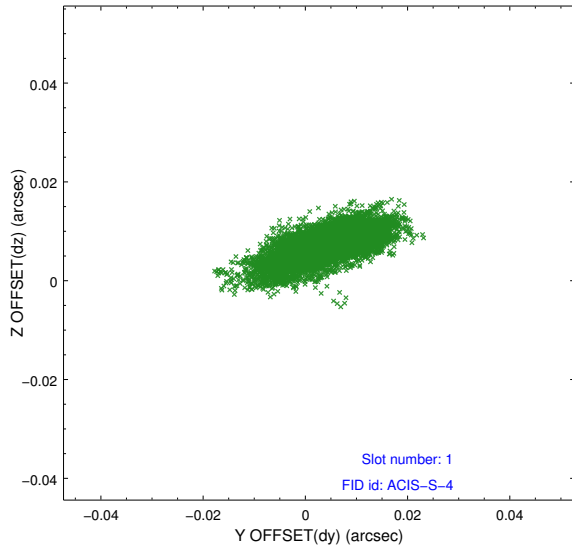


## 2.5 FID Slots

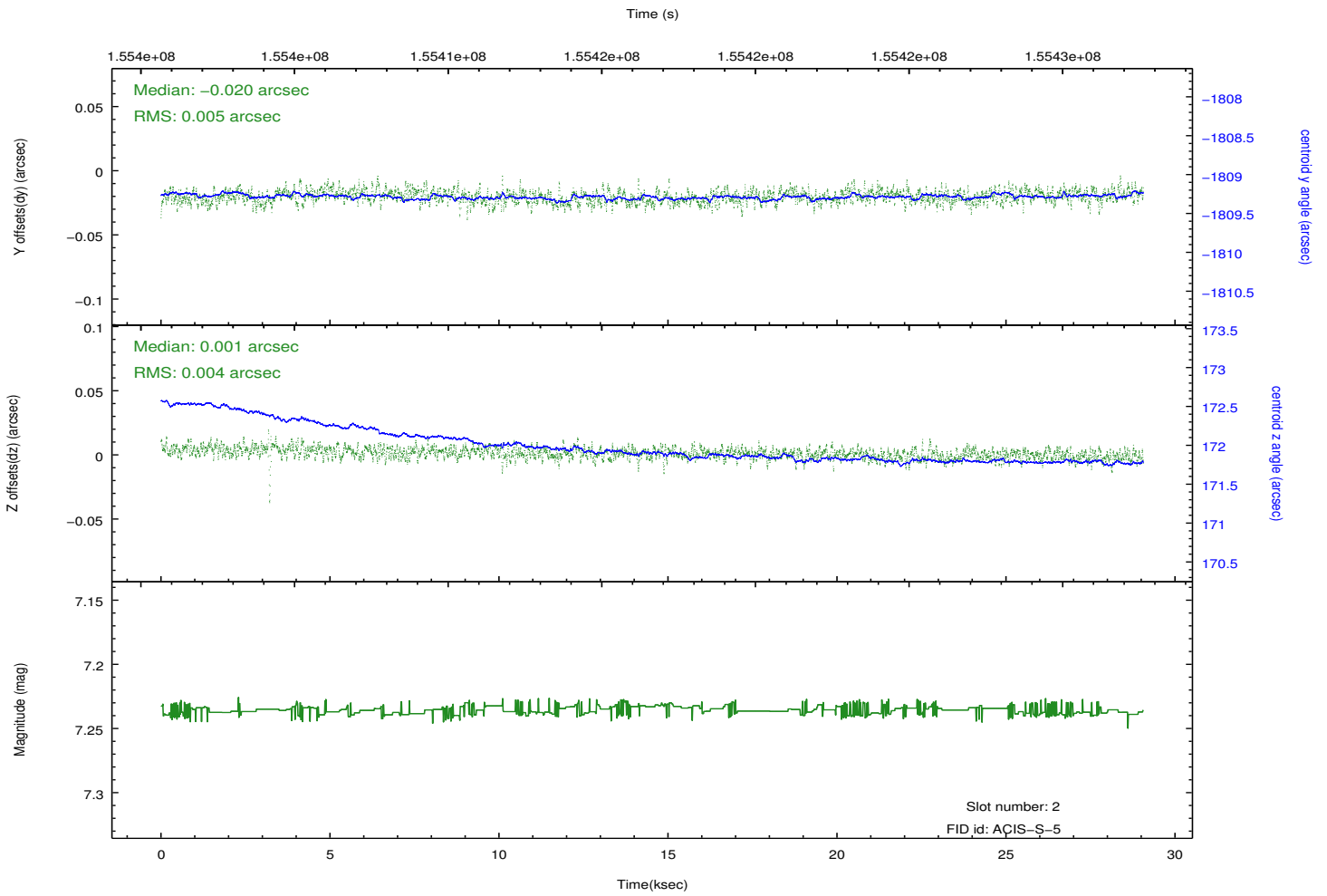
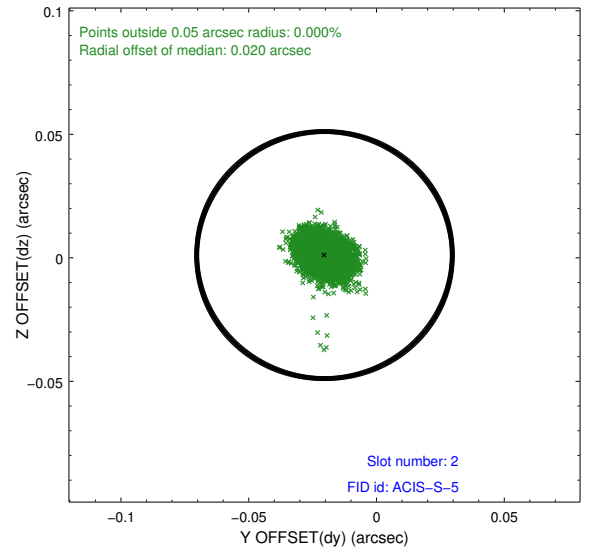
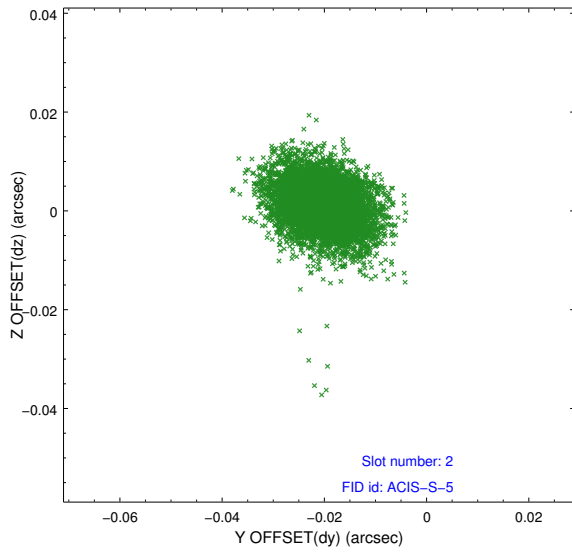
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.101

## A.2 Comments