

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 1034 - L2 Version 4  
Chandra X-Ray Center

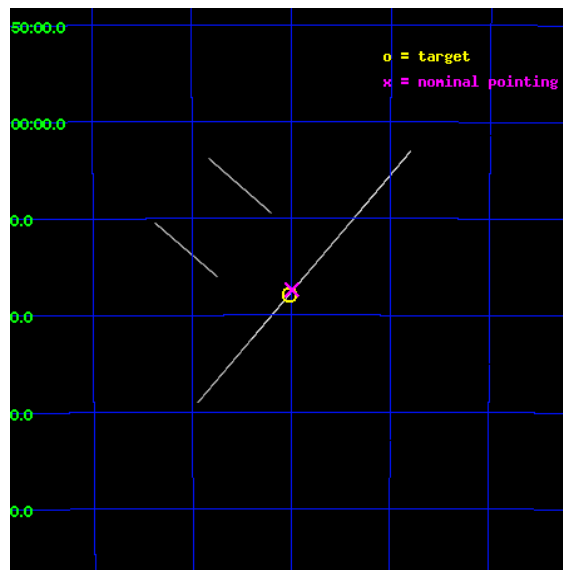
L2 Processing Date : Sep 24 2012

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# 1 Front

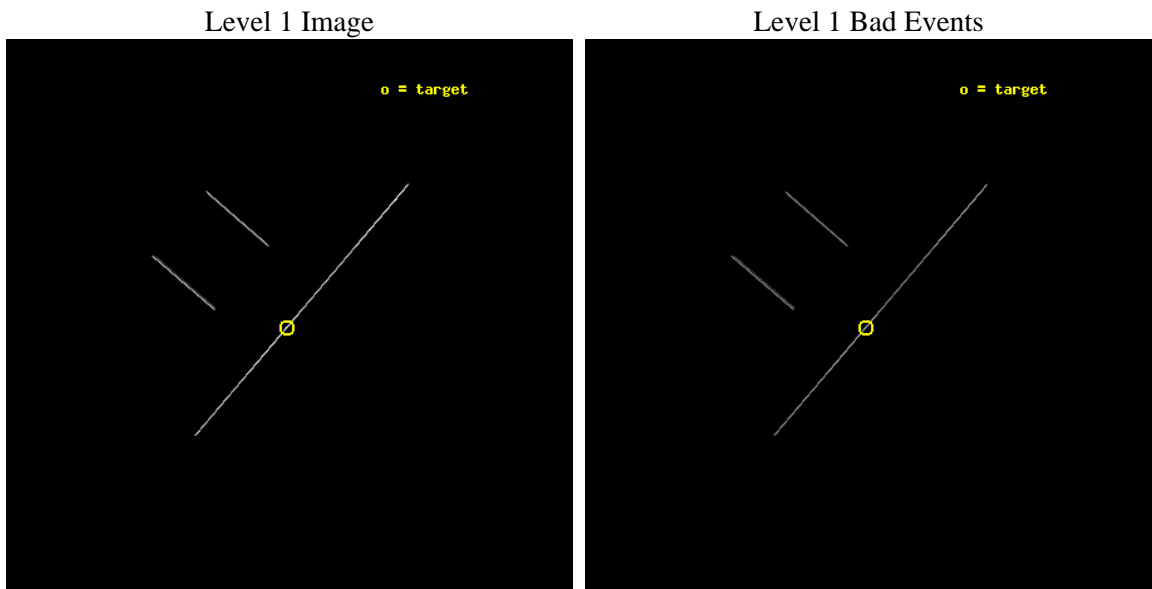
seq_num	500100	Sequence number
obs_id	1034	Observation id
title	NEAREST SNR	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	RX J0852.0-4622	Source name
ra_targ	133.00575	Observer's specified target RA [deg]
dec_targ	-46.29815	Observer's specified target Dec [deg]
ra_nom	132.99864073425	Nominal RA [deg]
dec_nom	-46.289737196983	Nominal Dec [deg]
roll_nom	130.58676335974	Nominal Roll [deg]
revision	4	Processing version of data
ontime	31484.25	Sum of GTIs [s]
livetime	31361.264648438	Livetime [s]
ontime2	31482.790138915	Sum of GTIs [s]
ontime3	31484.25	Sum of GTIs [s]
ontime5	31484.25	Sum of GTIs [s]
ontime6	31484.25	Sum of GTIs [s]
ontime7	31484.25	Sum of GTIs [s]
ontime8	31484.25	Sum of GTIs [s]
l2events	631135	Number of level 2 events



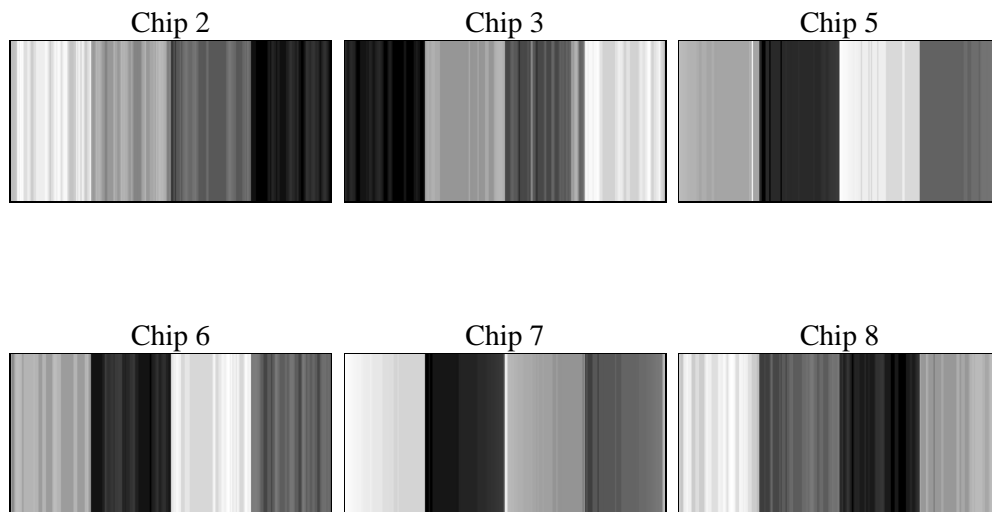
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	31000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	31484.25	Sum of GTIs [s]
caldbver	4.5.1.1	&#160	ontime2	31482.790138915	Sum of GTIs [s]
date	2012-09-24T10:21:21	Date and time of file creation	ontime3	31484.25	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	31484.25	Sum of GTIs [s]
			ontime6	31484.25	Sum of GTIs [s]
			ontime7	31484.25	Sum of GTIs [s]
			ontime8	31484.25	Sum of GTIs [s]
			l1events	839045	Number of level 1 events

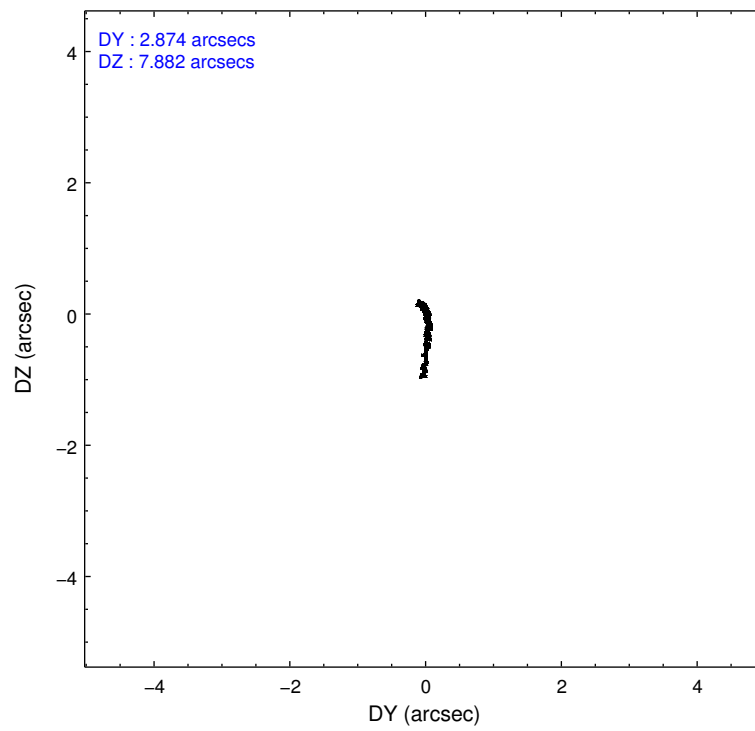
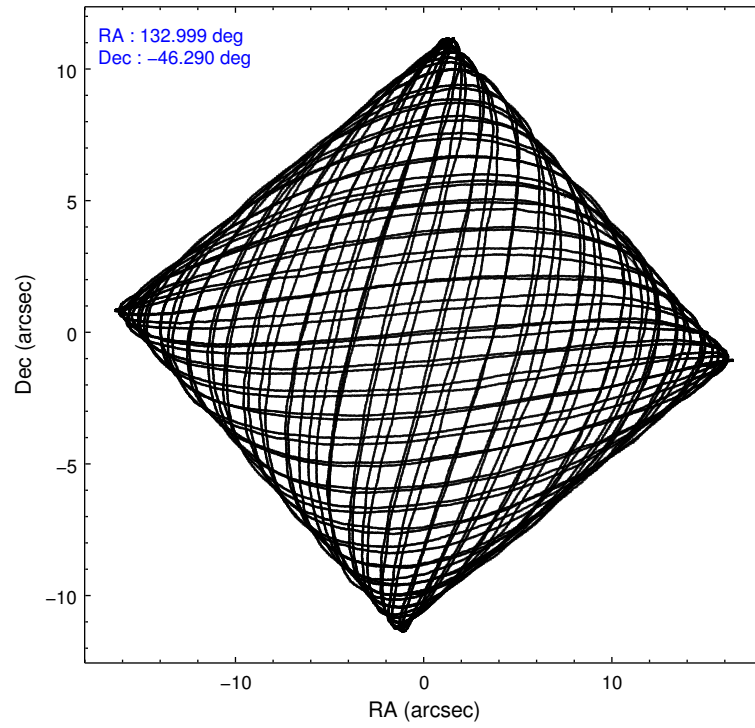
### 2.1.4 Events

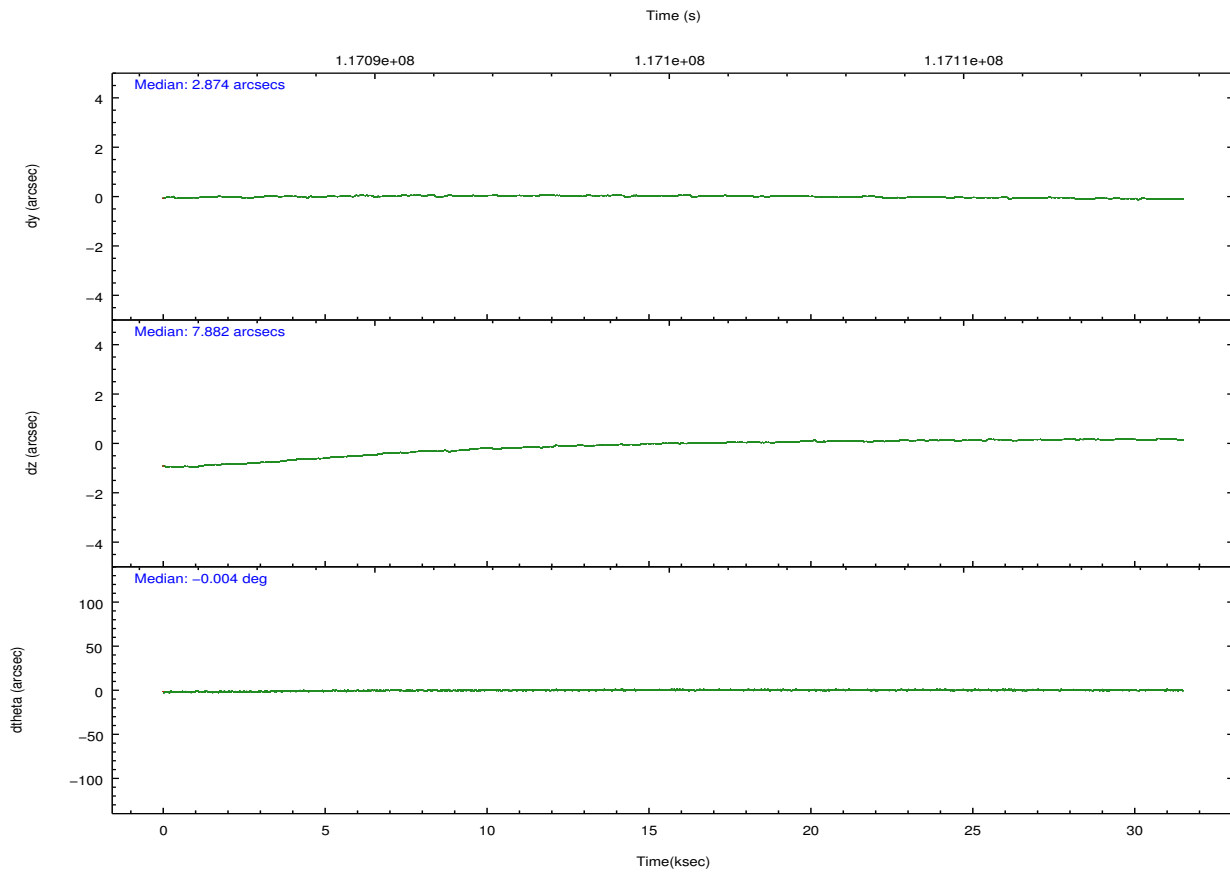
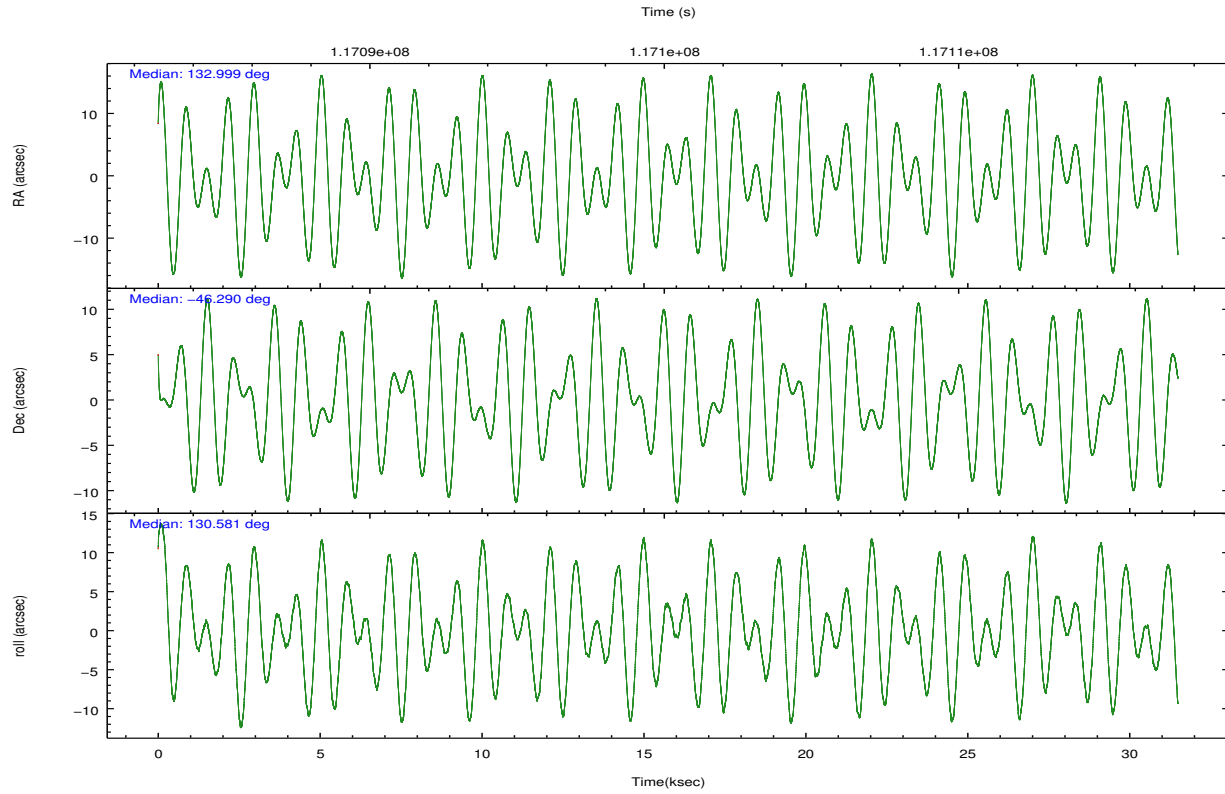
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	60907	56055	285462	96644	239180	100797	grade 0 events	10163	7947	84741	19325	57489	22409
rejected events	7709	8127	23572	9089	26906	12957		16%	14%	29%	19%	24%	22%
rejected %	12%	14%	8%	9%	11%	12%	grade 1 events	136	129	336	161	365	282
								0%	0%	0%	0%	0%	0%
							grade 2 events	26335	22175	75030	50101	51611	30326
								43%	39%	26%	51%	21%	30%
							grade 3 events	5147	5769	10772	5122	19378	8943
								8%	10%	3%	5%	8%	8%
							grade 4 events	5106	5019	10384	5053	19215	8746
								8%	8%	3%	5%	8%	8%
							grade 5 events	6855	7266	19301	7907	23754	11055
								11%	12%	6%	8%	9%	10%
							grade 6 events	7165	7750	84898	8975	67368	19036
								11%	13%	29%	9%	28%	18%
							grade 7 events	0	0	0	0	0	0
								0%	0%	0%	0%	0%	0%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	133.035995	132.9986407342474	Subarray requested	NONE	NONE
[deg] Pointing Dec	-46.298509	-46.28973719698305	Alternating exposures requested	N	N
[deg] Pointing Roll	130.457141	130.5867633597436	[s] Primary exposure time	0.000000	0
[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)	117084873.184000	117083750.27225			
Observation start date	2001-09-17T03:33:29	2001-09-17T03:15:50			
[s] Observation end time (MET)	117115873.184000	117116818.31105			
Observation end date	2001-09-17T12:10:09	2001-09-17T12:26:58			
Read mode	CONTINUOUS	CONTINUOUS			

## 2.3 Aspect





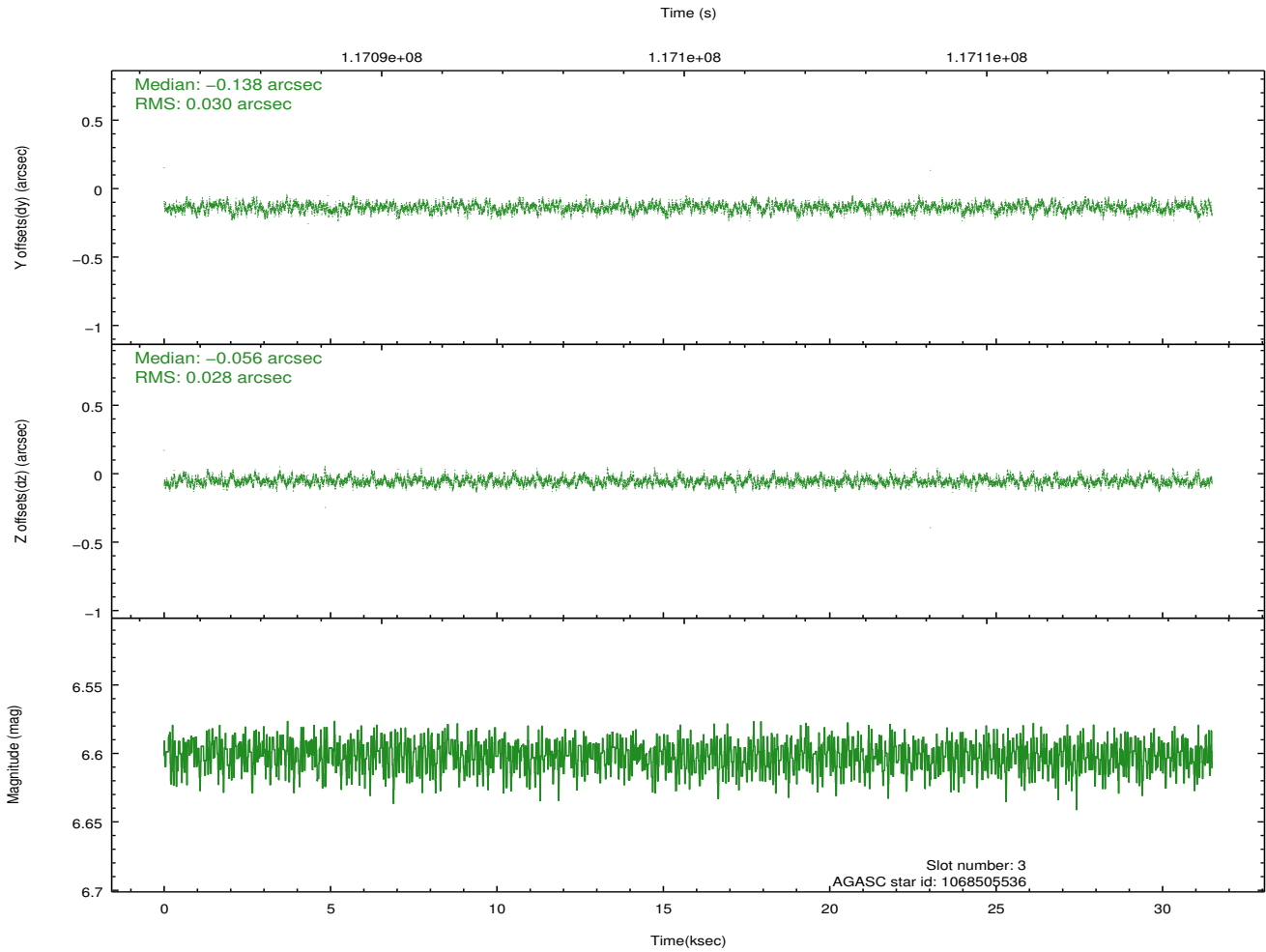
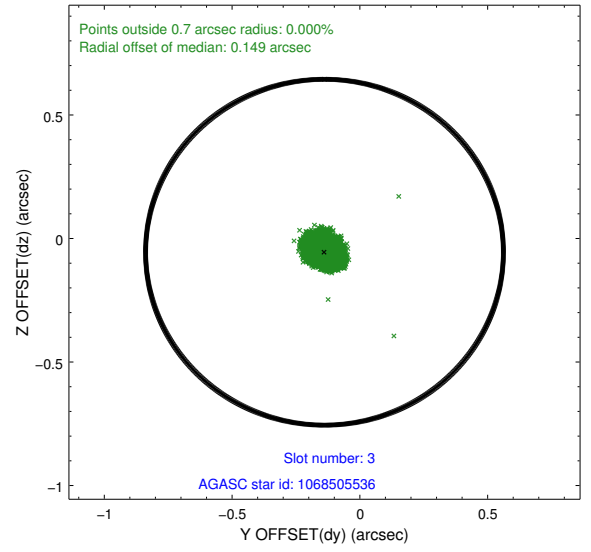
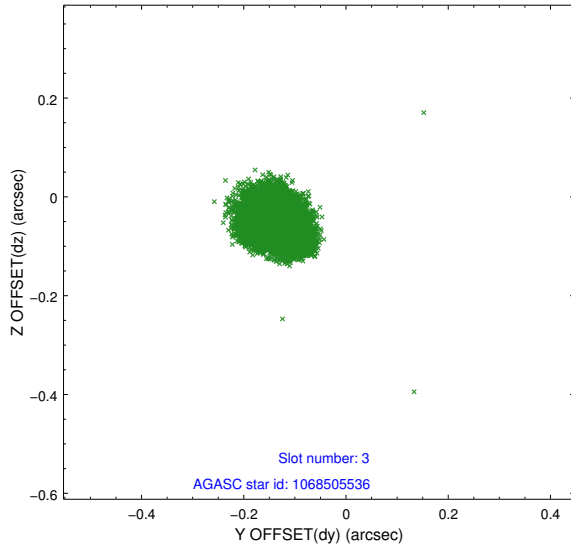
### Slot Statistics

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	7680	0.006	0.004	0.008	0.016	0.000000	0.000000	-755.50	-1728.91
1	FID	ACIS-S-4	7.19	7680	-0.064	-0.004	0.006	0.012	0.000000	0.000000	2157.68	179.49
2	FID	ACIS-S-5	7.24	7679	0.028	0.009	0.008	0.016	0.000000	0.000000	-1808.24	173.26
3	GUIDE	1068505536	6.60	15362	-0.138	-0.056	0.043	0.071	132.879030	-46.541145	-413.07	863.30
4	GUIDE	1068500456	8.21	15357	-0.006	0.114	0.071	0.114	132.858439	-45.622941	2140.26	-1236.65
5	GUIDE	1068506528	8.00	15362	-0.025	0.037	0.064	0.113	133.786974	-46.360836	-1387.97	-1267.85
6	GUIDE	1068510128	8.64	15360	0.103	0.044	0.063	0.100	132.886718	-46.609996	-614.17	1009.26
7	GUIDE	1068509192	8.87	15355	0.070	-0.133	0.062	0.100	132.687269	-46.049972	1244.61	84.32

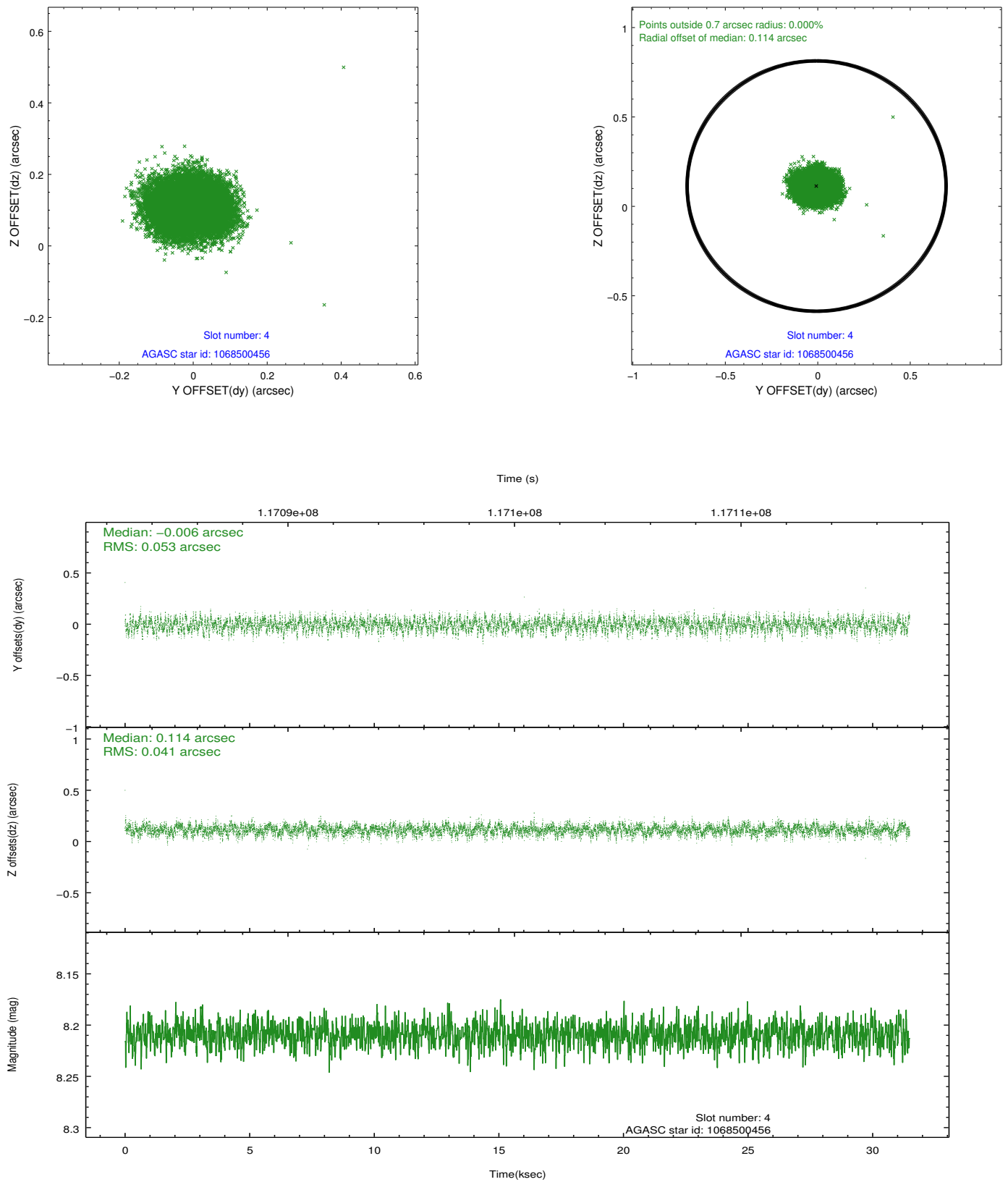
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## 2.4 Star Slots

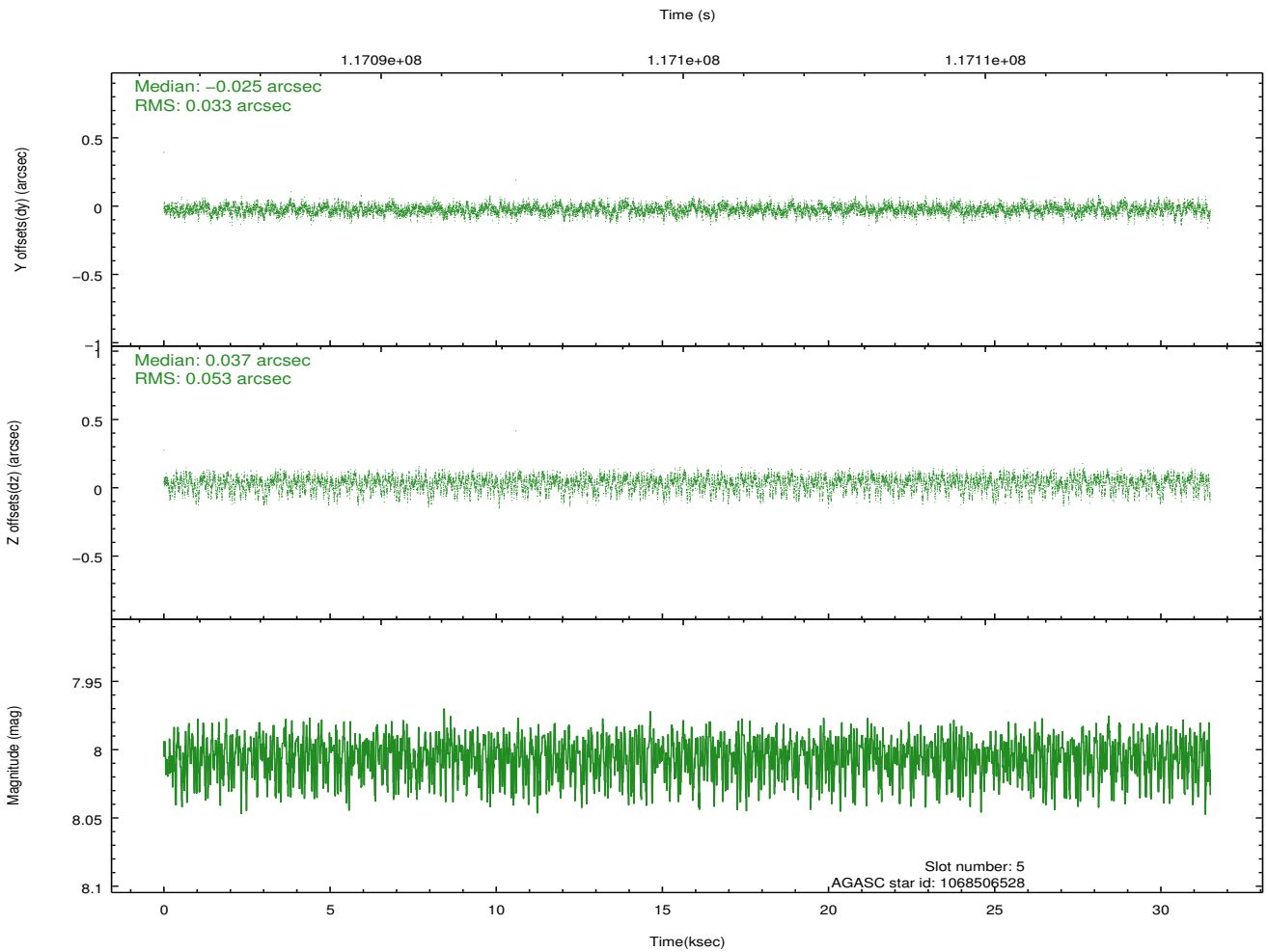
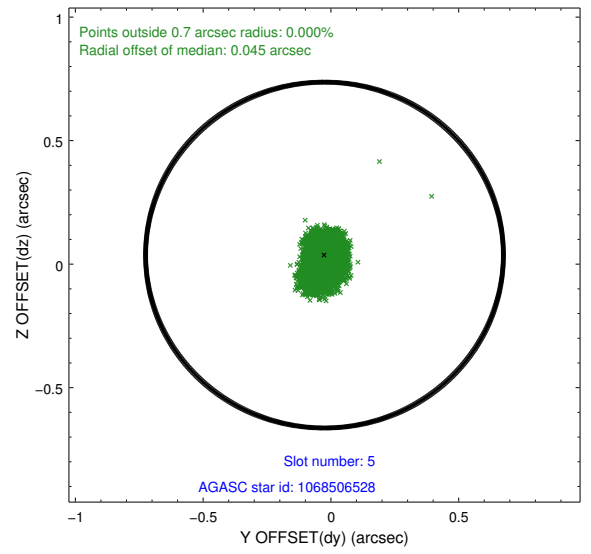
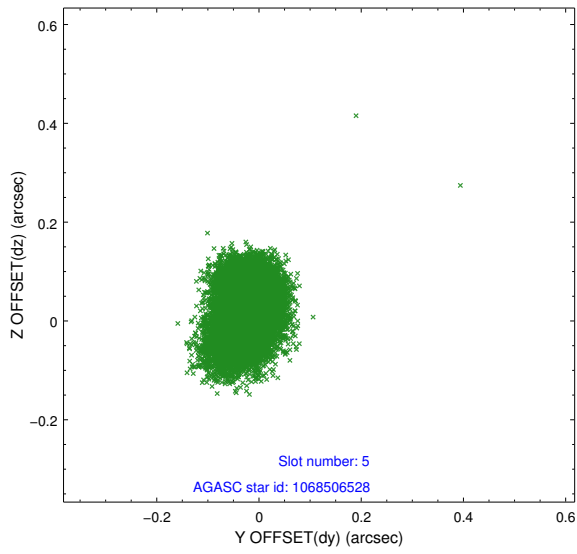
### 2.4.1 Slot 3



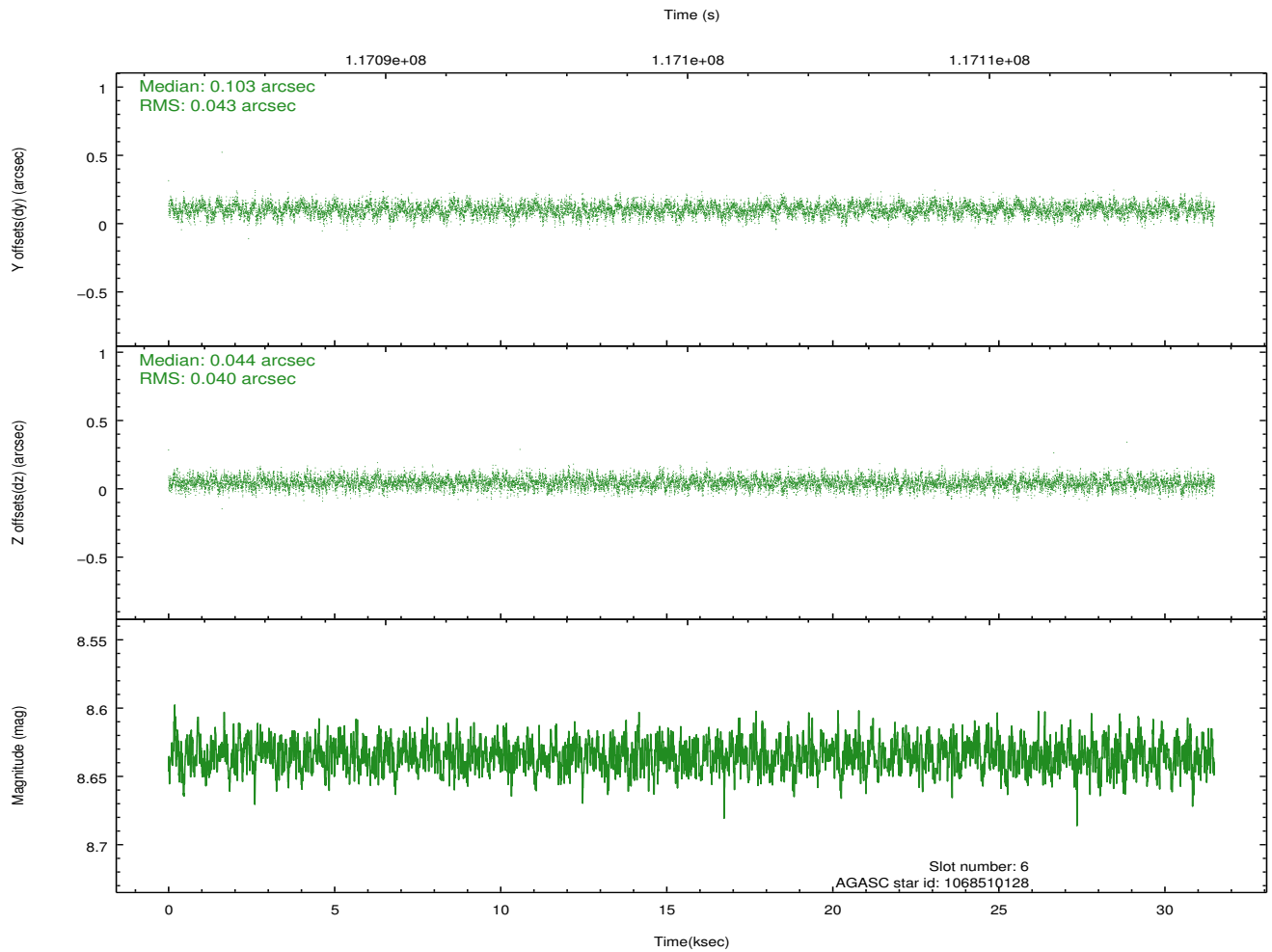
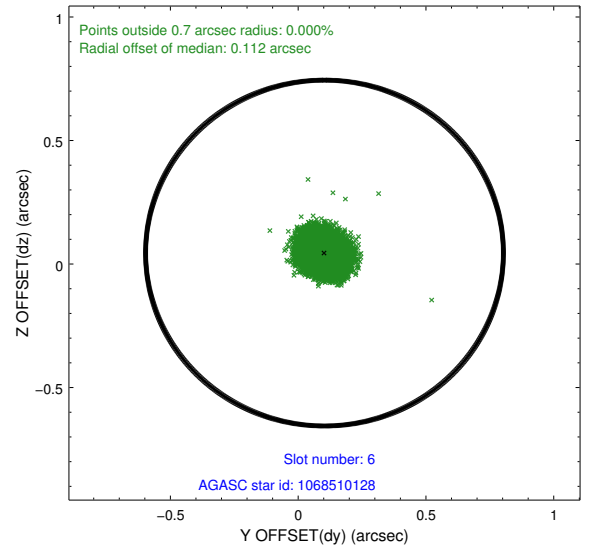
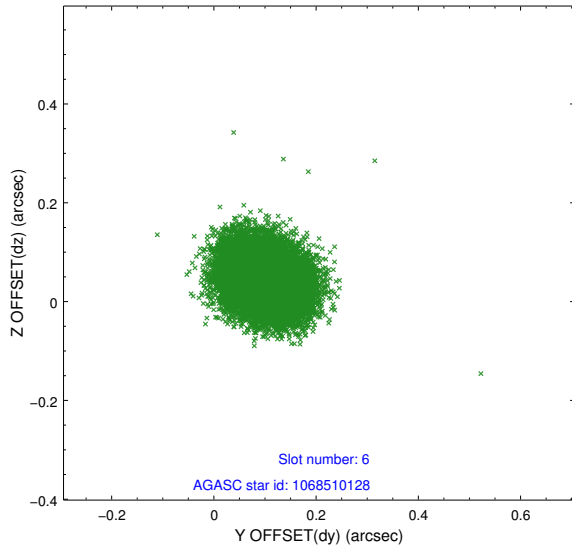
## 2.4.2 Slot 4



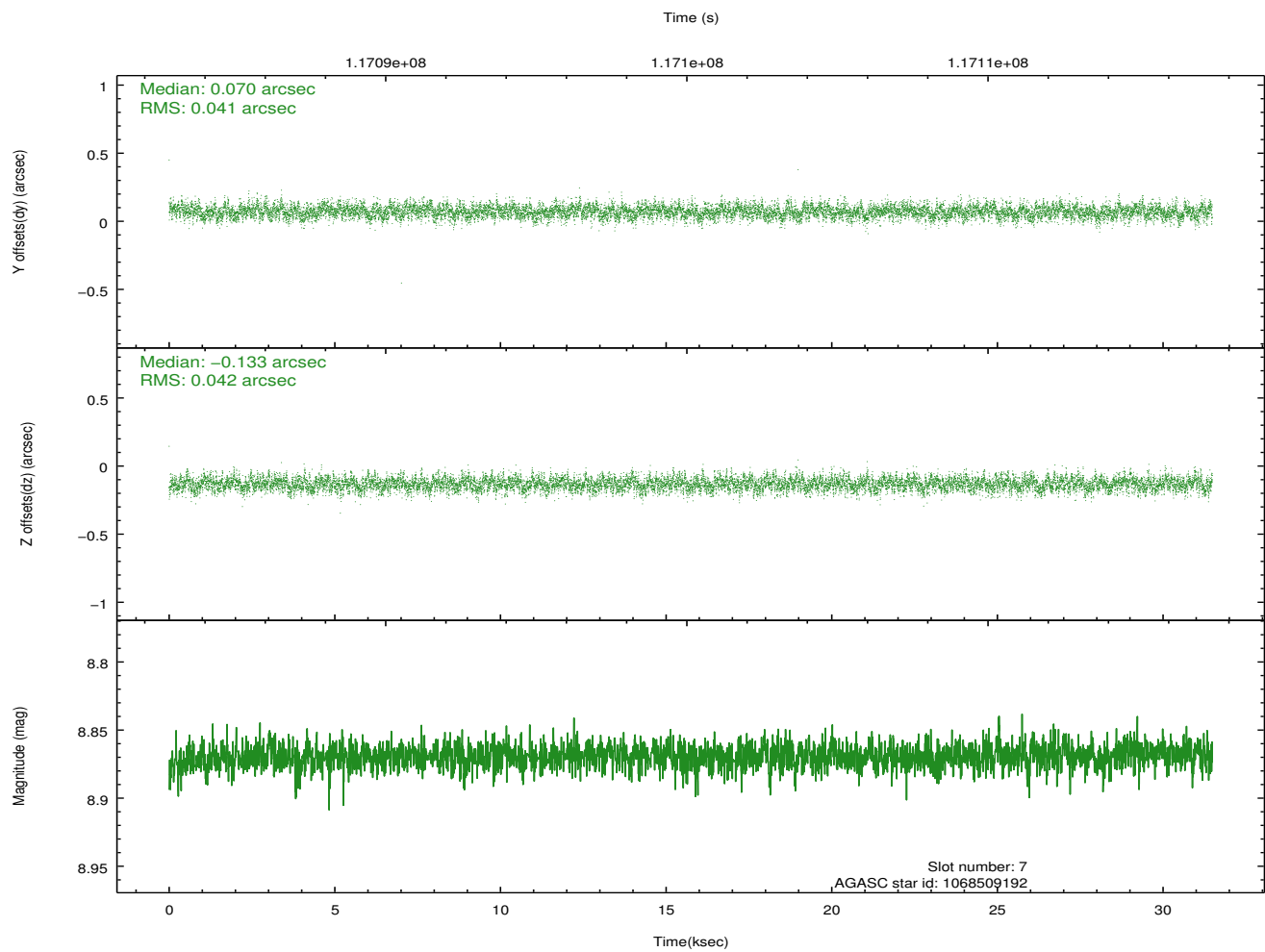
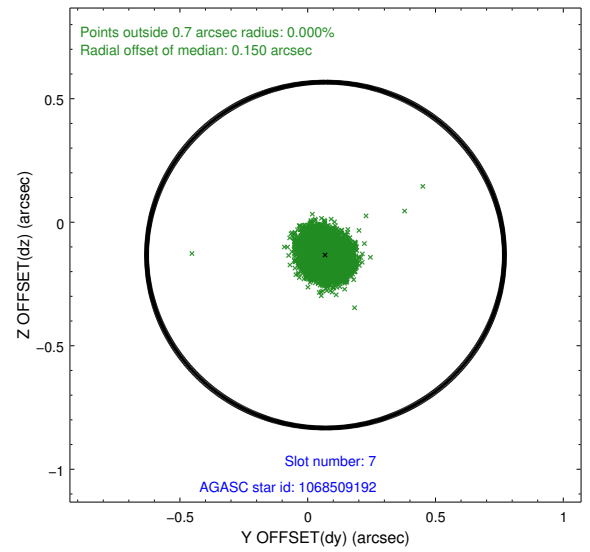
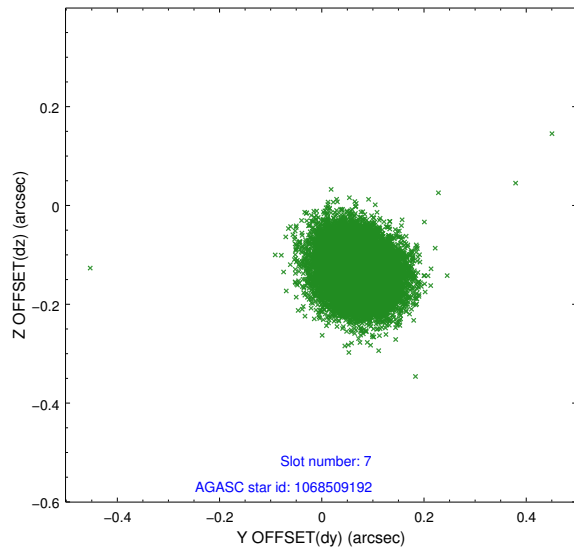
### 2.4.3 Slot 5



### 2.4.4 Slot 6

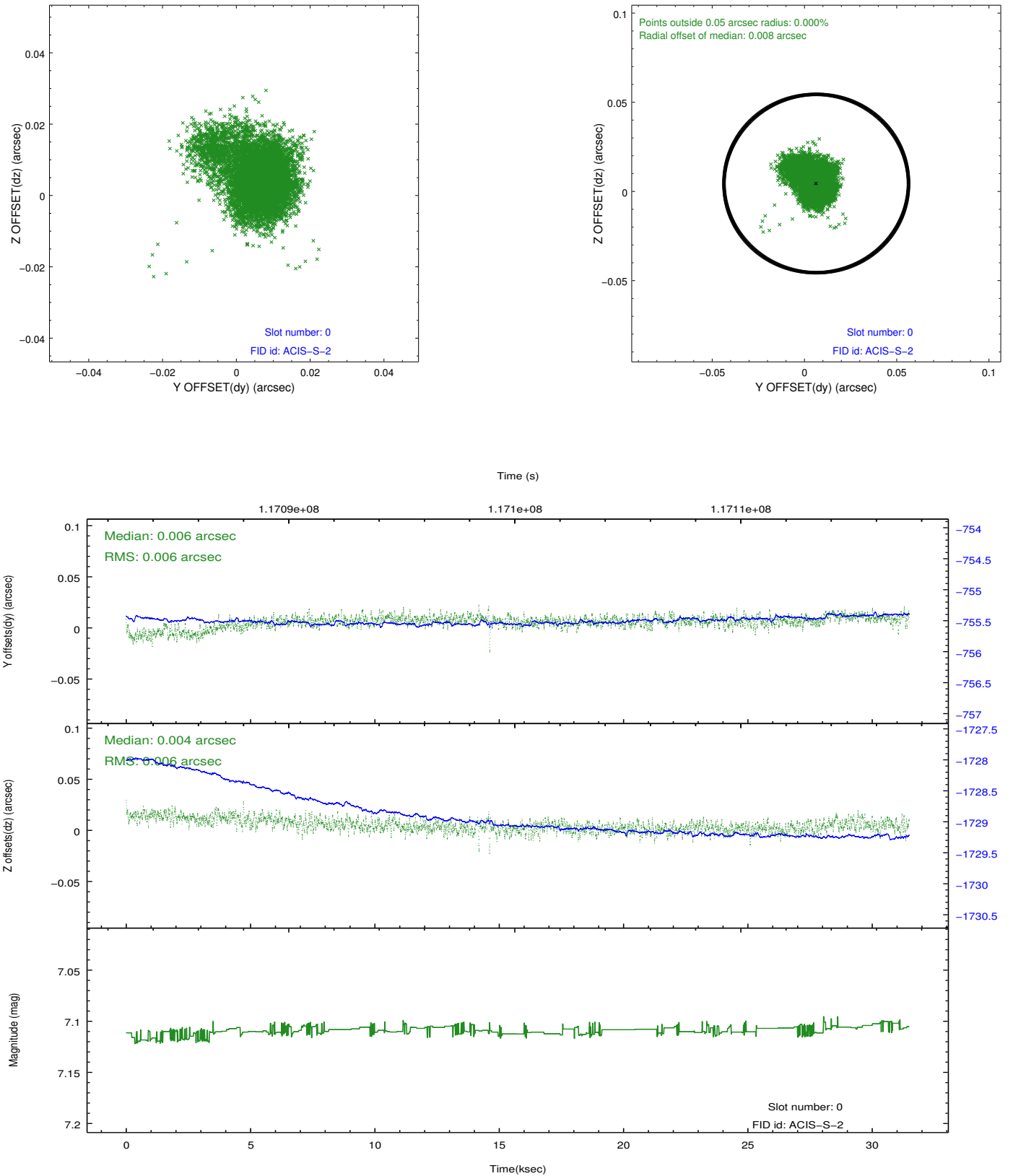


## 2.4.5 Slot 7

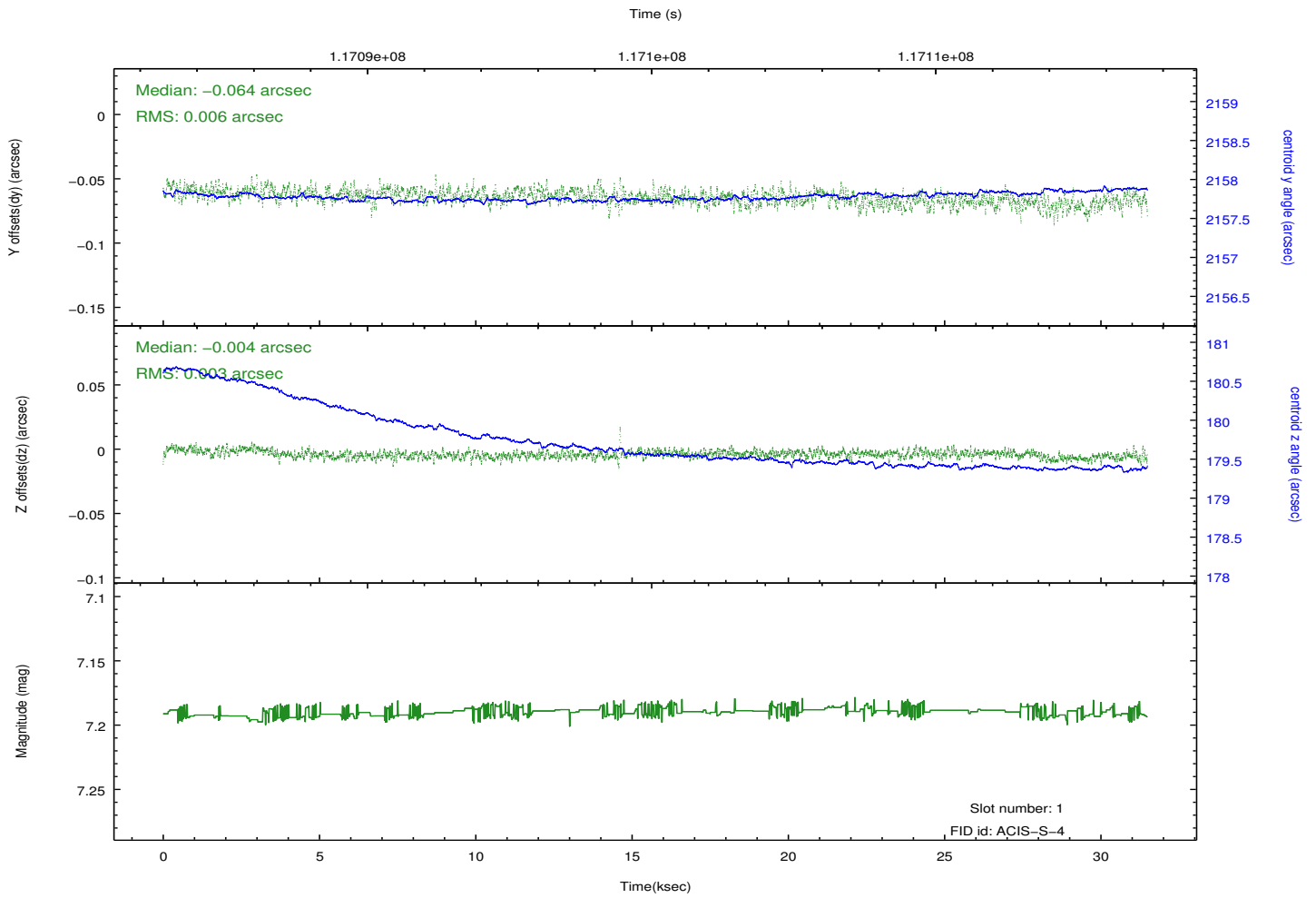
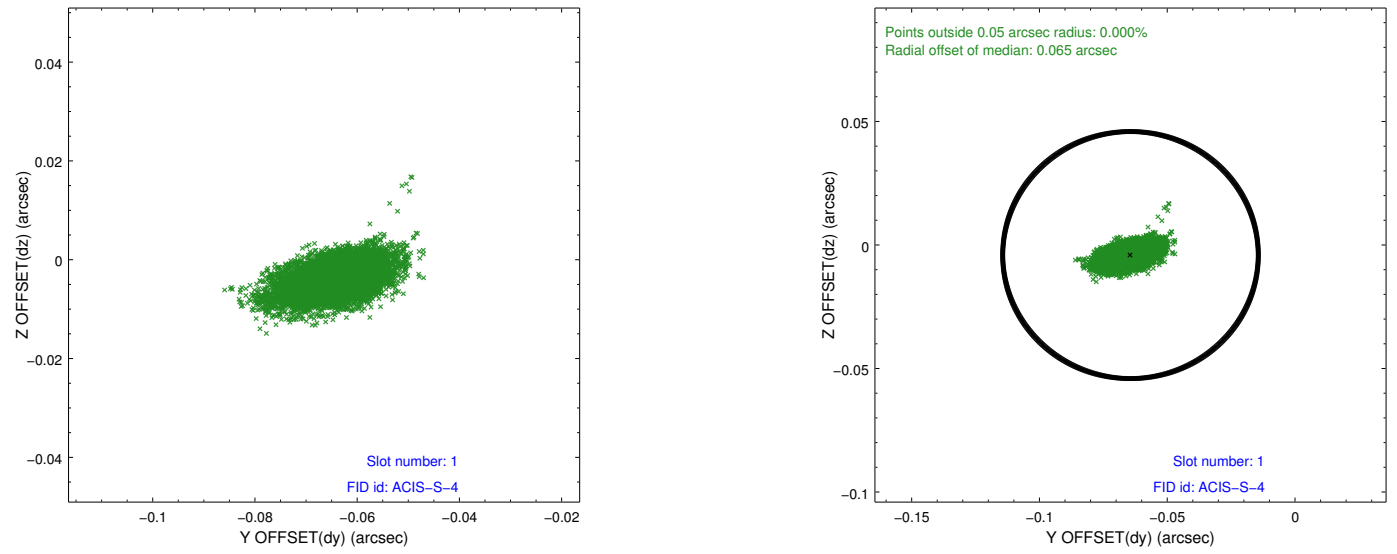


## 2.5 FID Slots

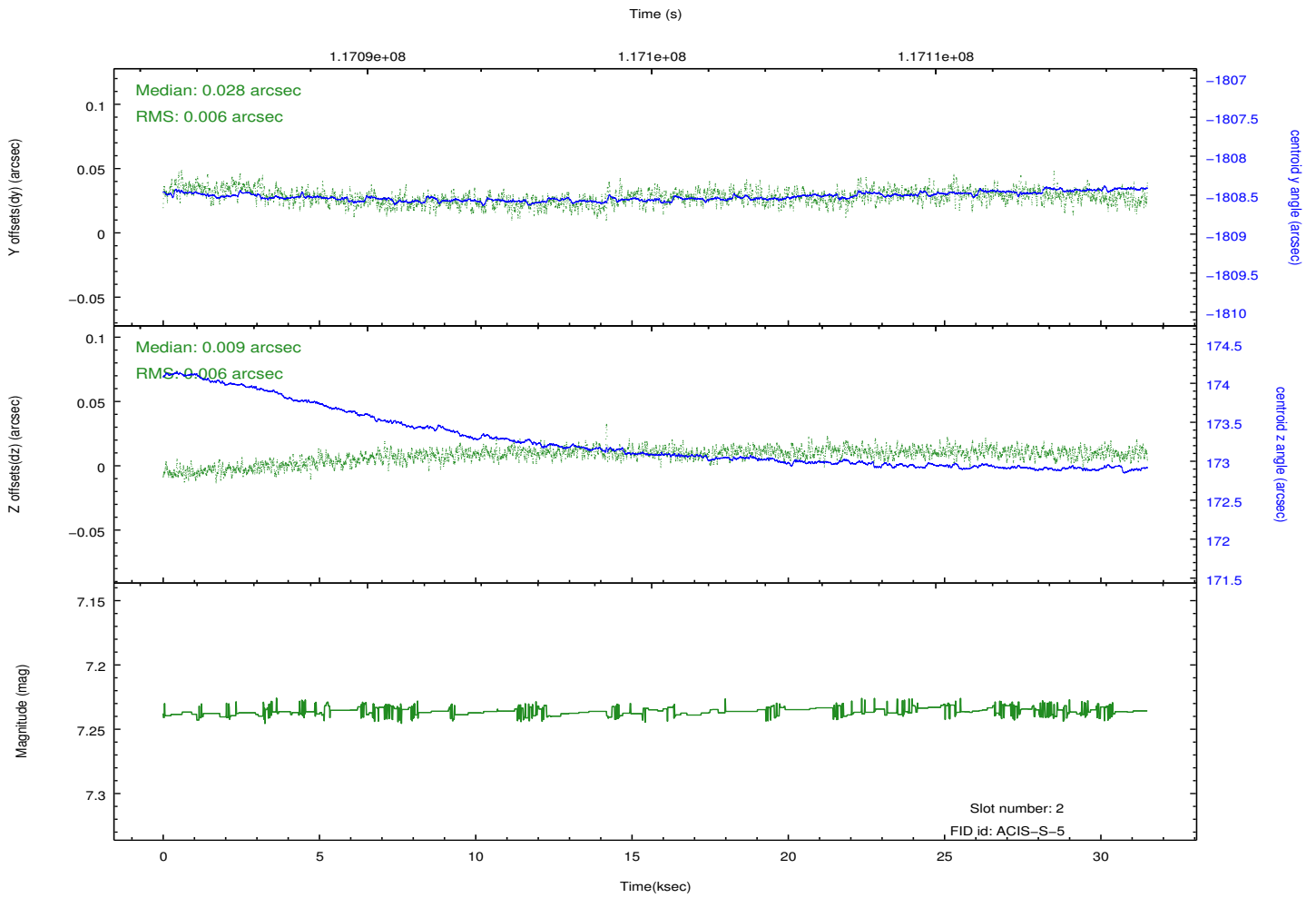
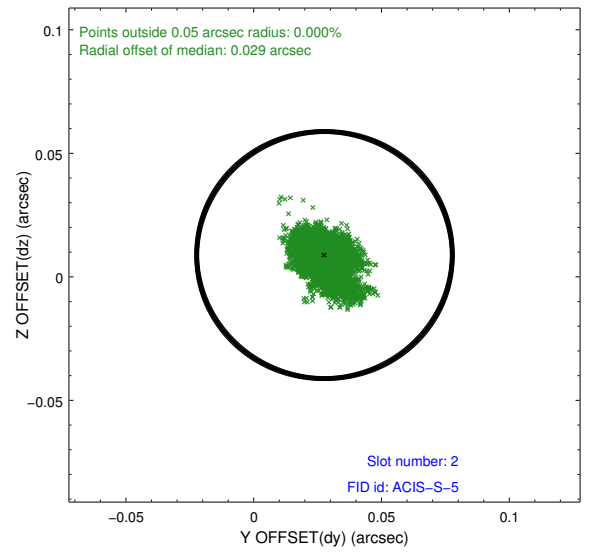
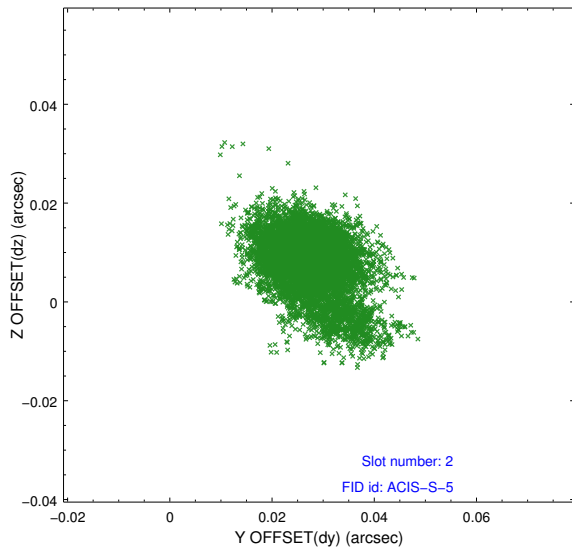
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.488

## A.2 Comments