

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8157 - L2 Version 2  
Chandra X-Ray Center

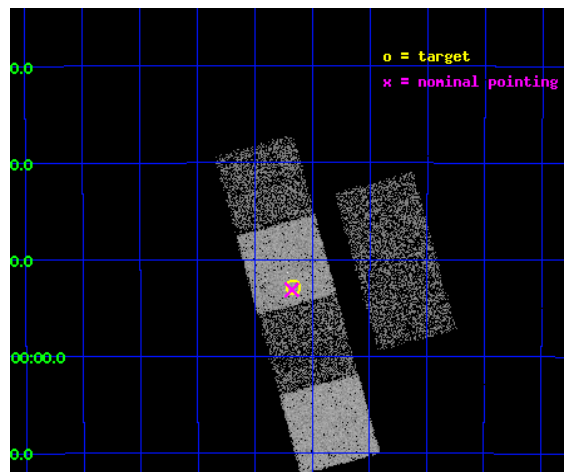
L2 Processing Date : May 3 2012

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# 1 Front

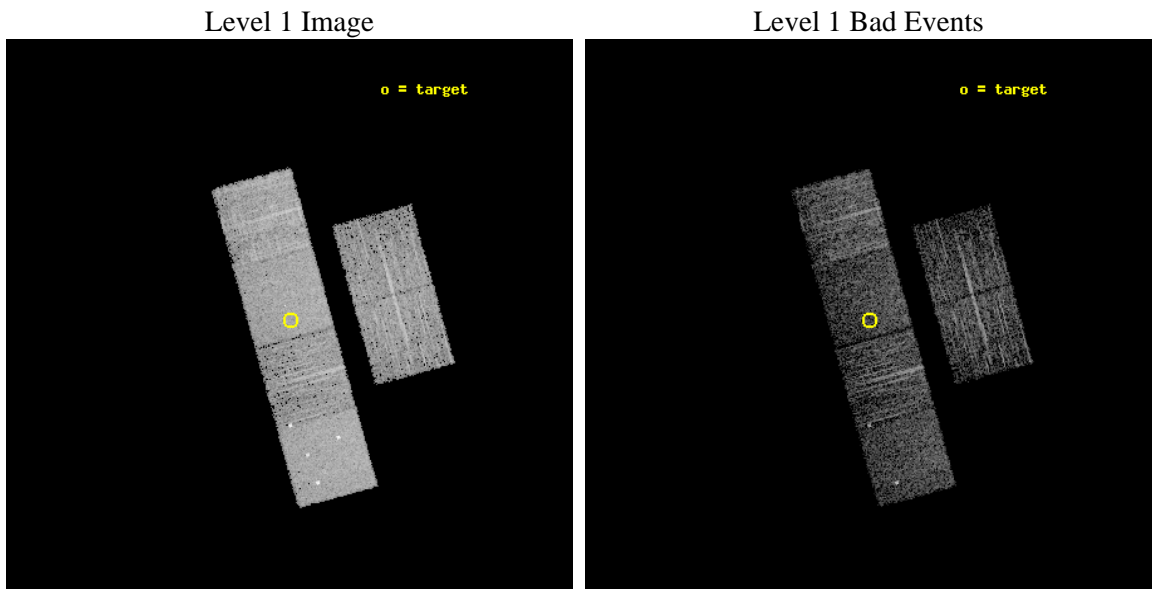
seq_num	900698	Sequence number
obs_id	8157	Observation id
title	ChICAGO GTO: Chandra Identification of Compact ASCA Galactic Objects	&#160
observer	Dr. Stephen Murray	Principal investigator
object	AX J171910-3652	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	259.792917	Observer's specified target RA [deg]
dec_targ	-36.881	Observer's specified target Dec [deg]
ra_nom	259.79455662841	Nominal RA [deg]
dec_nom	-36.885741851237	Nominal Dec [deg]
roll_nom	254.56967635646	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2438.3999909759	Sum of GTIs [s]
livetime	2407.5235020619	Livetime [s]
ontime2	2438.3999909759	Sum of GTIs [s]
ontime3	2438.3999909759	Sum of GTIs [s]
ontime5	2438.3999909759	Sum of GTIs [s]
ontime6	2438.3999909759	Sum of GTIs [s]
ontime7	2438.3999909759	Sum of GTIs [s]
ontime8	2435.1590306759	Sum of GTIs [s]
l2events	40115	Number of level 2 events



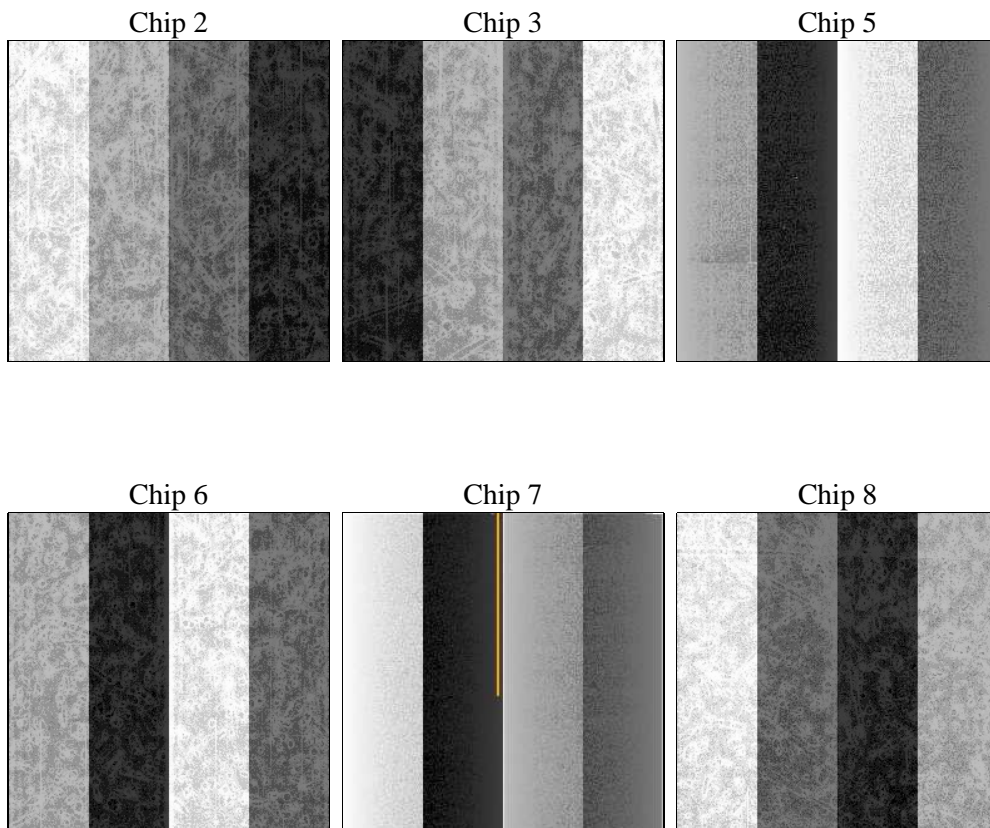
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2680.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2438.3999909759	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	2438.3999909759	Sum of GTIs [s]
date	2012-05-03T12:27:12	Date and time of file creation	ontime3	2438.3999909759	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2438.3999909759	Sum of GTIs [s]
			ontime6	2438.3999909759	Sum of GTIs [s]
			ontime7	2438.3999909759	Sum of GTIs [s]
			ontime8	2435.1590306759	Sum of GTIs [s]
			l1events	175431	Number of level 1 events

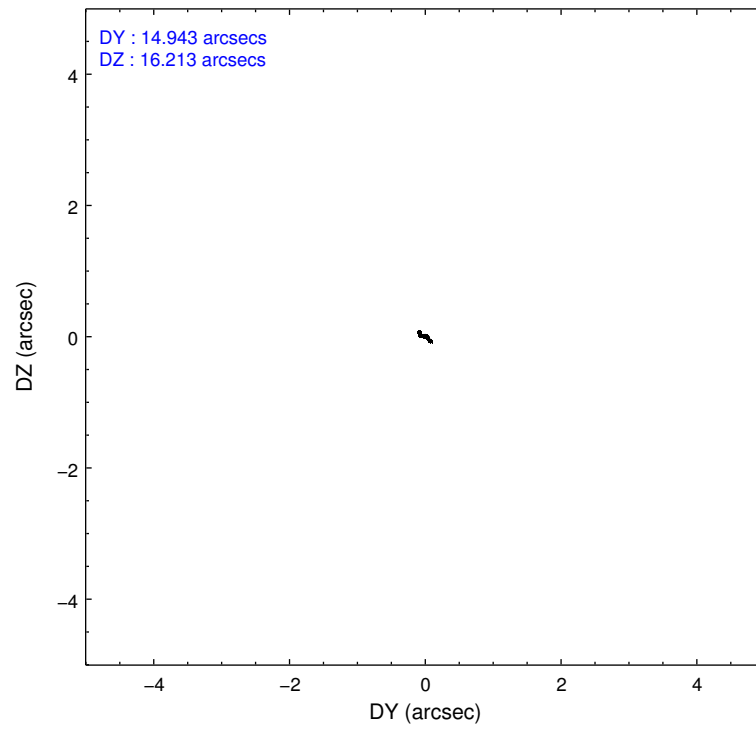
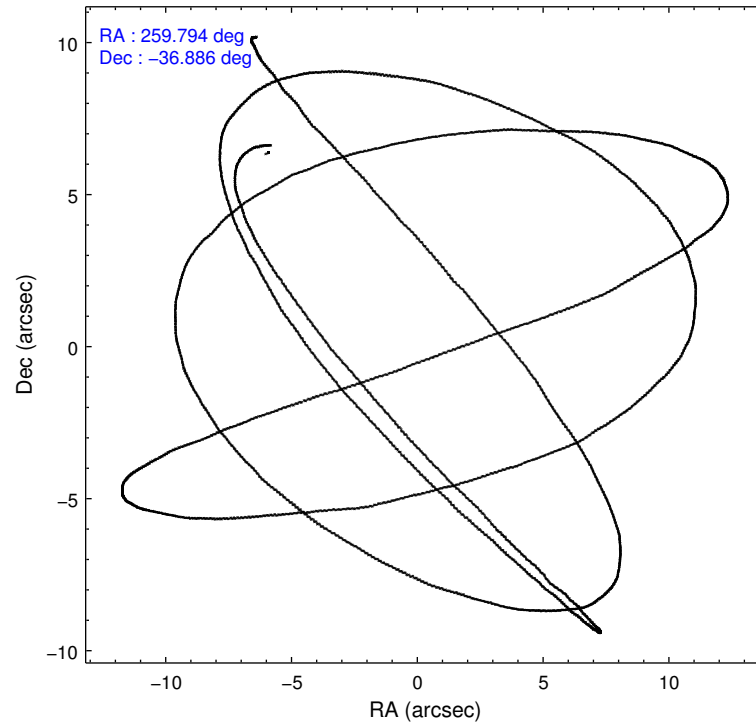
### 2.1.4 Events

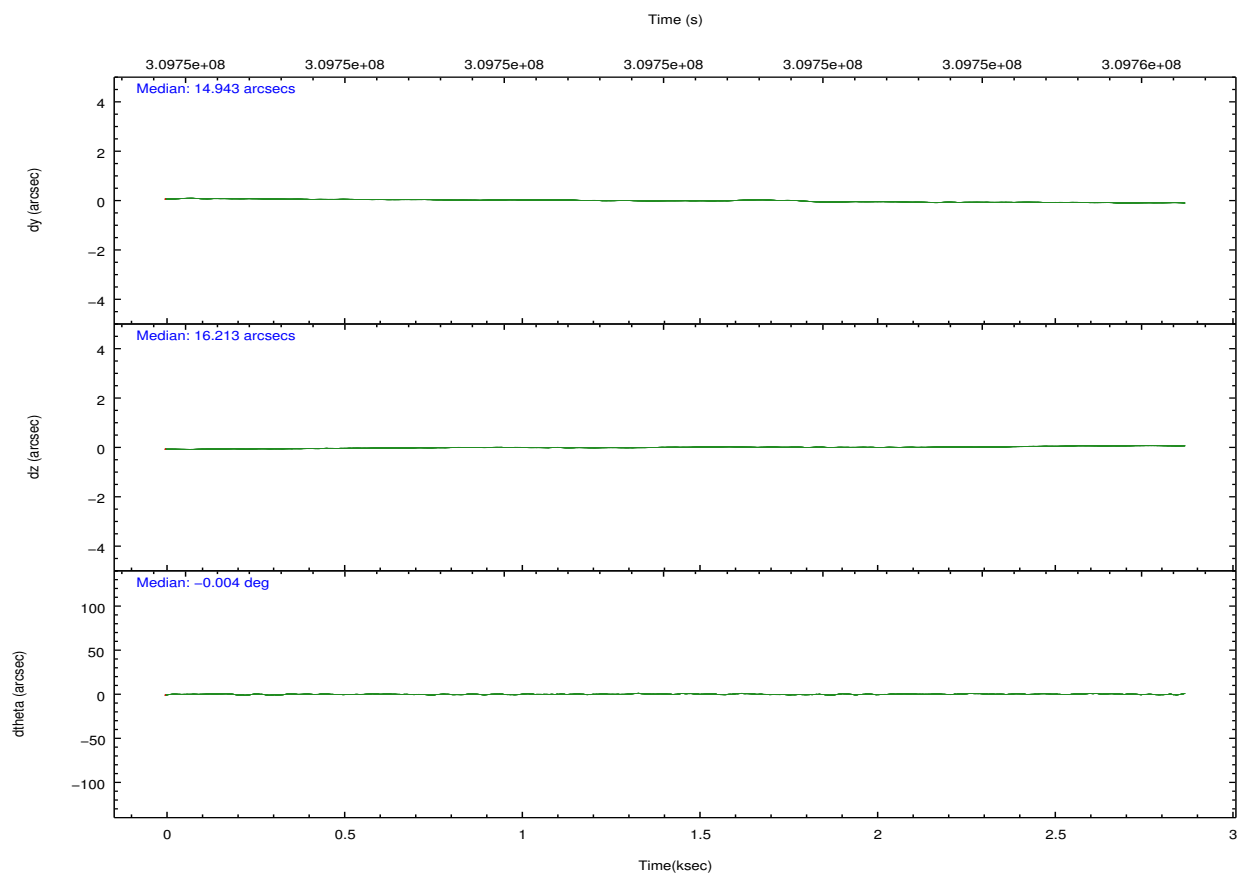
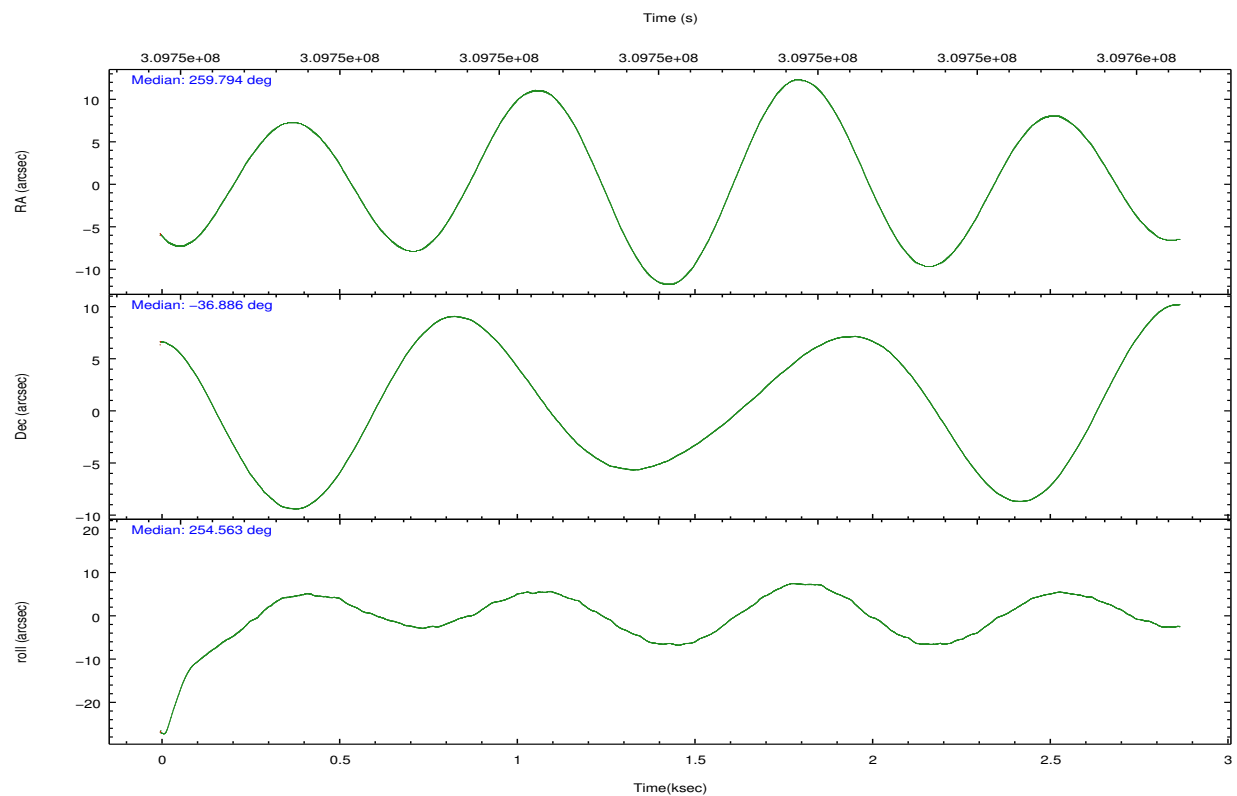
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	24728	21846	38144	24426	32513	33774	grade 0 events	1270	1336	2332	1210	1243	2173
rejected events	21872	18971	19743	21430	18578	26943		5%	6%	6%	4%	3%	6%
rejected %	88%	86%	51%	87%	57%	79%	grade 1 events	17	15	379	17	26	27
								0%	0%	0%	0%	0%	0%
							grade 2 events	612	536	5357	645	2786	1550
								2%	2%	14%	2%	8%	4%
							grade 3 events	243	259	666	272	1206	728
								0%	1%	1%	1%	3%	2%
							grade 4 events	263	256	647	275	1162	645
								1%	1%	1%	1%	3%	1%
							grade 5 events	896	1048	2696	1127	2953	1475
								3%	4%	7%	4%	9%	4%
							grade 6 events	469	491	9425	597	7561	1742
								1%	2%	24%	2%	23%	5%
							grade 7 events	20958	17905	16642	20283	15576	25434
								84%	81%	43%	83%	47%	75%

## 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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	259.785568	259.7945566284054	CCD I2 on	O2	Y
[deg] Pointing Dec	-36.859292	-36.8857418512374	CCD I3 on	O3	Y
[deg] Pointing Roll	254.407744	254.5696763564584	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O4	Y
[s] Observation start time (MET)	309752281.184000	309751768.06106	CCD S5 on	N	N
Observation start date	2007-10-26T02:16:56	2007-10-26T02:09:28	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	309754961.184000	309755153.63623	On-chip summing requested	N	N
Observation end date	2007-10-26T03:01:36	2007-10-26T03:05:53	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect





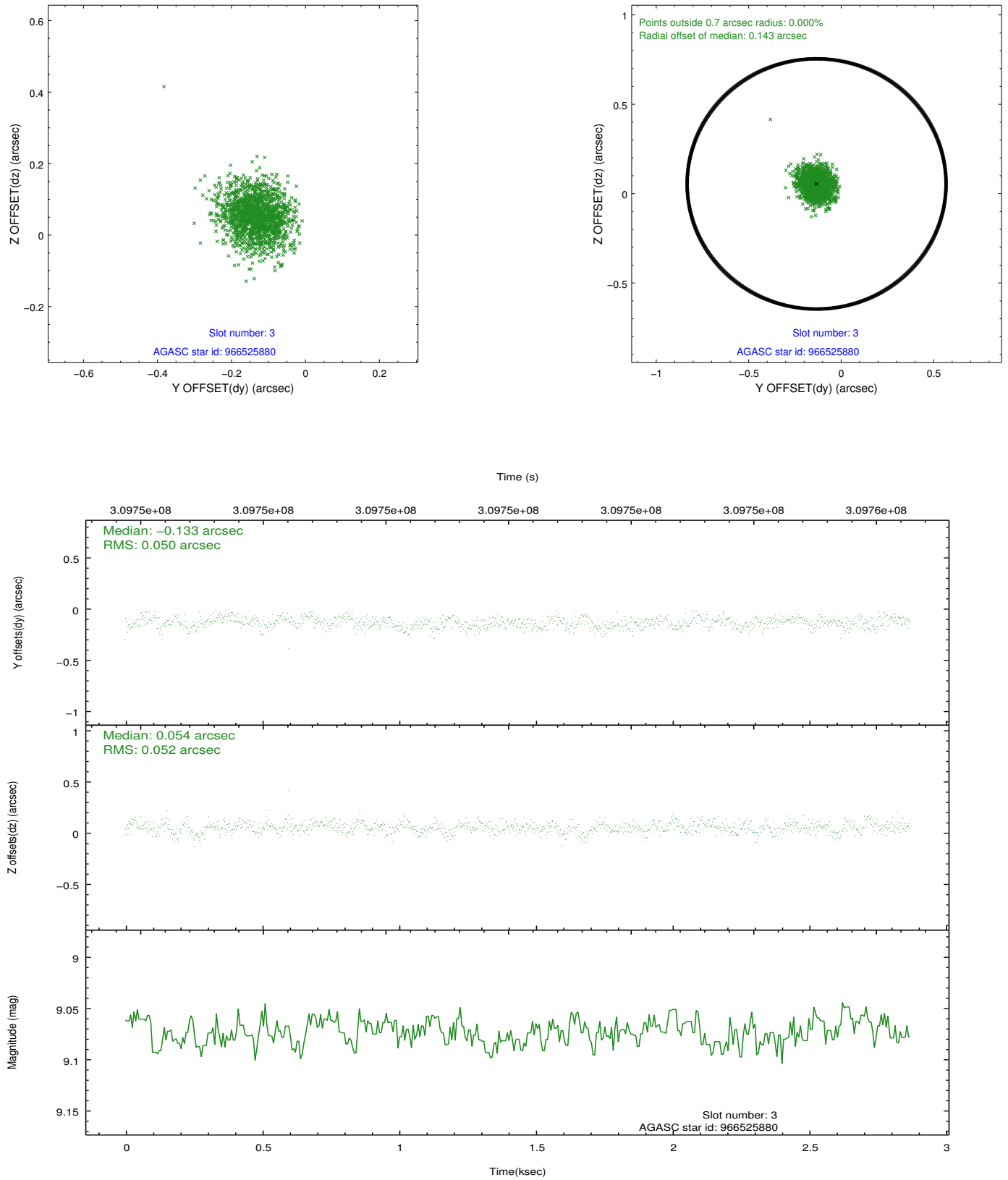
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	701	-0.088	-0.033	0.006	0.011	0.000000	0.000000	-768.00	-1737.60
1	FID	ACIS-S-4	7.19	701	0.200	0.051	0.005	0.011	0.000000	0.000000	2144.55	168.63
2	FID	ACIS-S-5	7.22	701	-0.144	-0.010	0.007	0.012	0.000000	0.000000	-1818.03	164.81
3	GUIDE	966525880	9.07	1399	-0.133	0.054	0.076	0.123	260.250454	-37.024776	217.70	1448.27
4	GUIDE	966527864	8.17	1401	-0.081	-0.106	0.062	0.100	259.198901	-37.409371	2363.60	-1080.82
5	GUIDE	966527920	8.34	1400	0.242	-0.033	0.075	0.126	259.397566	-37.262380	1700.79	-680.52
6	GUIDE	966530176	8.77	1401	0.107	0.032	0.071	0.117	260.167913	-36.682742	-905.49	892.65
7	GUIDE	966530544	8.76	1400	-0.132	0.059	0.078	0.125	260.631187	-36.513761	-1846.27	2025.92

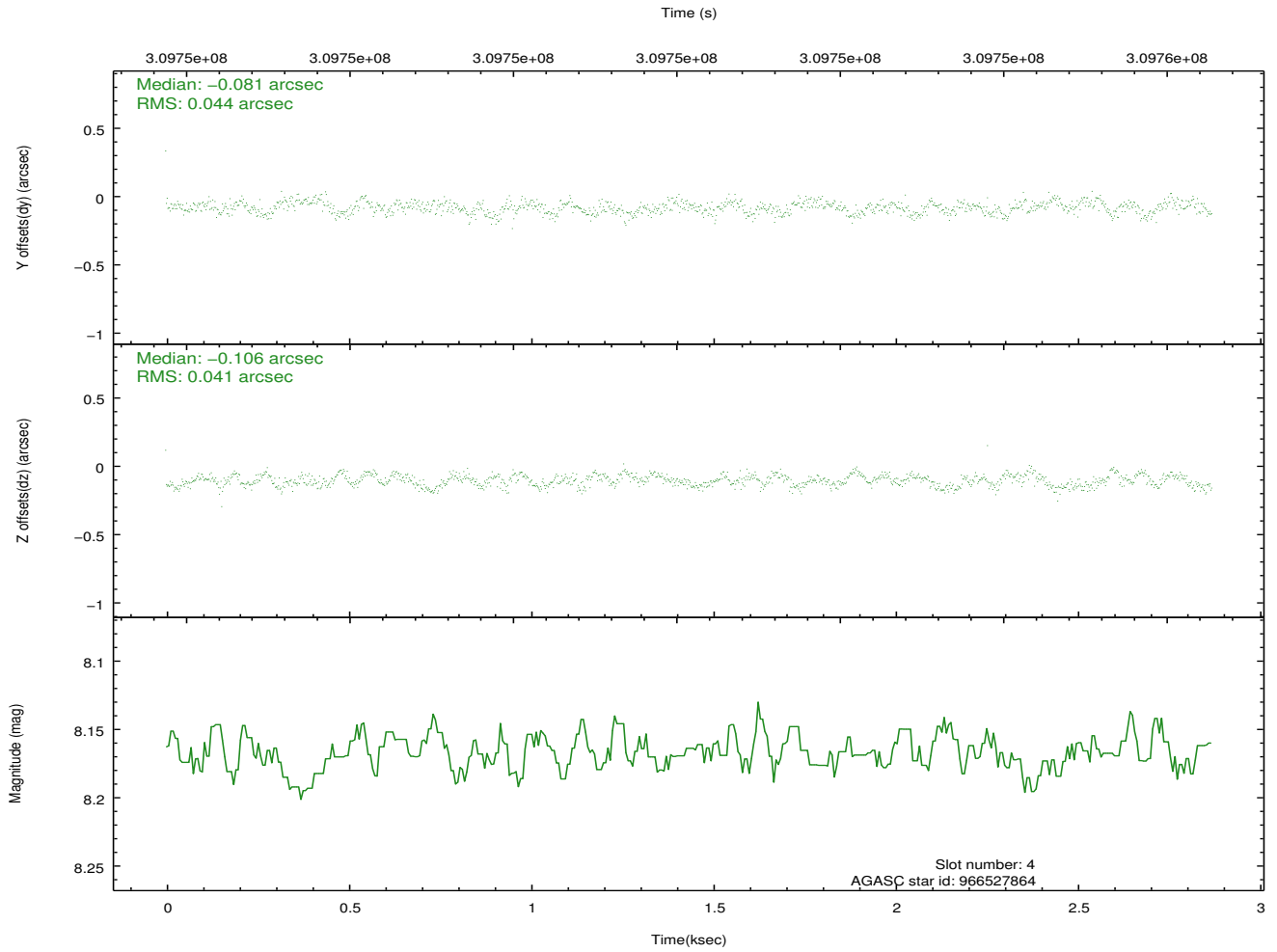
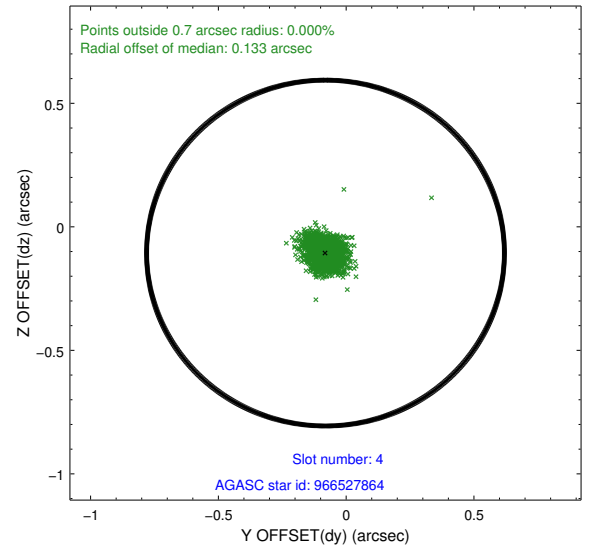
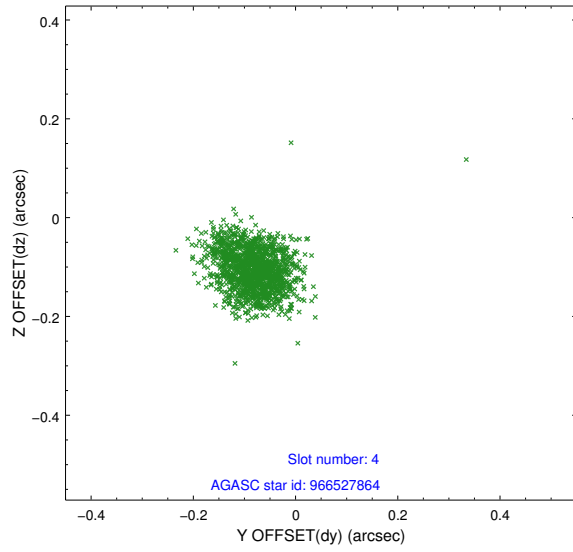


## 2.4 Star Slots

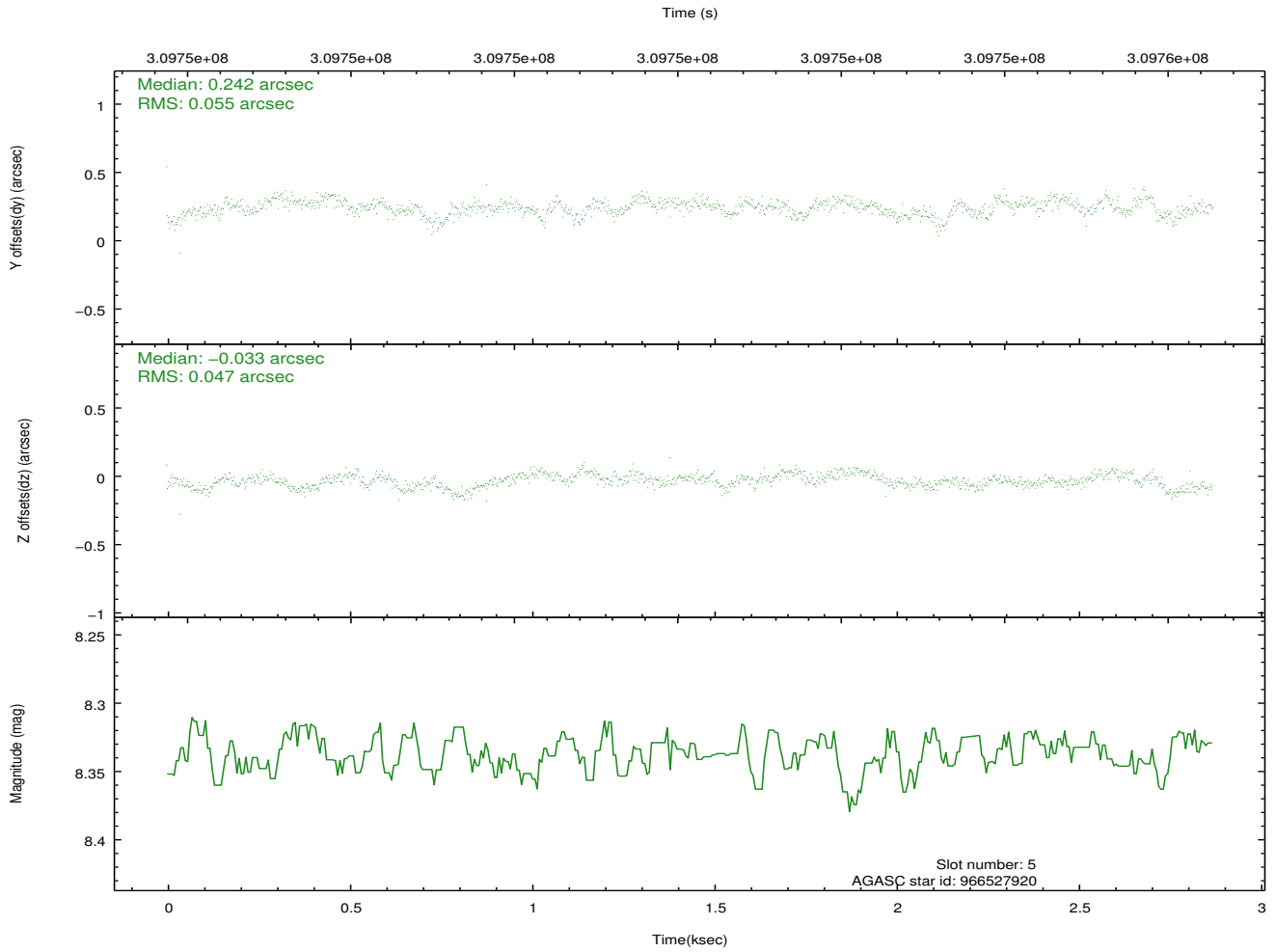
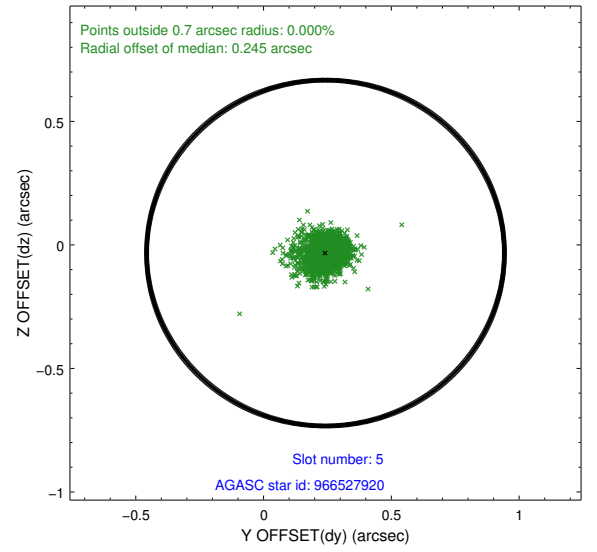
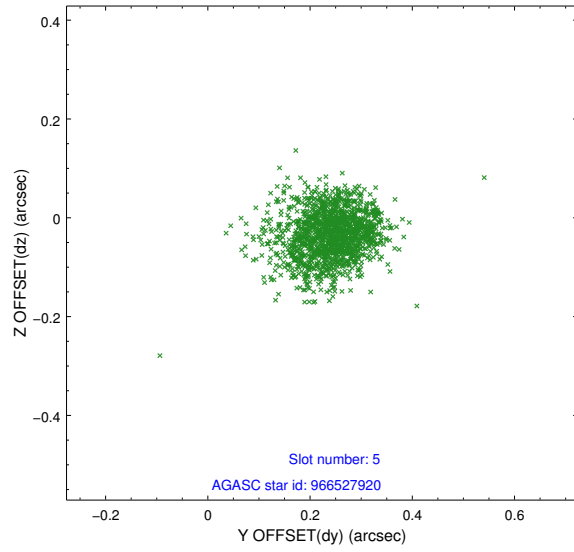
### 2.4.1 Slot 3



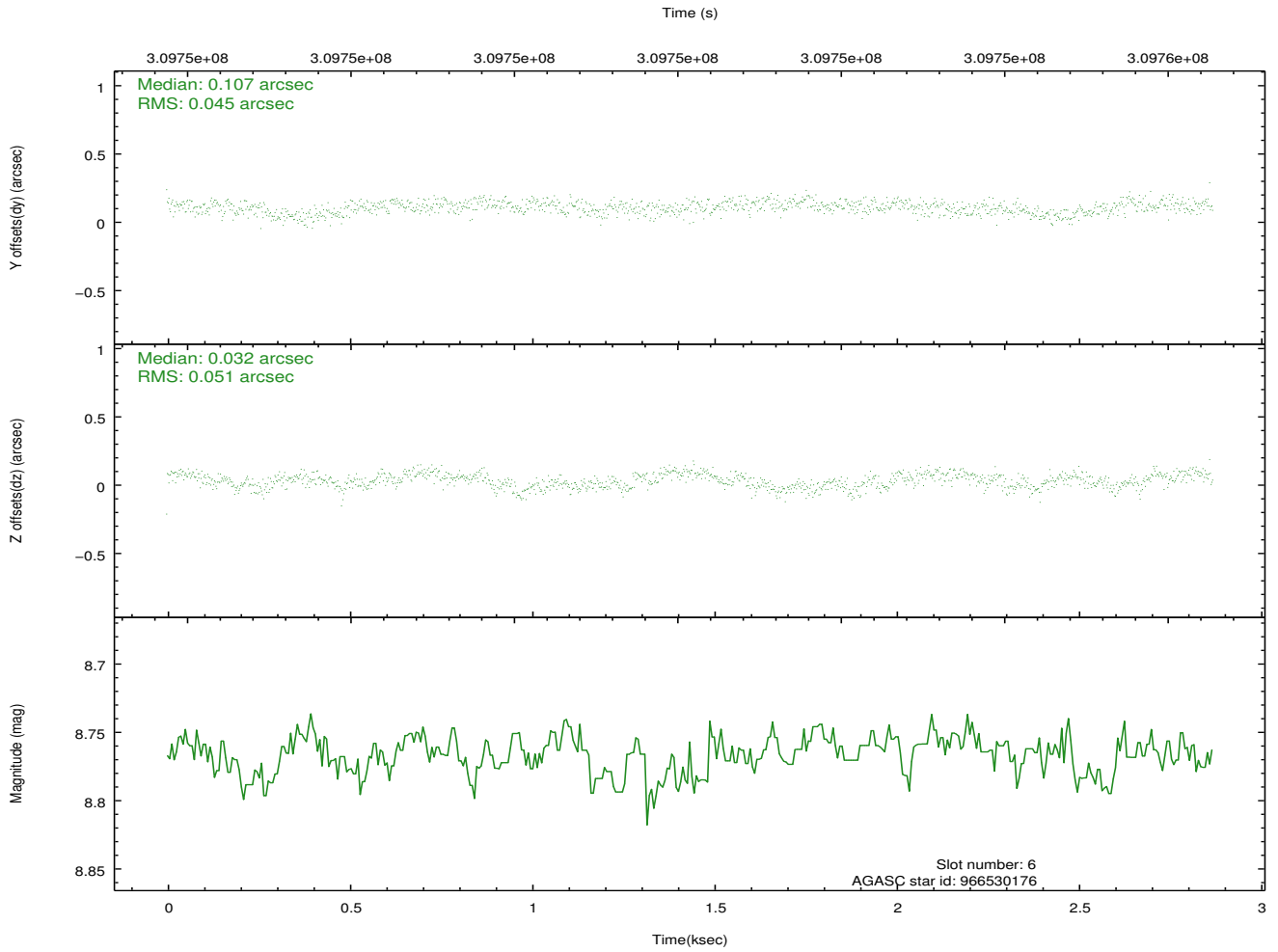
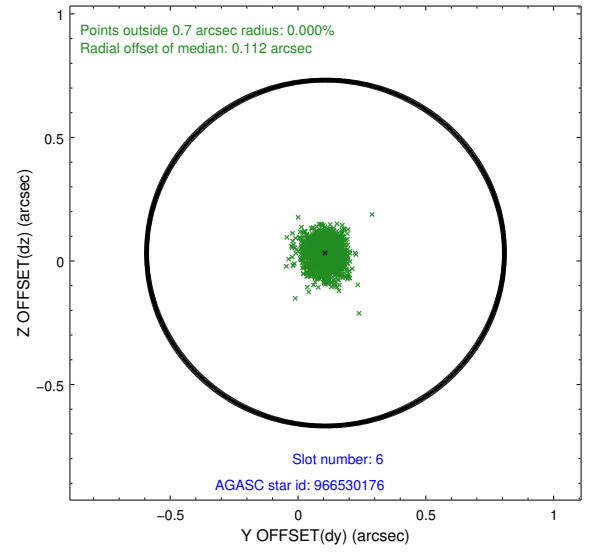
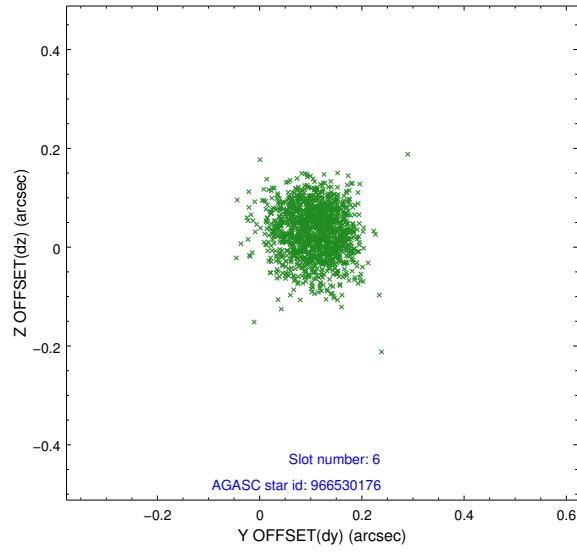
## 2.4.2 Slot 4



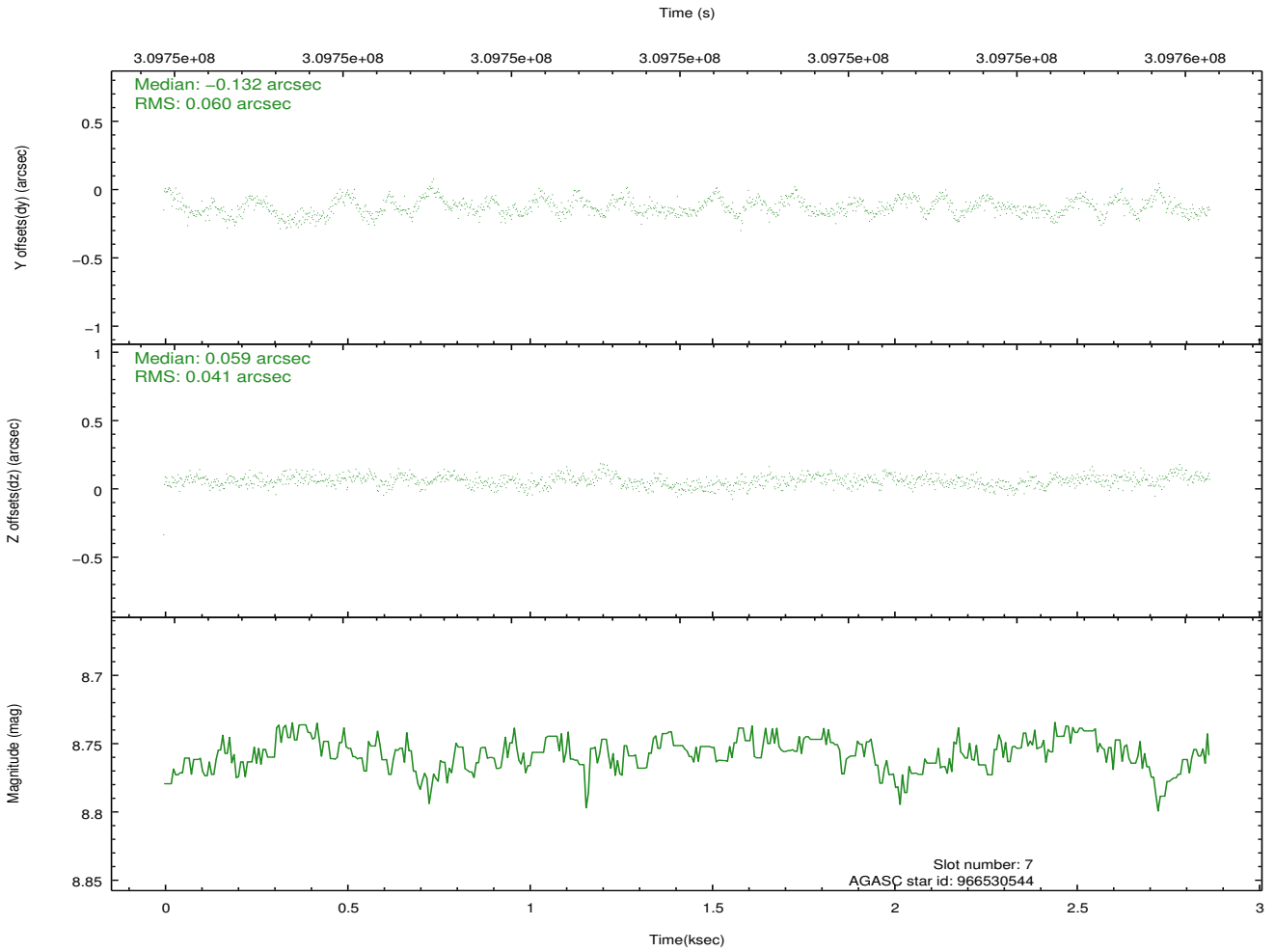
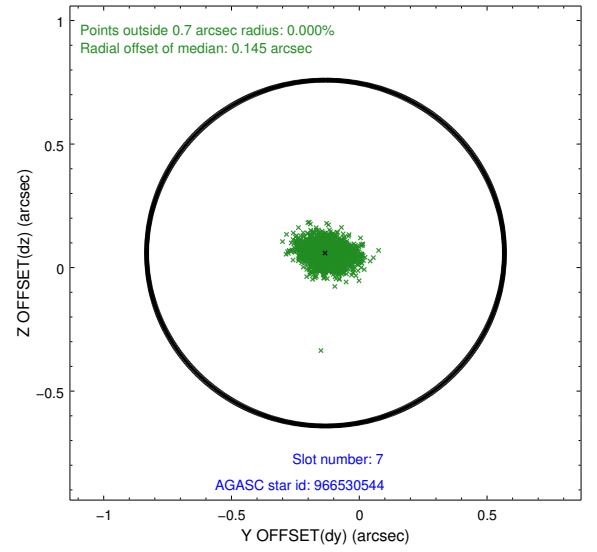
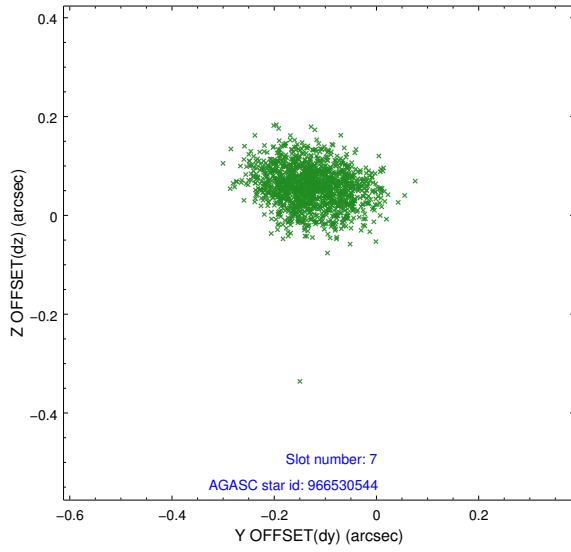
### 2.4.3 Slot 5



## 2.4.4 Slot 6

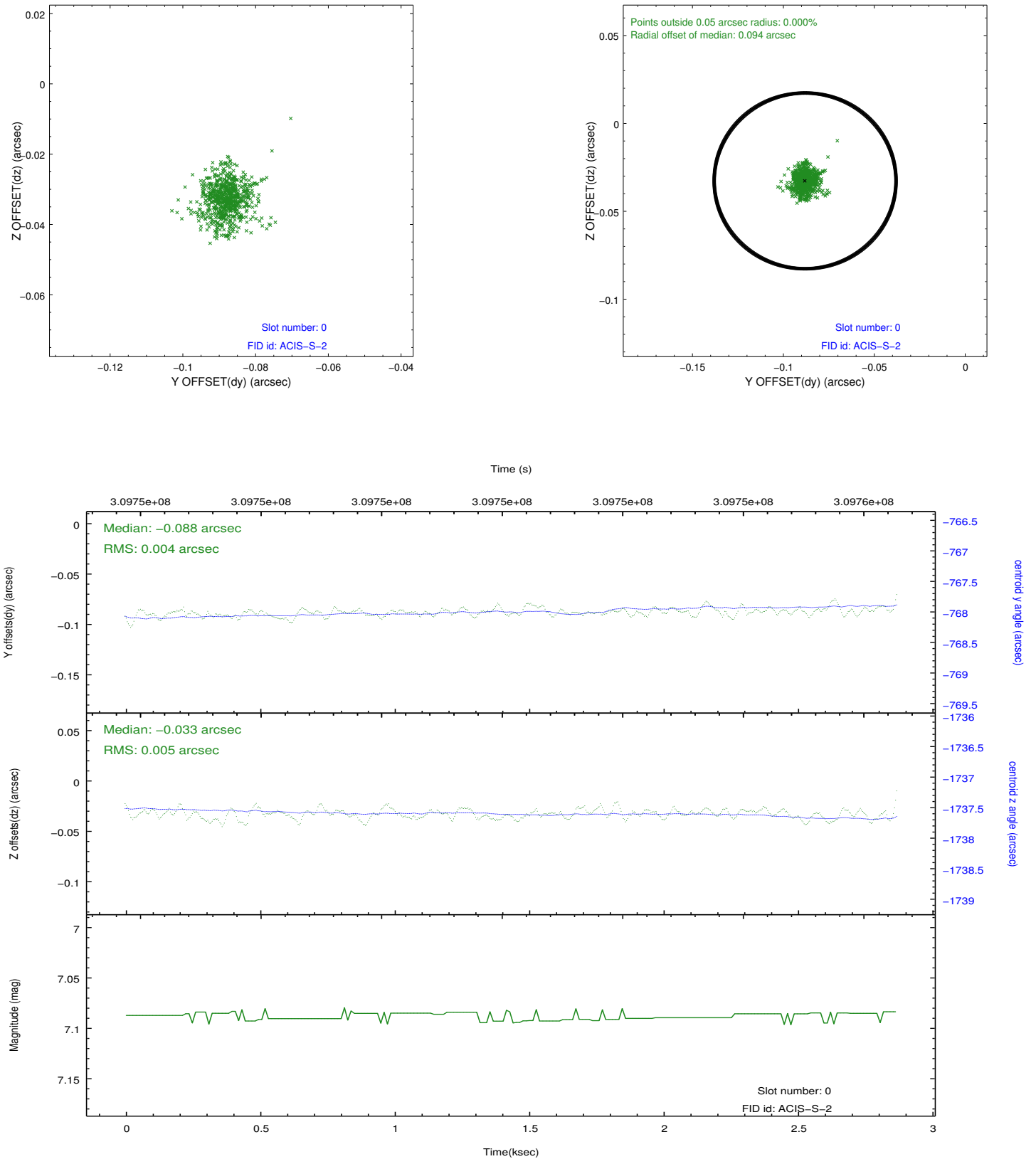


## 2.4.5 Slot 7

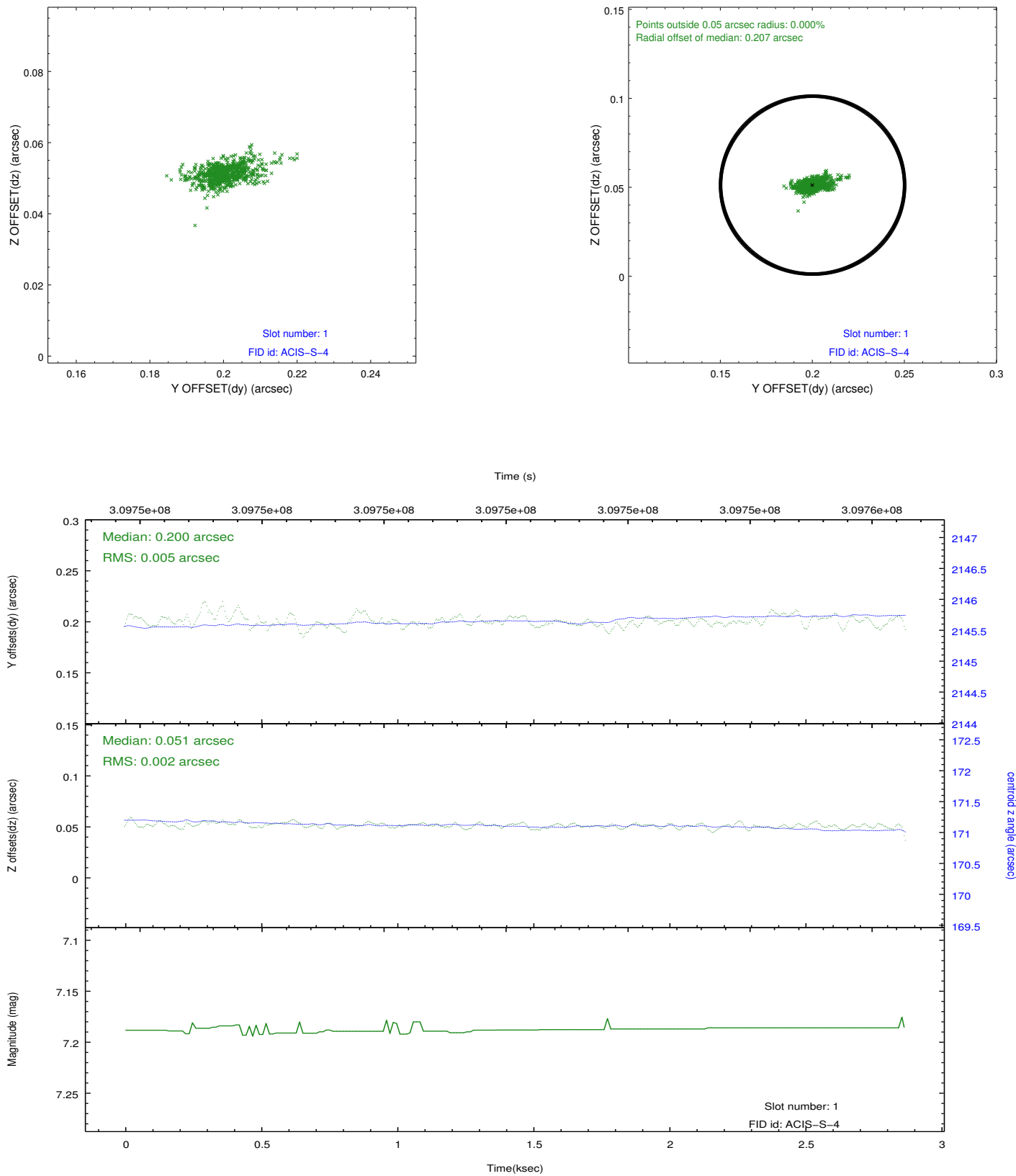


## 2.5 FID Slots

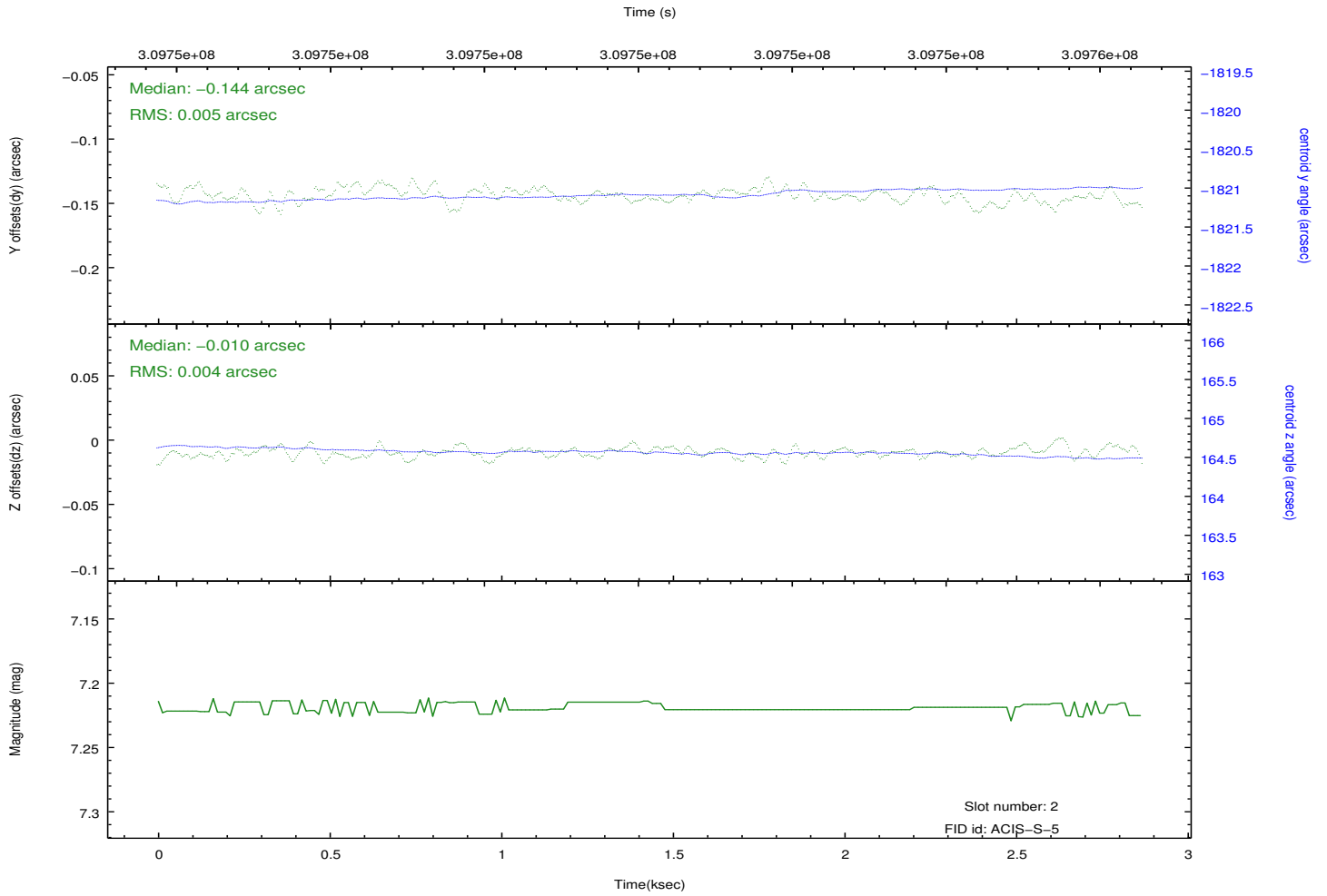
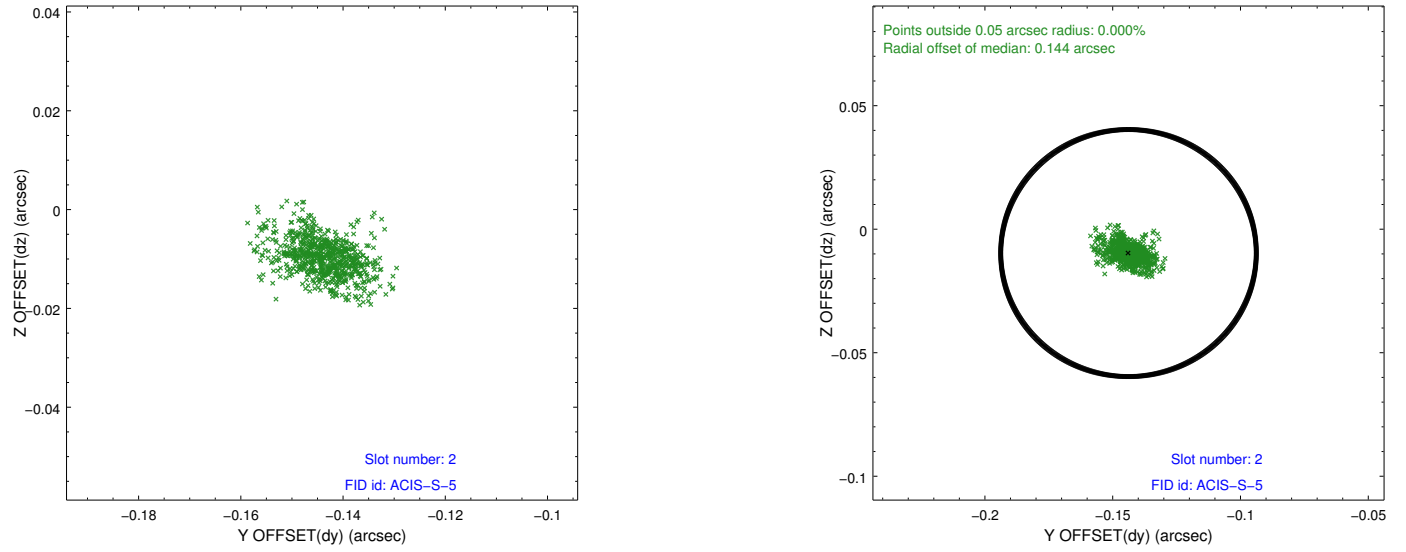
### 2.5.1 Slot 0



## 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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.43839999

### A.2 Comments