

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9012 - L2 Version 2  
Chandra X-Ray Center

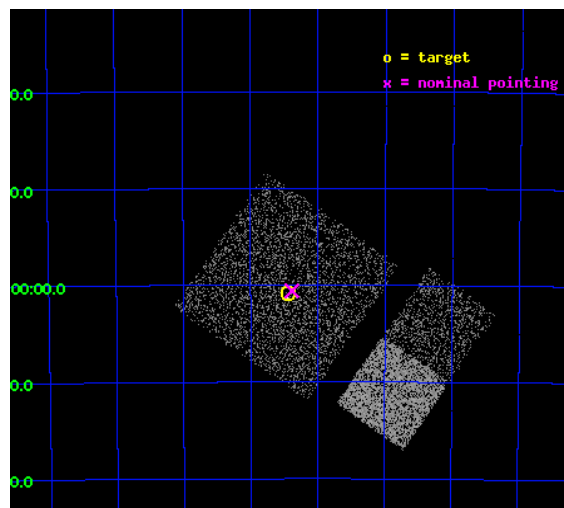
L2 Processing Date : May 5 2012

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# 1 Front

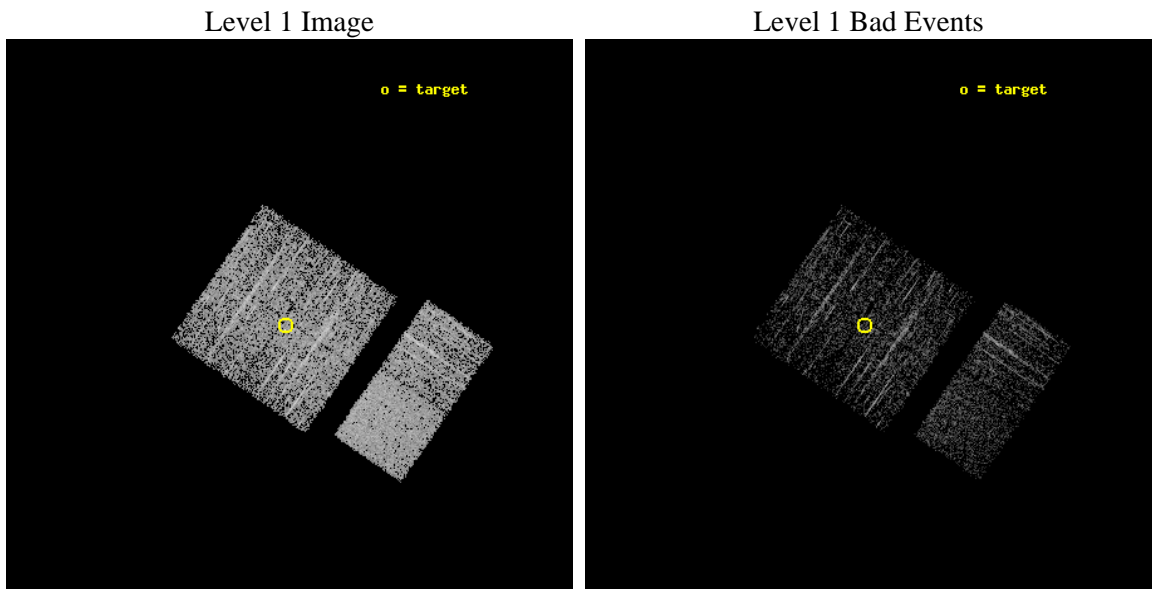
seq_num	400863	Sequence number
obs_id	9012	Observation id
title	Chandra observations of an enigmatic class of faint accreting slow pulsators	Proposal title
observer	Dr. Rudy Wijnands	Principal investigator
object	SAX J1324.4-6200	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.109583	Observer's specified target RA [deg]
dec_targ	-62.014722	Observer's specified target Dec [deg]
ra_nom	201.09640703162	Nominal RA [deg]
dec_nom	-62.009855738624	Nominal Dec [deg]
roll_nom	124.66565963181	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1126.3999958634	Sum of GTIs [s]
livetime	1112.1368408792	Livetime [s]
ontime0	1126.3999958634	Sum of GTIs [s]
ontime1	1126.3999958634	Sum of GTIs [s]
ontime2	1126.3999958634	Sum of GTIs [s]
ontime3	1126.3999958634	Sum of GTIs [s]
ontime6	1126.3999958634	Sum of GTIs [s]
ontime7	1126.3999958634	Sum of GTIs [s]
l2events	12038	Number of level 2 events



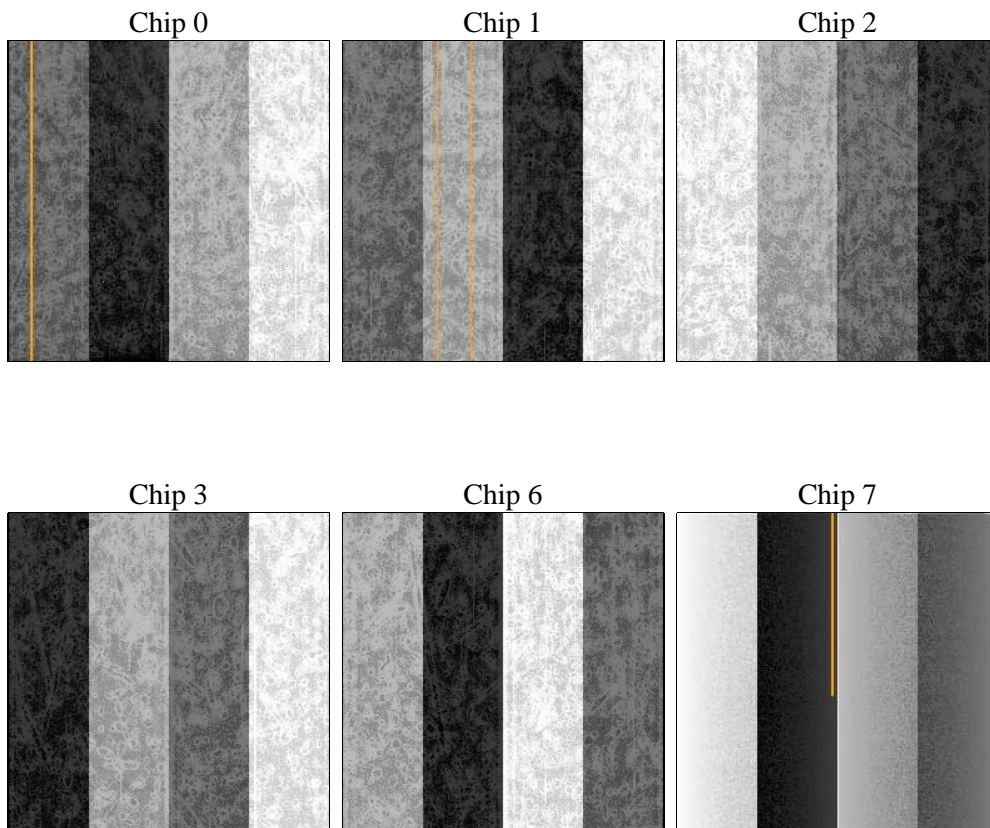
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1126.3999958634	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	1126.3999958634	Sum of GTIs [s]
date	2012-05-05T05:09:45	Date and time of file creation	ontime1	1126.3999958634	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1126.3999958634	Sum of GTIs [s]
			ontime3	1126.3999958634	Sum of GTIs [s]
			ontime6	1126.3999958634	Sum of GTIs [s]
			ontime7	1126.3999958634	Sum of GTIs [s]
			l1events	145151	Number of level 1 events

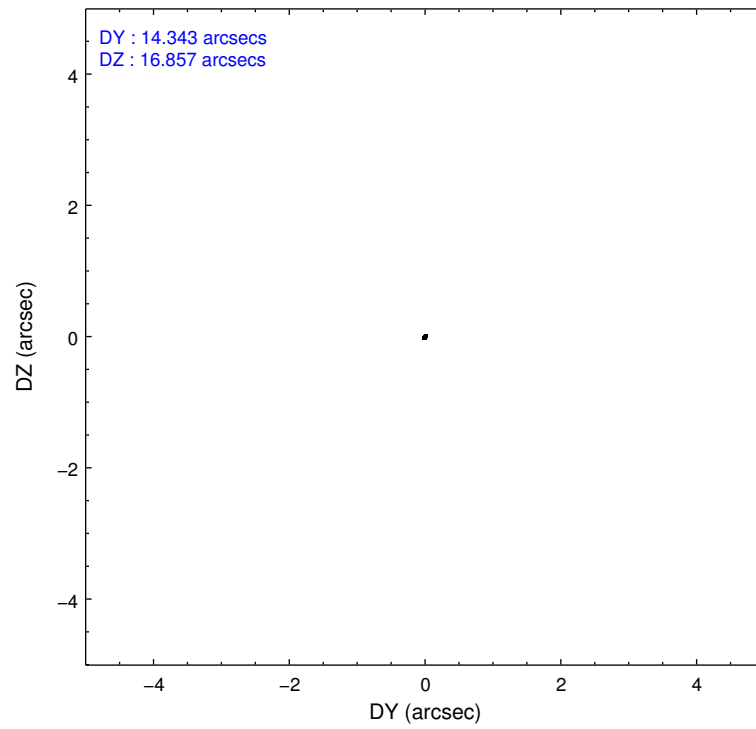
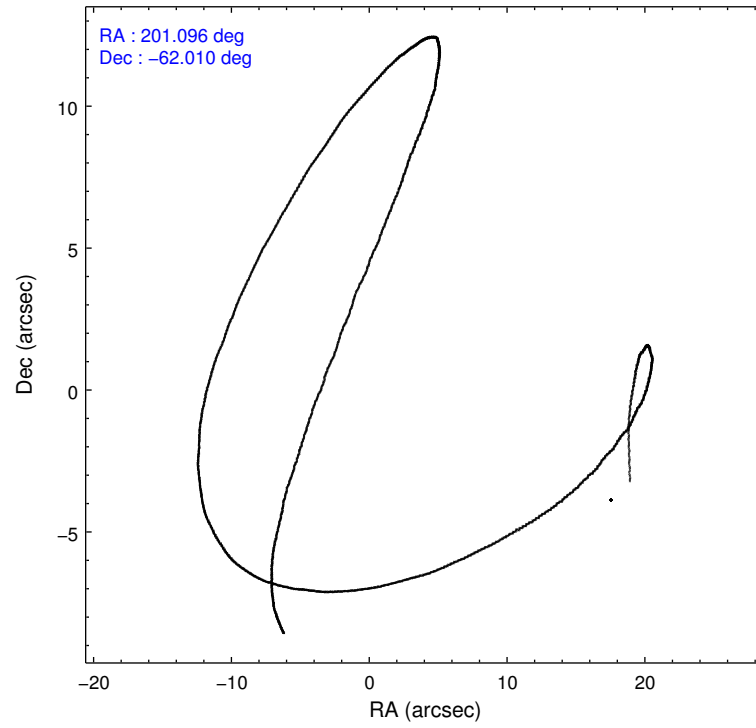
### 2.1.4 Events

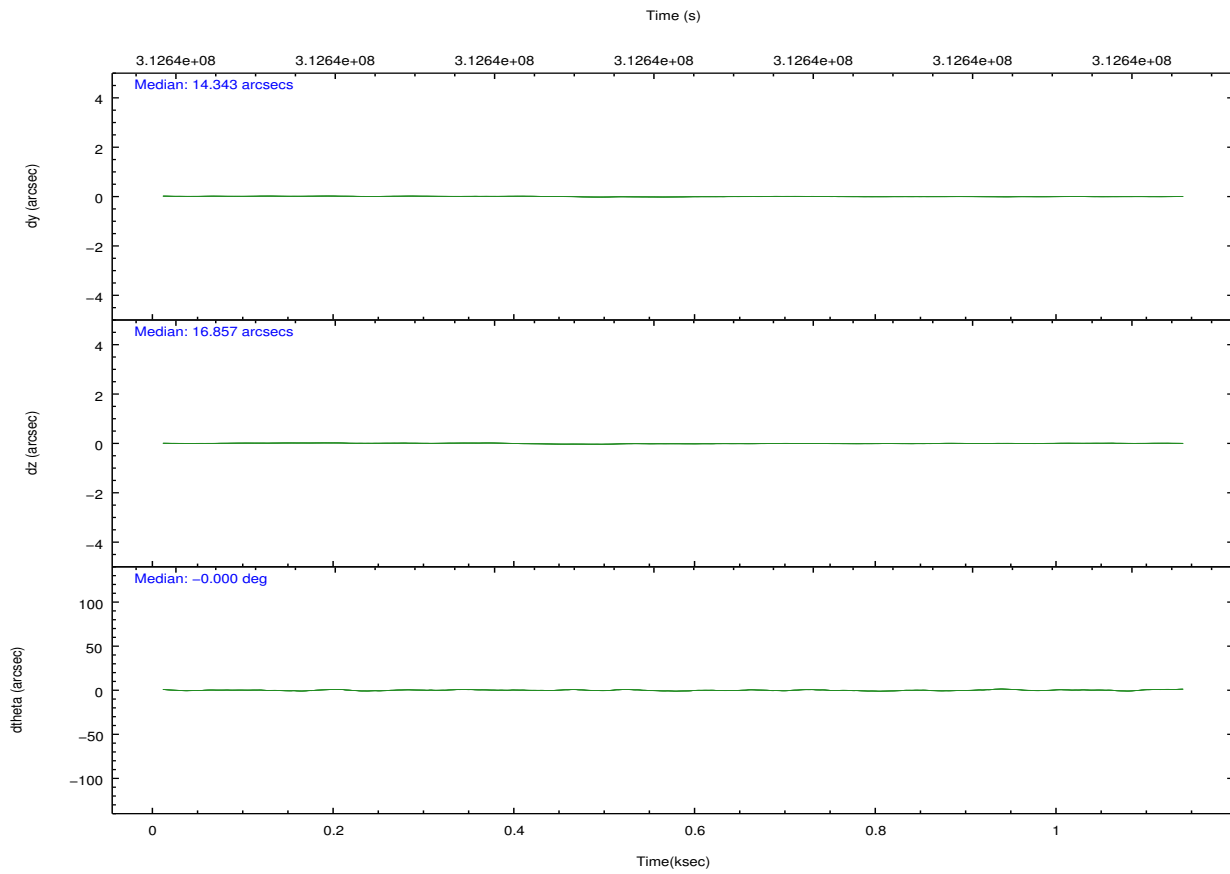
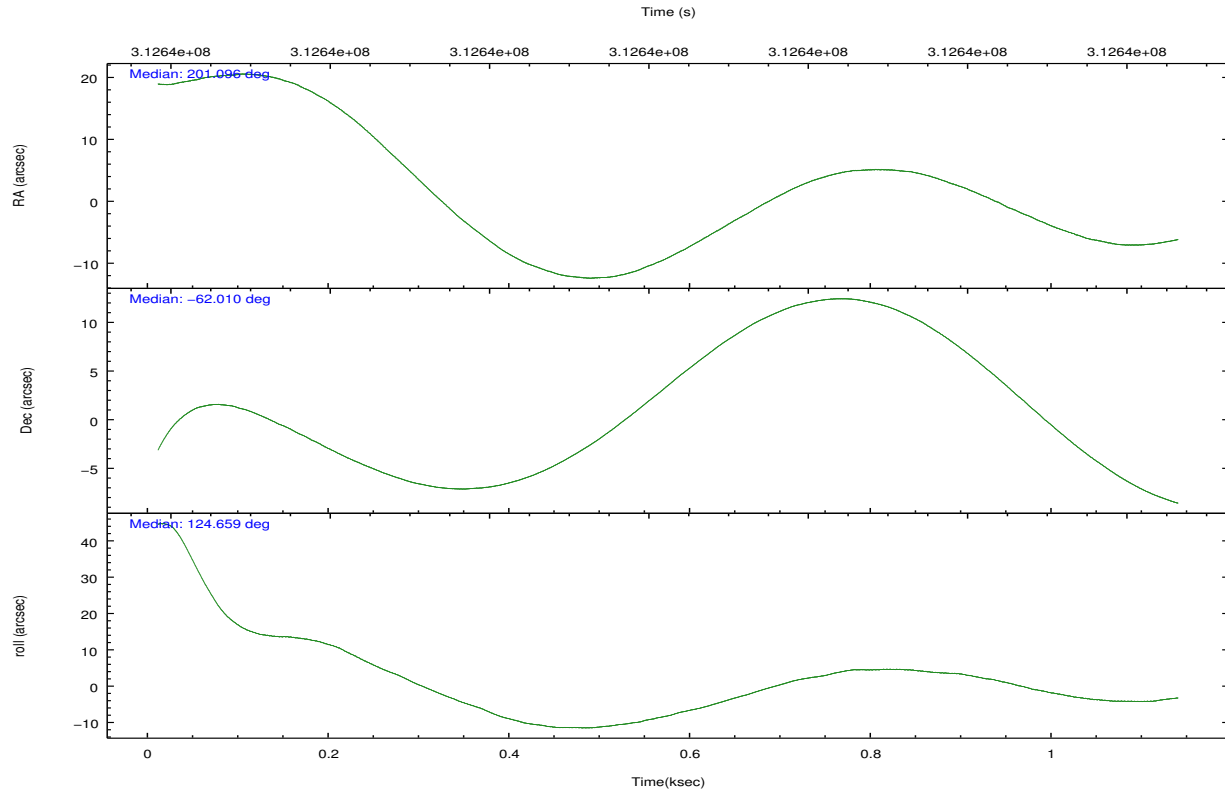
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	21838	20908	22801	23686	23900	32018	grade 0 events	1220	1161	1260	1367	1072	1163
rejected events	20443	19501	21557	22218	22547	25797		5%	5%	5%	5%	4%	3%
rejected %	93%	93%	94%	93%	94%	80%	grade 1 events	7	9	15	16	13	29
								0%	0%	0%	0%	0%	0%
							grade 2 events	665	730	526	589	612	2713
								3%	3%	2%	2%	2%	8%
							grade 3 events	305	293	249	279	263	1065
								1%	1%	1%	1%	1%	3%
							grade 4 events	270	287	256	277	217	1151
								1%	1%	1%	1%	0%	3%
							grade 5 events	939	1016	918	1081	1070	2974
								4%	4%	4%	4%	4%	9%
							grade 6 events	476	586	408	529	604	7352
								2%	2%	1%	2%	2%	22%
							grade 7 events	17956	16826	19169	19548	20049	15571
								82%	80%	84%	82%	83%	48%

## 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	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	201.149096	201.0964070316186	CCD I2 on	Y	Y
[deg] Pointing Dec	-62.021397	-62.00985573862405	CCD I3 on	Y	Y
[deg] Pointing Roll	124.503142	124.6656596318114	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	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	312638989.184000	312637305.15036	CCD S5 on	N	N
Observation start date	2007-11-28T12:08:44	2007-11-28T11:41:45	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	312639989.184000	312640999.25054	On-chip summing requested	N	N
Observation end date	2007-11-28T12:25:24	2007-11-28T12:43:19	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect





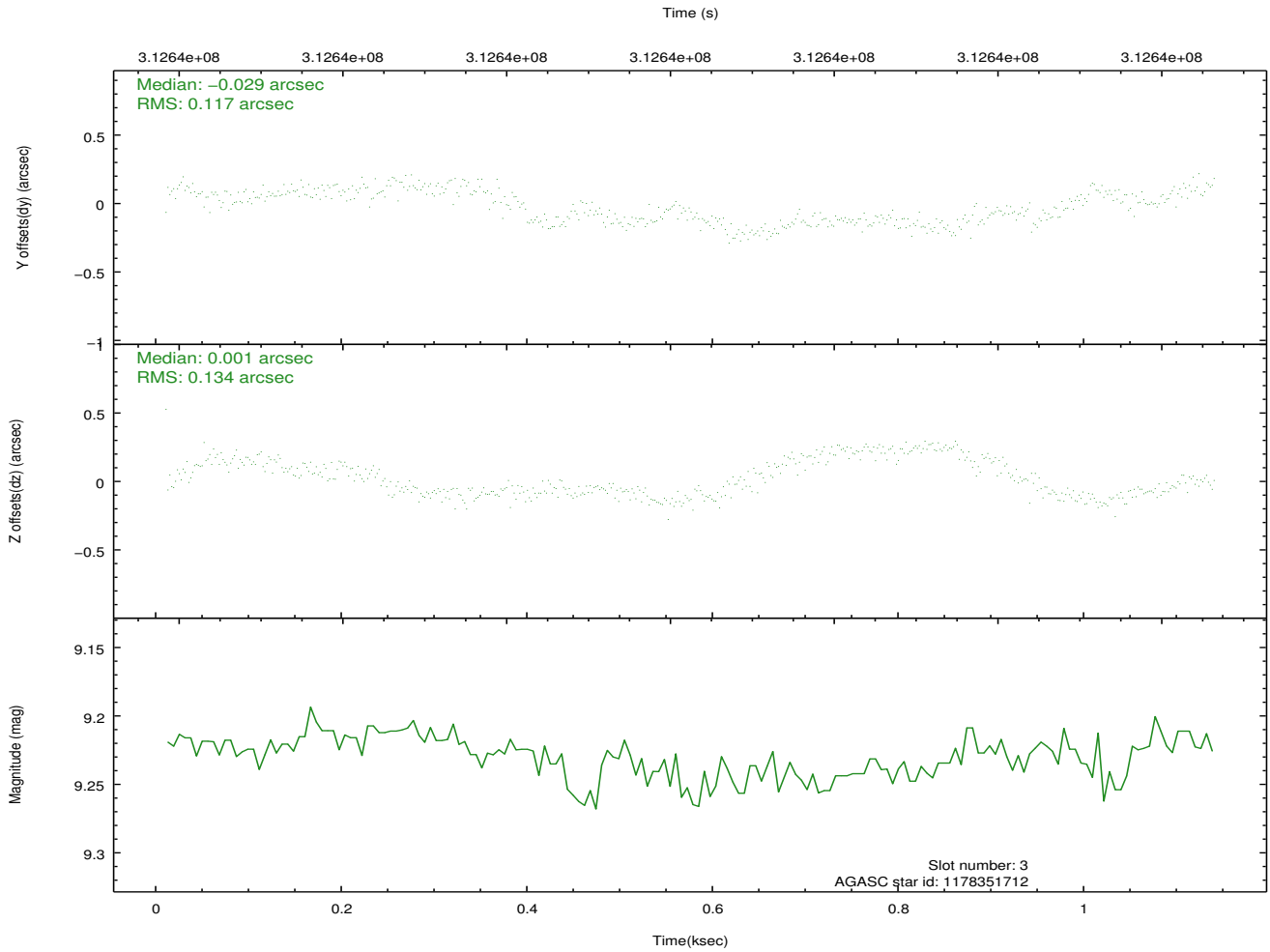
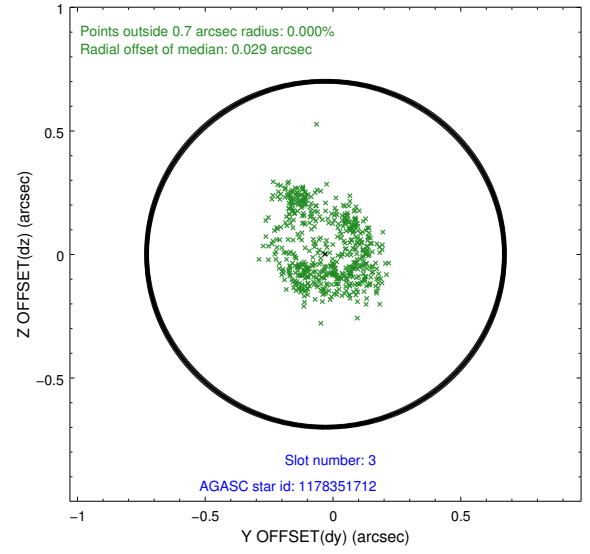
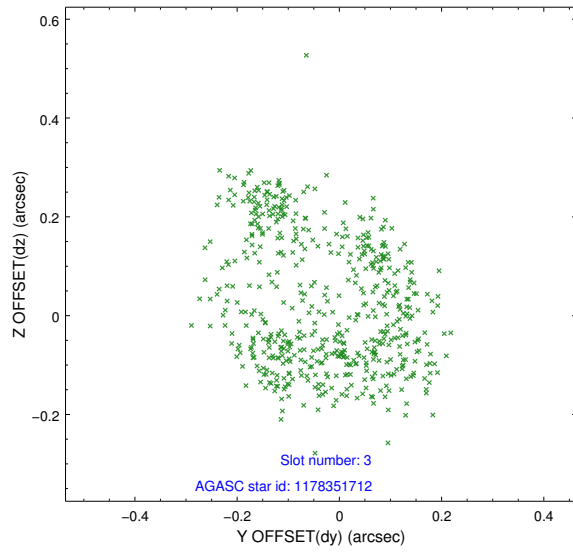
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.22	276	0.065	-0.032	0.006	0.012	0.000000	0.000000	925.17	-840.56
1	FID	ACIS-I-5	7.22	276	-0.215	0.067	0.006	0.009	0.000000	0.000000	-1819.90	1054.13
2	FID	ACIS-I-6	7.23	276	0.060	0.035	0.008	0.011	0.000000	0.000000	384.35	1705.23
3	GUIDE	1178351712	9.23	552	-0.029	0.001	0.189	0.280	201.337114	-61.266995	2054.61	-1805.55
4	GUIDE	1178868872	8.95	551	-0.009	-0.077	0.095	0.141	201.064306	-62.258562	-618.55	597.95
5	GUIDE	1179008976	8.90	552	0.067	0.043	0.083	0.133	202.320416	-62.367284	-2148.48	-894.83
6	GUIDE	1179011088	7.88	547	0.096	0.220	0.075	0.116	201.944854	-62.289654	-1559.90	-547.07
7	GUIDE	1178871784	8.85	548	-0.117	-0.219	0.085	0.143	200.173020	-62.379097	-150.76	2078.20

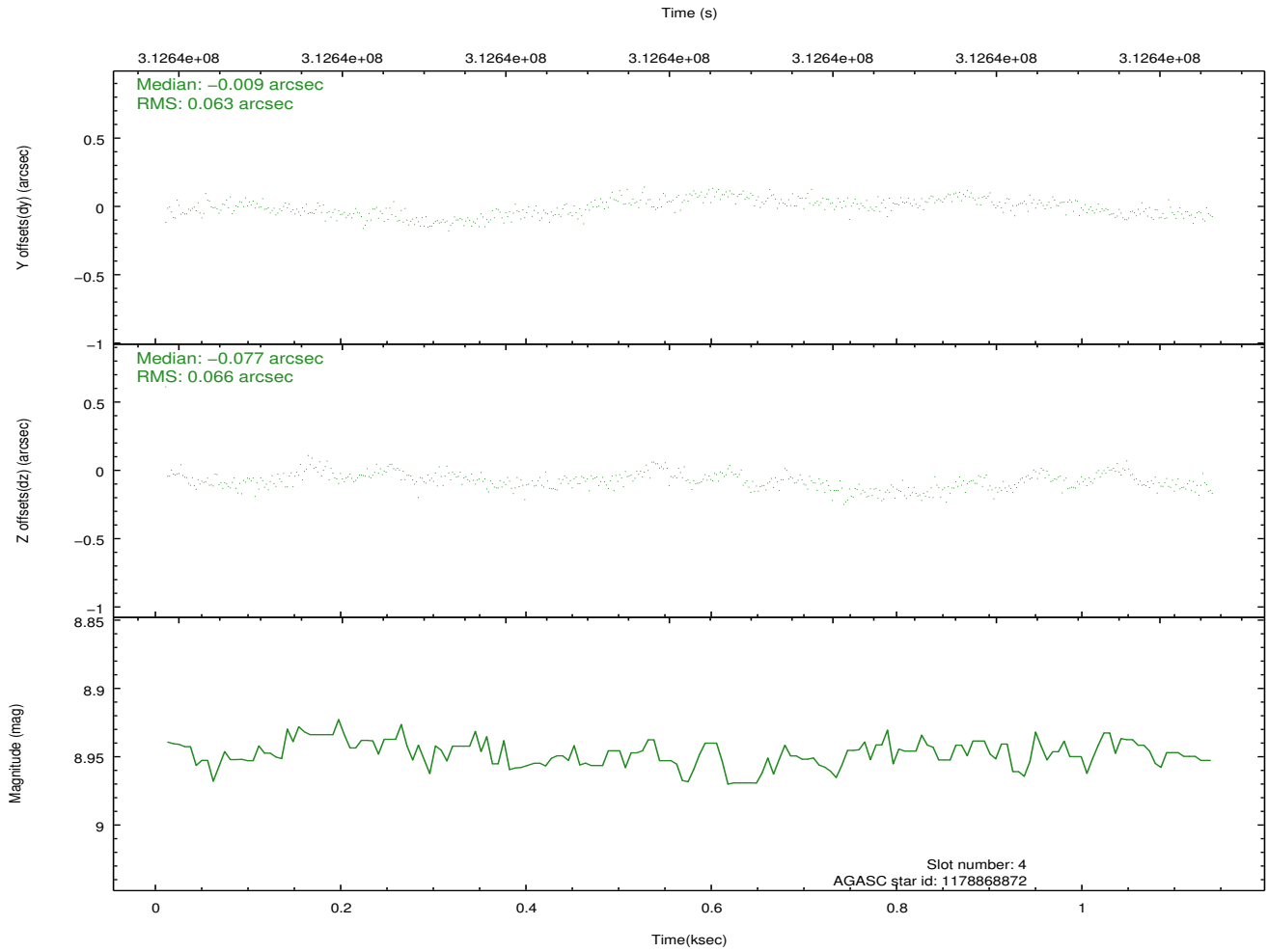
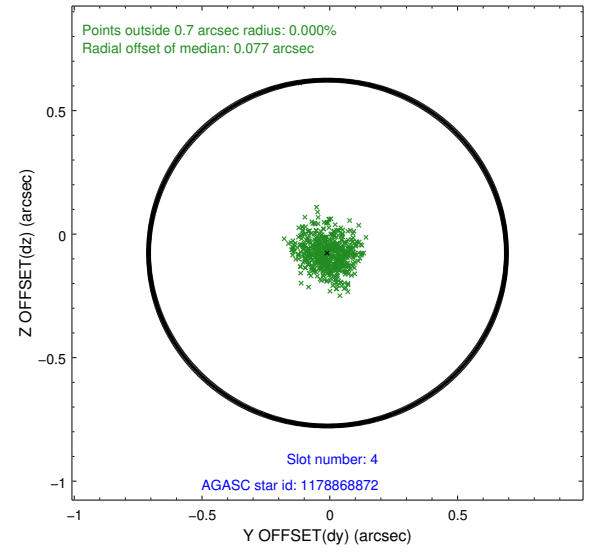
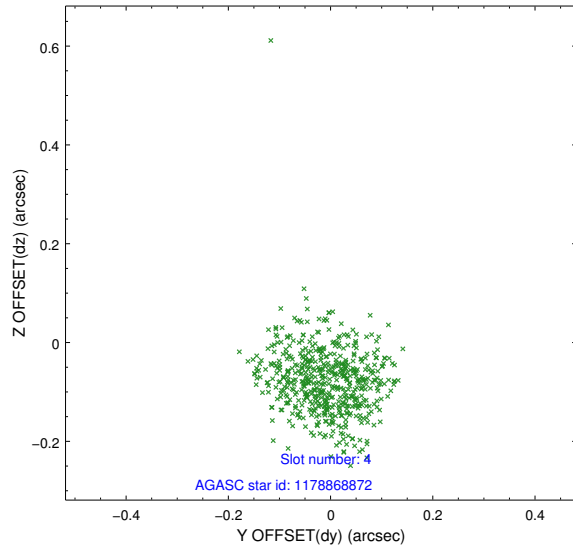


## 2.4 Star Slots

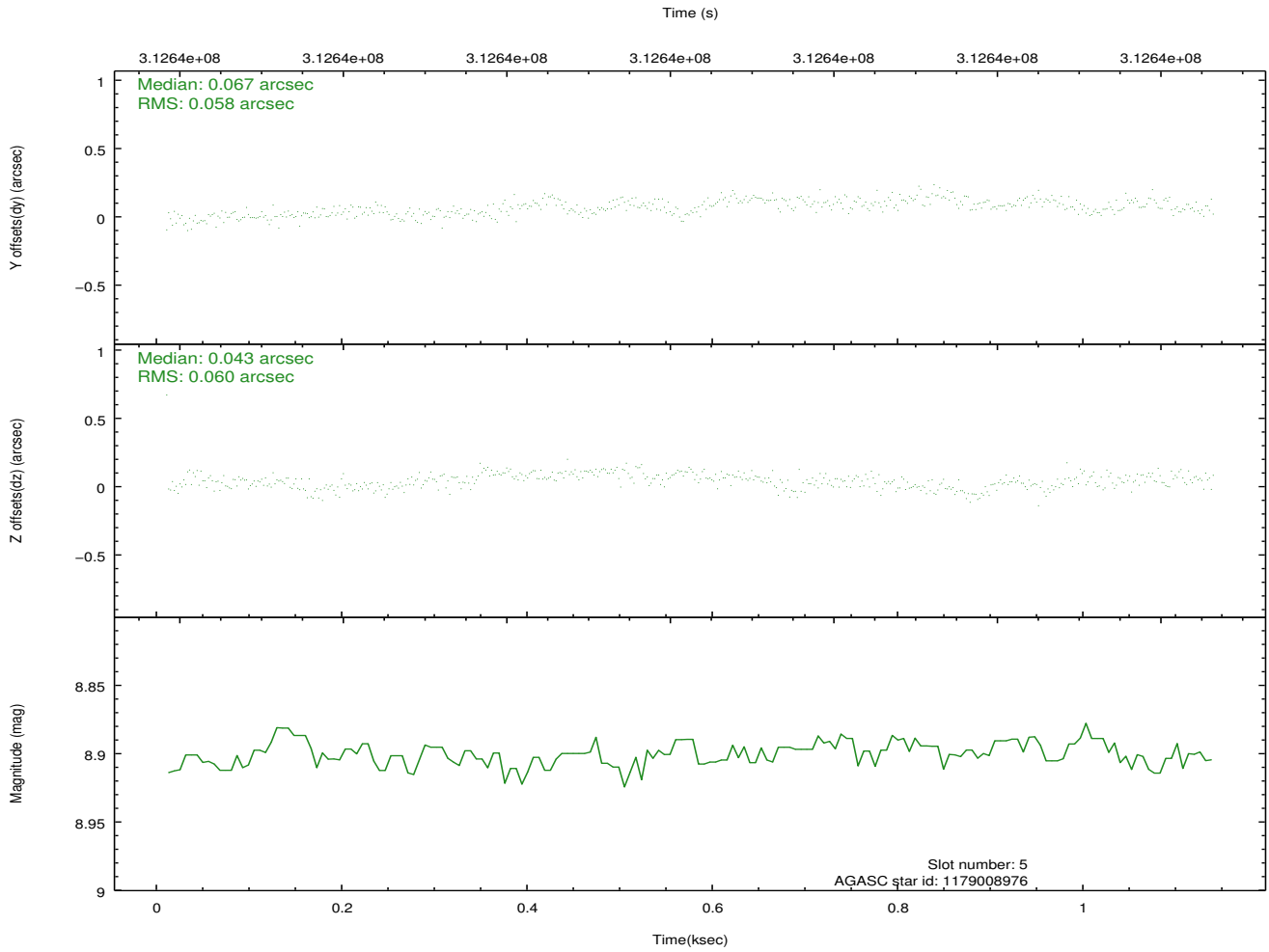
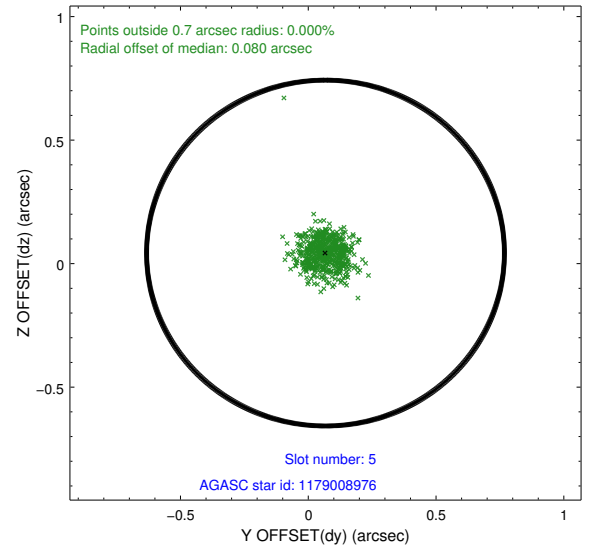
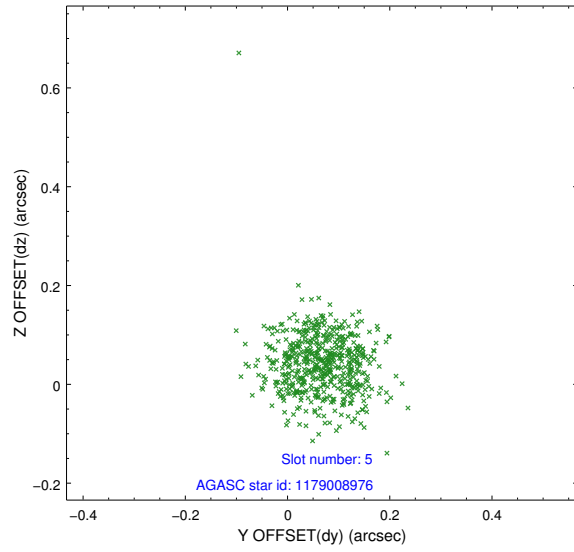
### 2.4.1 Slot 3



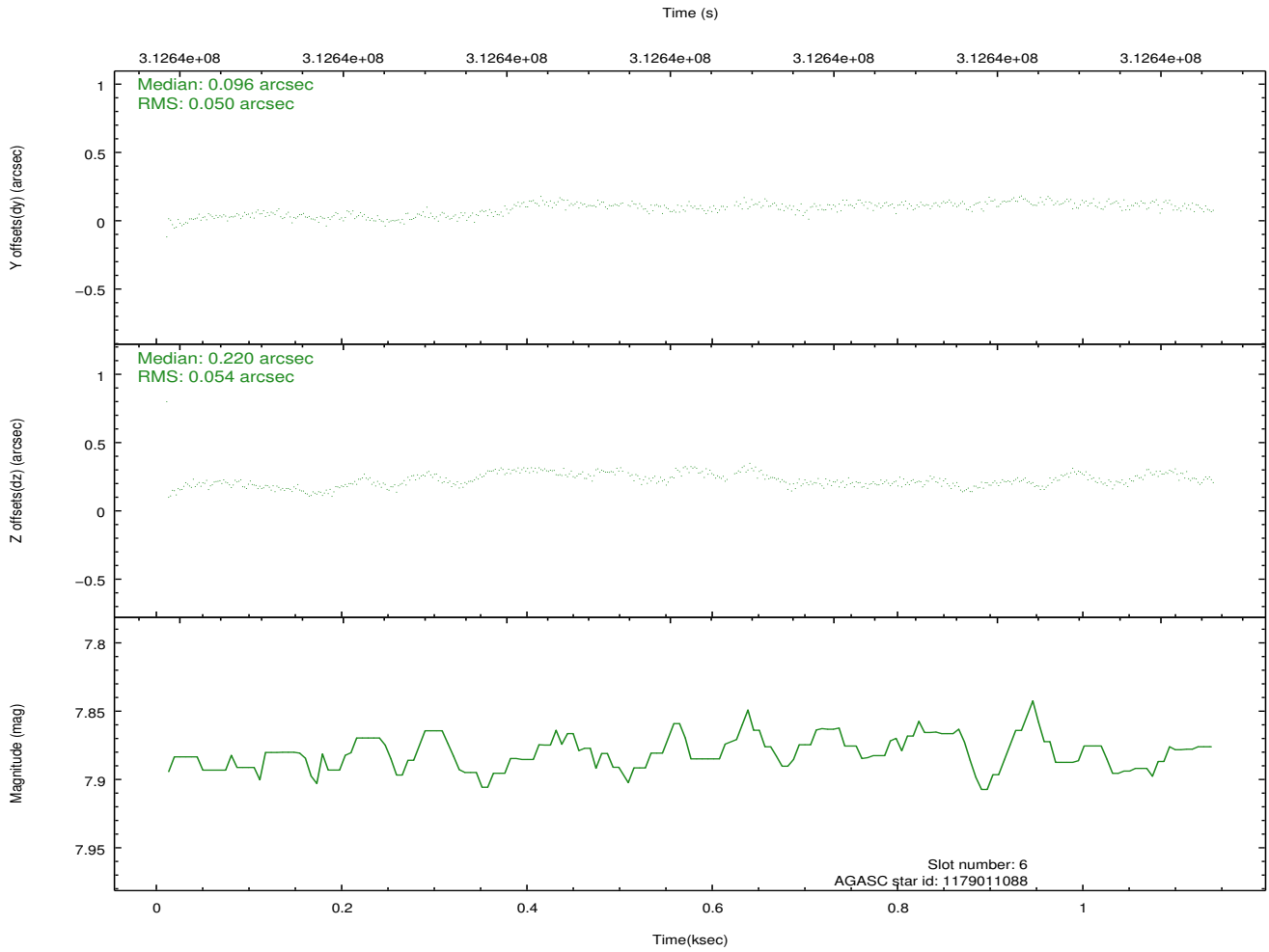
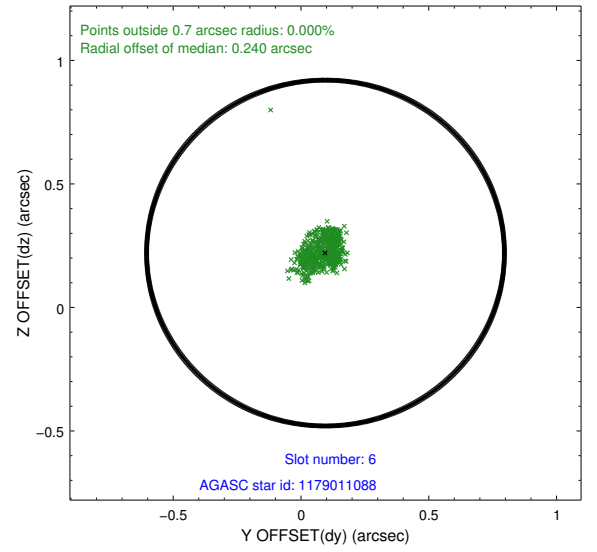
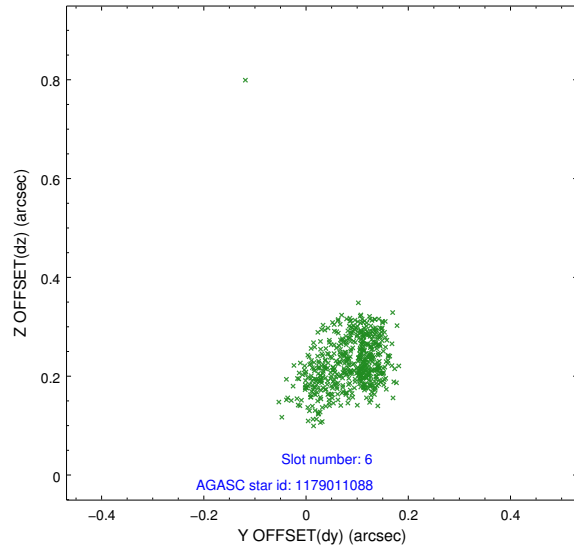
## 2.4.2 Slot 4



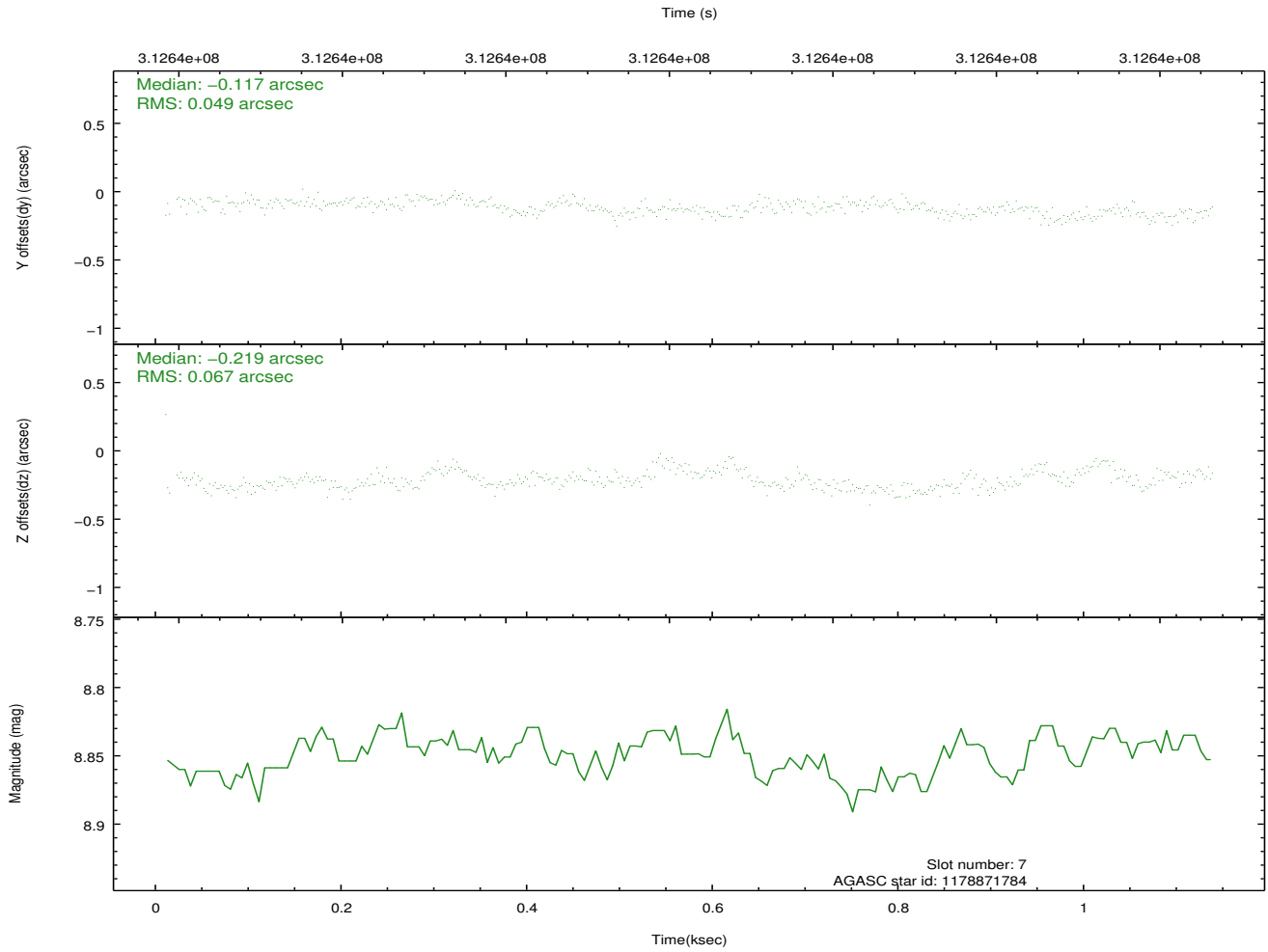
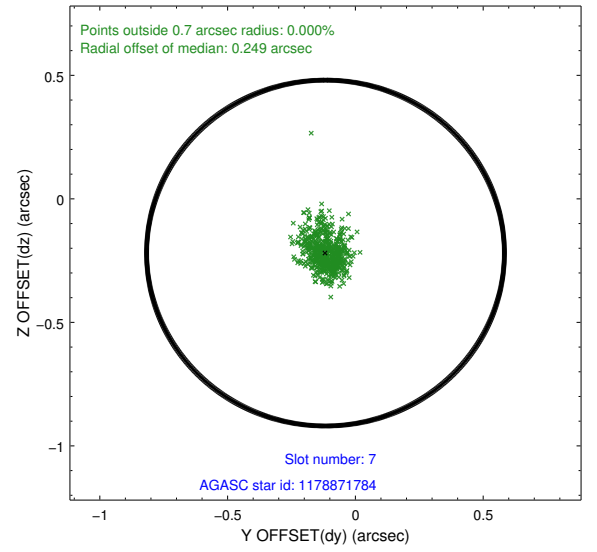
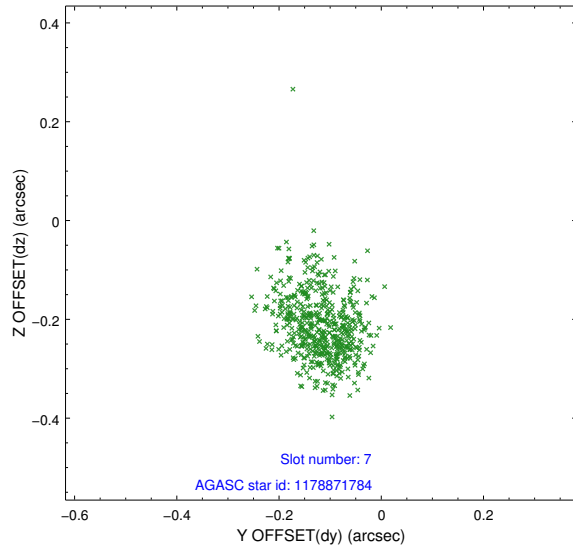
### 2.4.3 Slot 5



## 2.4.4 Slot 6

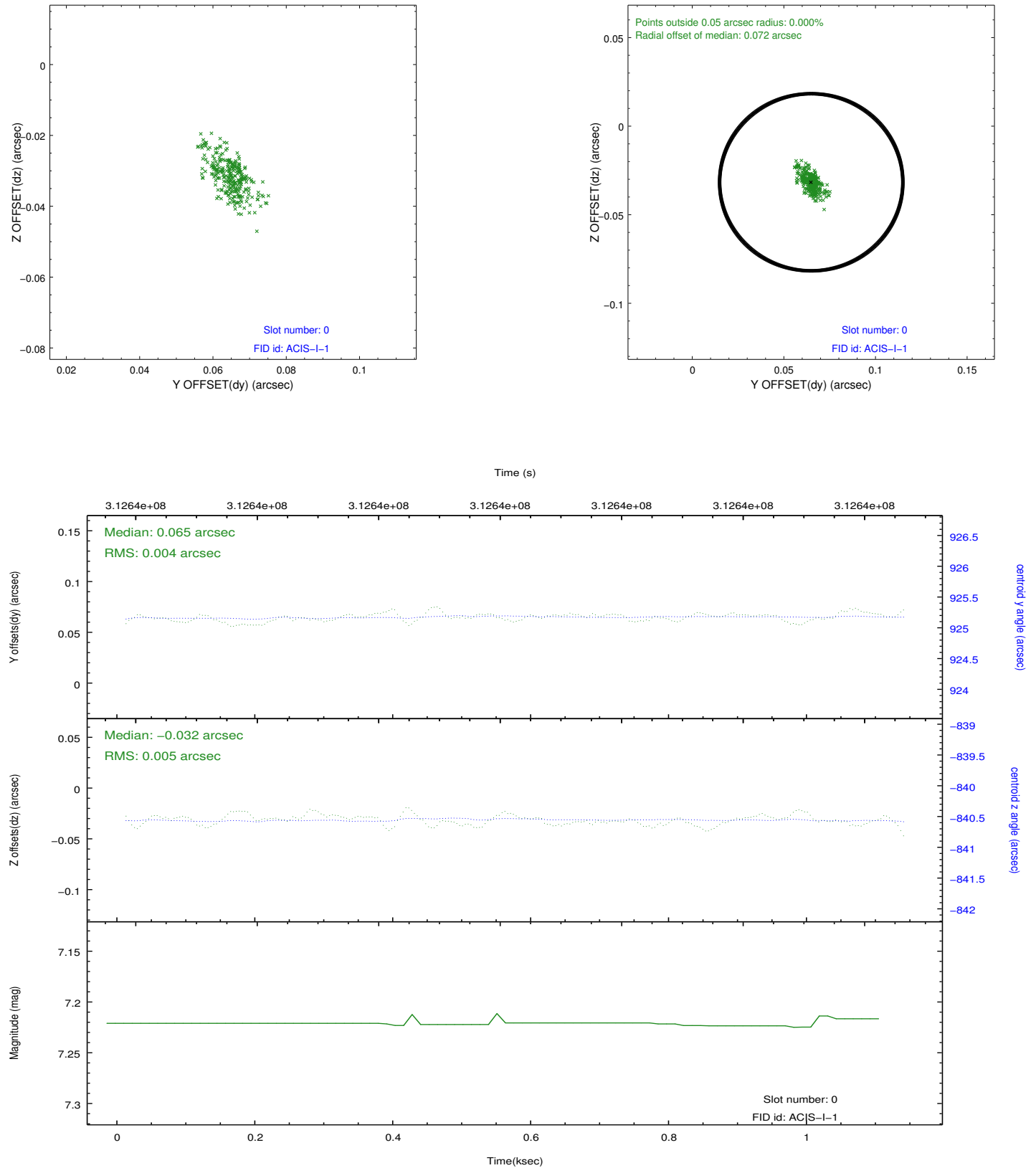


## 2.4.5 Slot 7

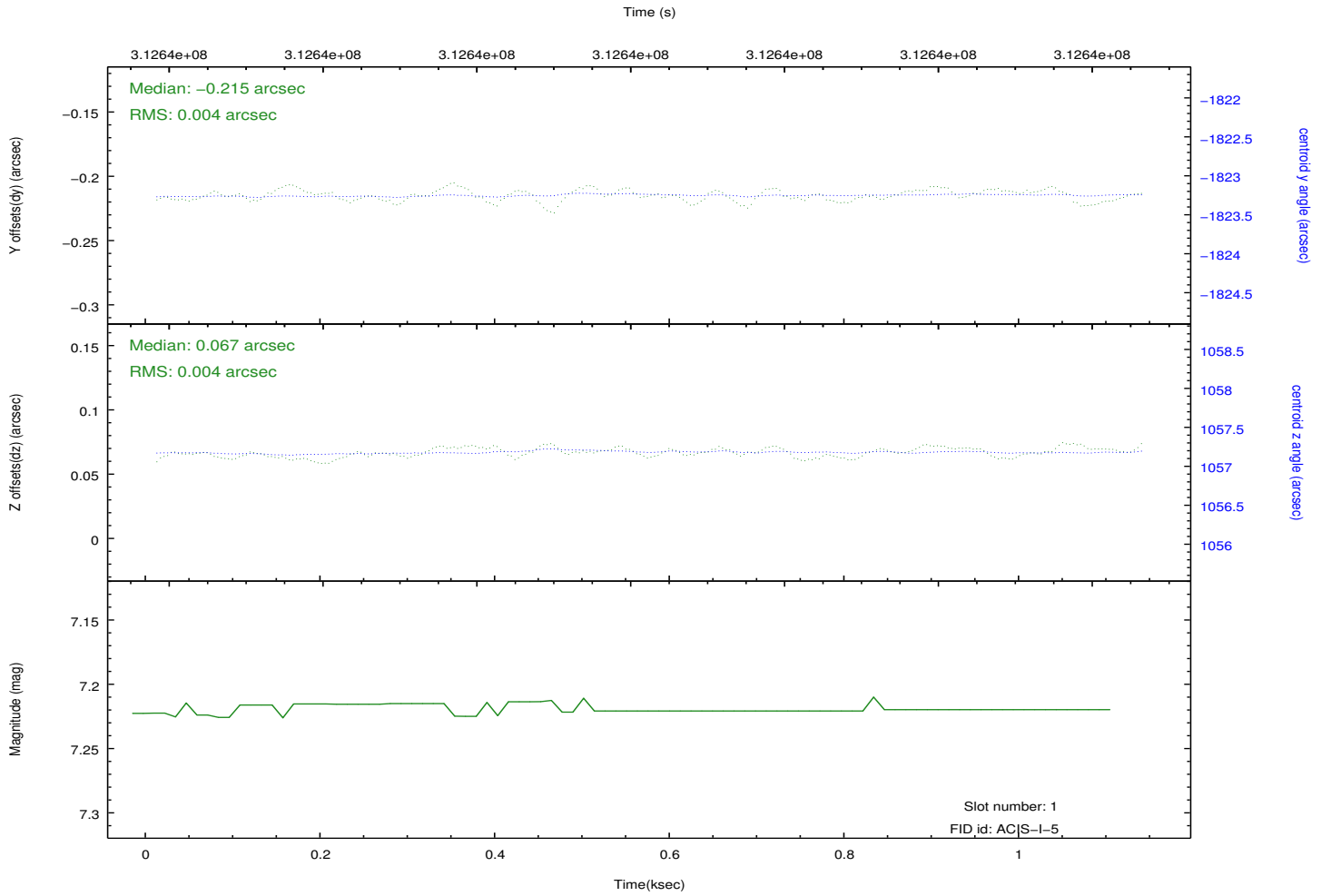
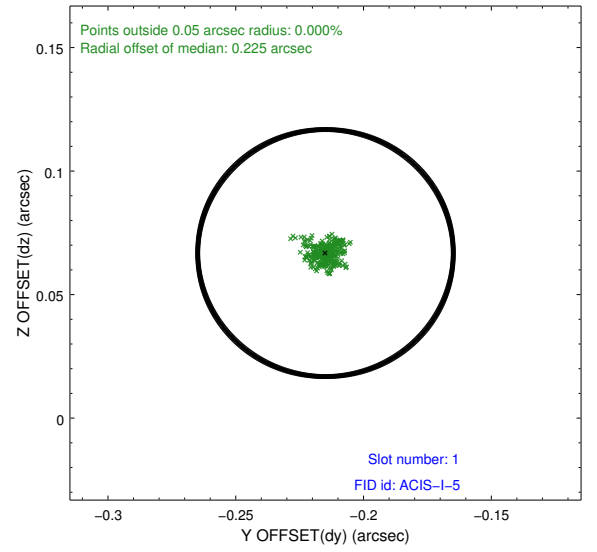
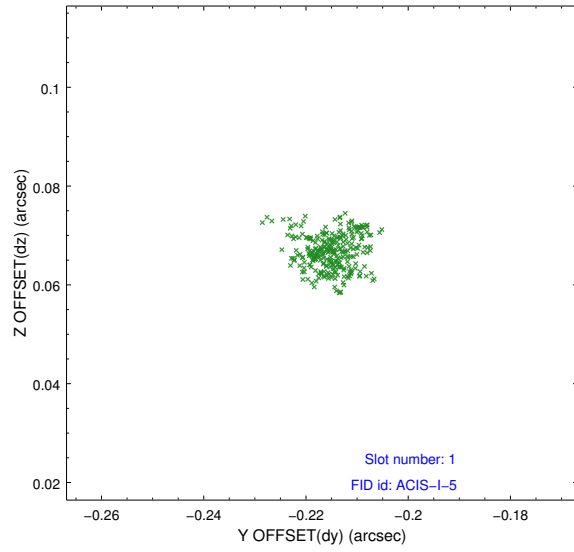


## 2.5 FID Slots

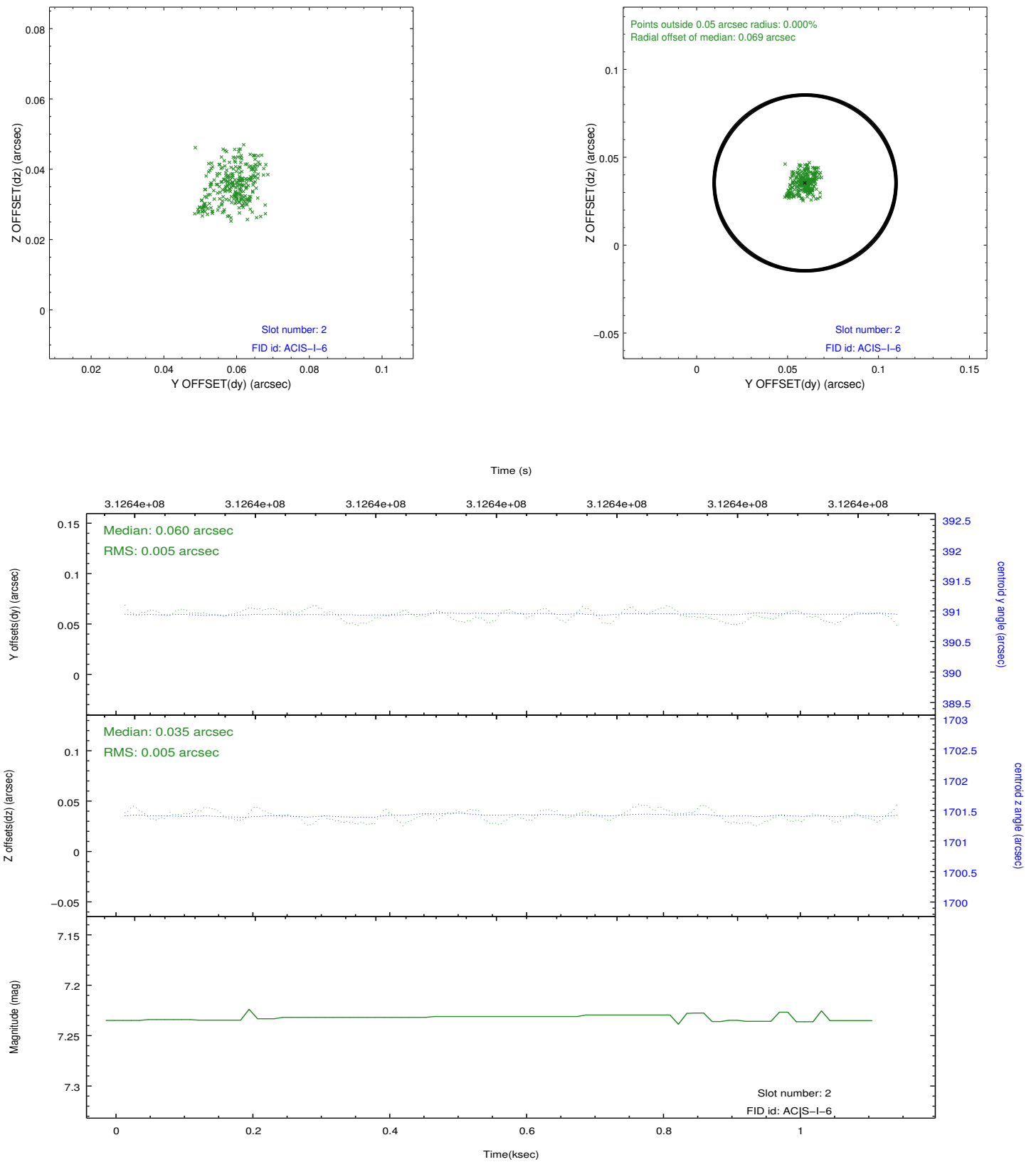
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.12639999

### A.2 Comments

Joint proposal with XMM.