

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9200 - L2 Version 2  
Chandra X-Ray Center

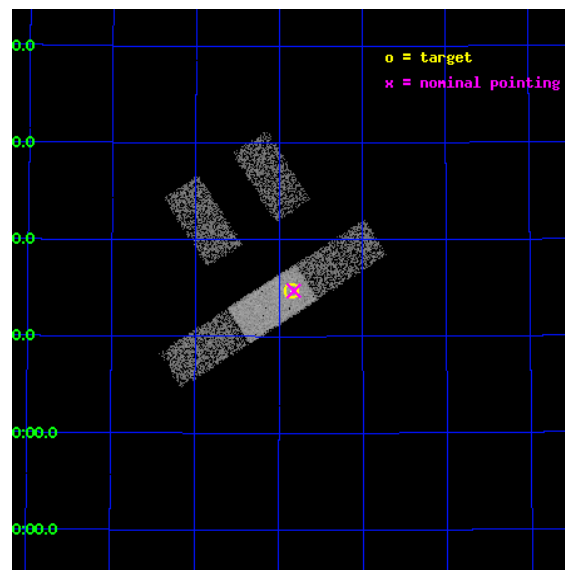
L2 Processing Date : May 12 2012

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# 1 Front

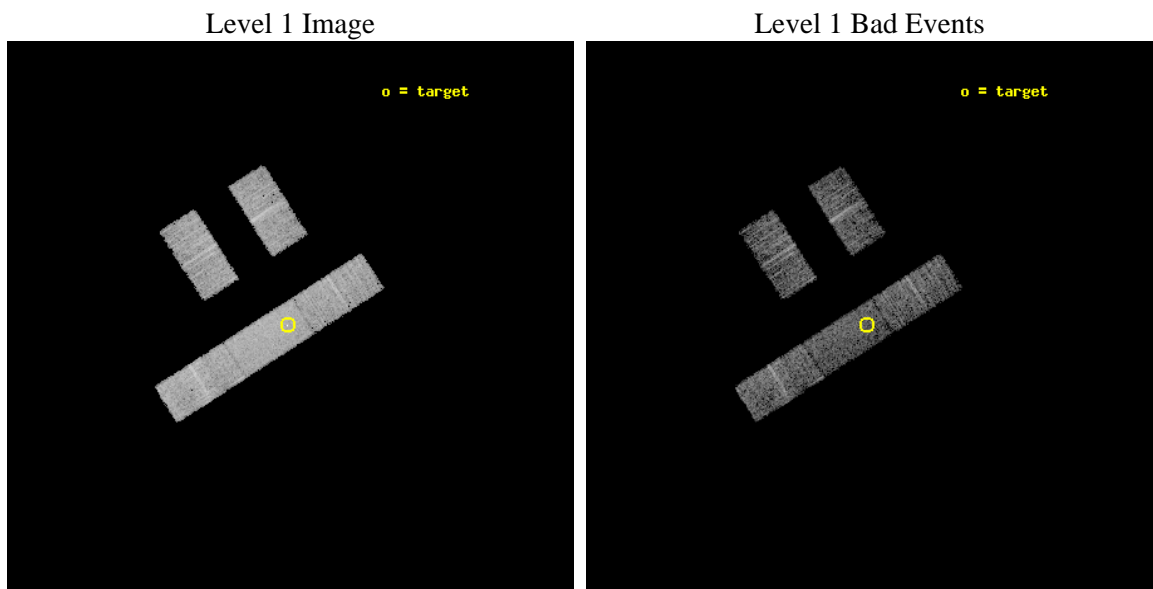
seq_num	701642	Sequence number
obs_id	9200	Observation id
title	Lower Luminosity AGNs at Cosmologically Interesting Redshifts: SEDs and Accretion Rates of $z \sim 0.36$ Seyferts	Proposal title
observer	Dr. Sarah Gallagher	Principal investigator
object	S27	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	234.21375	Observer's specified target RA [deg]
dec_targ	54.245194	Observer's specified target Dec [deg]
ra_nom	234.20546654827	Nominal RA [deg]
dec_nom	54.245379722331	Nominal Dec [deg]
roll_nom	147.3802592648	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3887.8999727964	Sum of GTIs [s]
livetime	3796.2539365861	Livetime [s]
ontime2	3887.8999727964	Sum of GTIs [s]
ontime3	3887.8999727964	Sum of GTIs [s]
ontime6	3887.8999727964	Sum of GTIs [s]
ontime7	3887.8999727964	Sum of GTIs [s]
ontime8	3887.8999727964	Sum of GTIs [s]
l2events	20196	Number of level 2 events



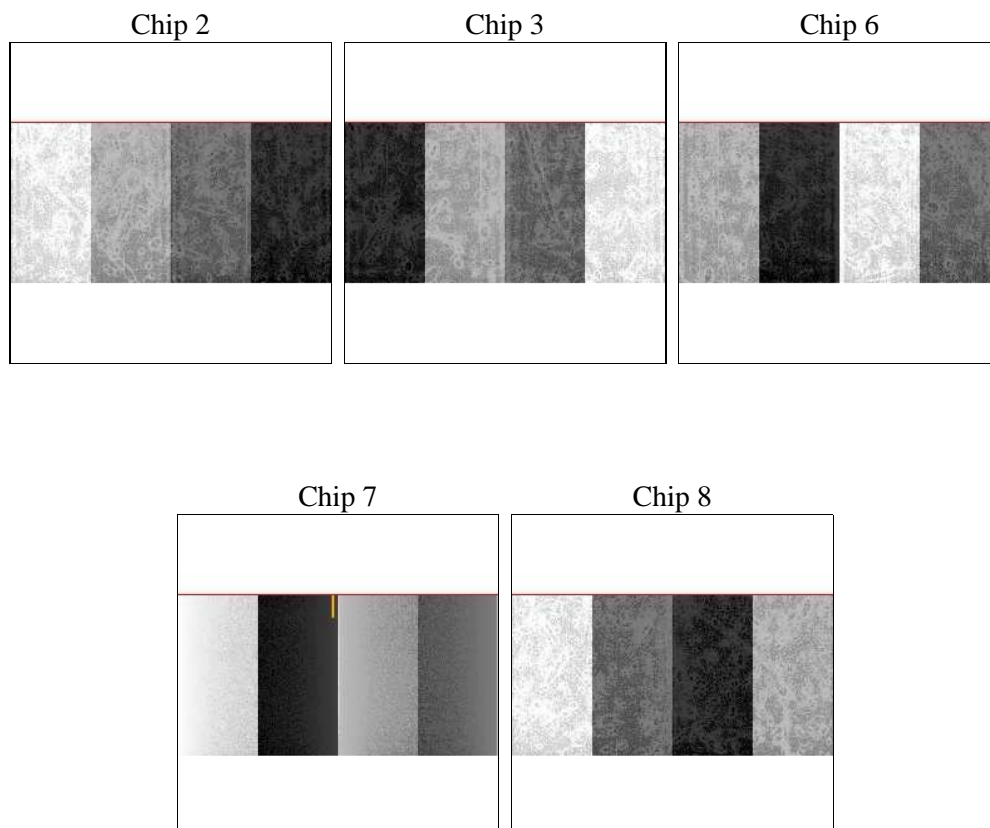
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3700.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3887.8999727964	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	3887.8999727964	Sum of GTIs [s]
date	2012-05-13T00:05:39	Date and time of file creation	ontime3	3887.8999727964	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3887.8999727964	Sum of GTIs [s]
			ontime7	3887.8999727964	Sum of GTIs [s]
			ontime8	3887.8999727964	Sum of GTIs [s]
			l1events	127797	Number of level 1 events

### 2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	21306	22827	23384	30570	29710
rejected events	18974	20424	20856	18642	24226
rejected %	89%	89%	89%	60%	81%

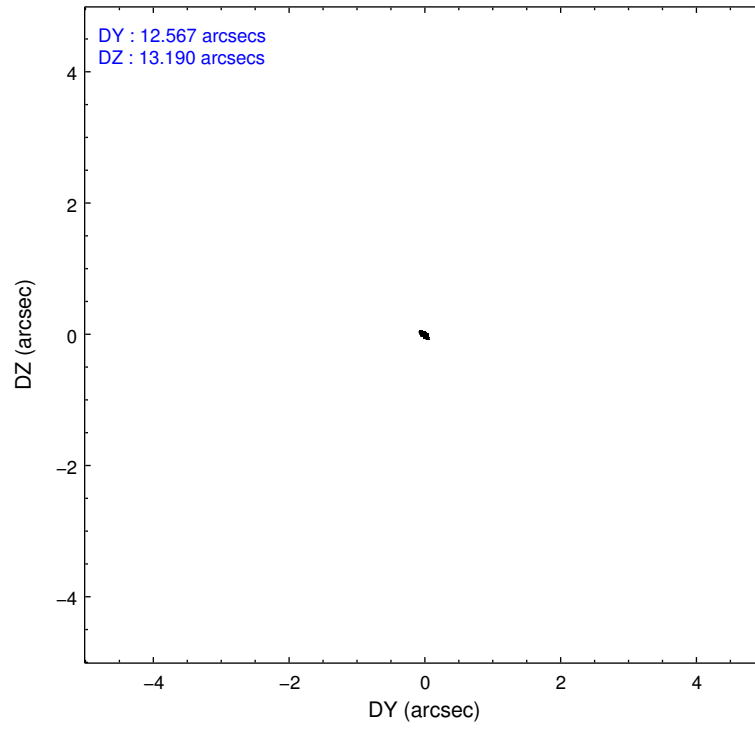
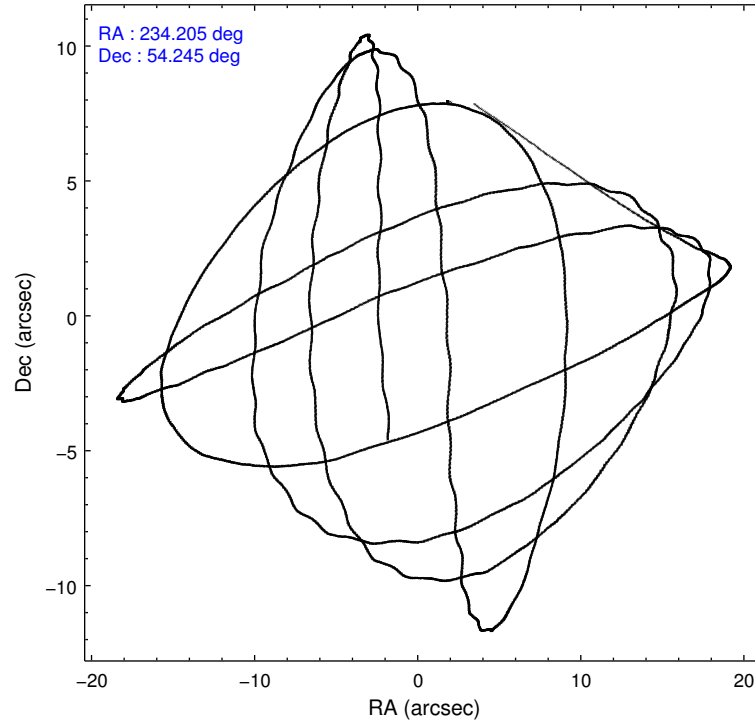
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1070	1112	1022	1278	1916
	5%	4%	4%	4%	6%
grade 1 events	12	14	5	38	12
	0%	0%	0%	0%	0%
grade 2 events	484	520	620	2762	1398
	2%	2%	2%	9%	4%
grade 3 events	279	272	290	1252	636
	1%	1%	1%	4%	2%
grade 4 events	318	296	343	1255	566
	1%	1%	1%	4%	1%
grade 5 events	800	1001	1027	2891	1394
	3%	4%	4%	9%	4%
grade 6 events	457	475	553	6740	1695
	2%	2%	2%	22%	5%
grade 7 events	17886	19137	19524	14354	22093
	83%	83%	83%	46%	74%

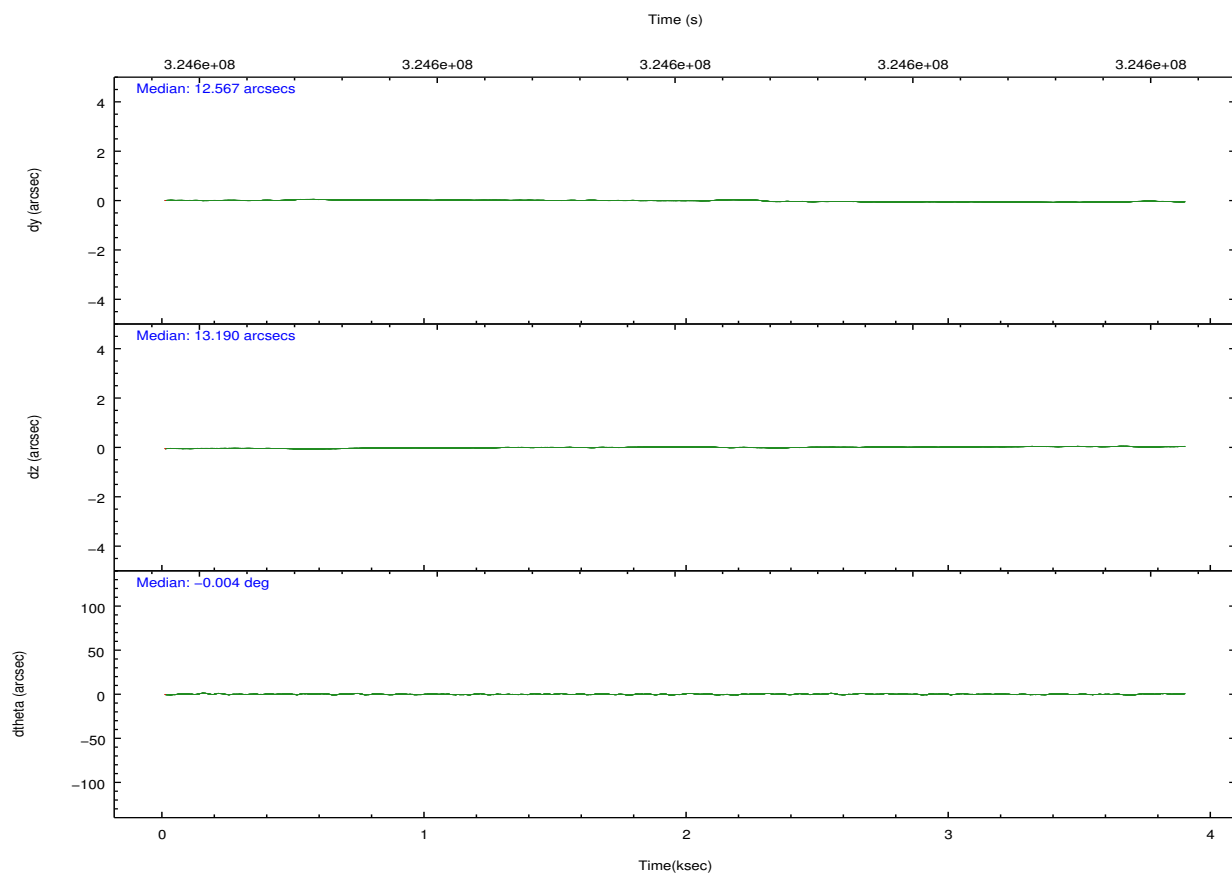
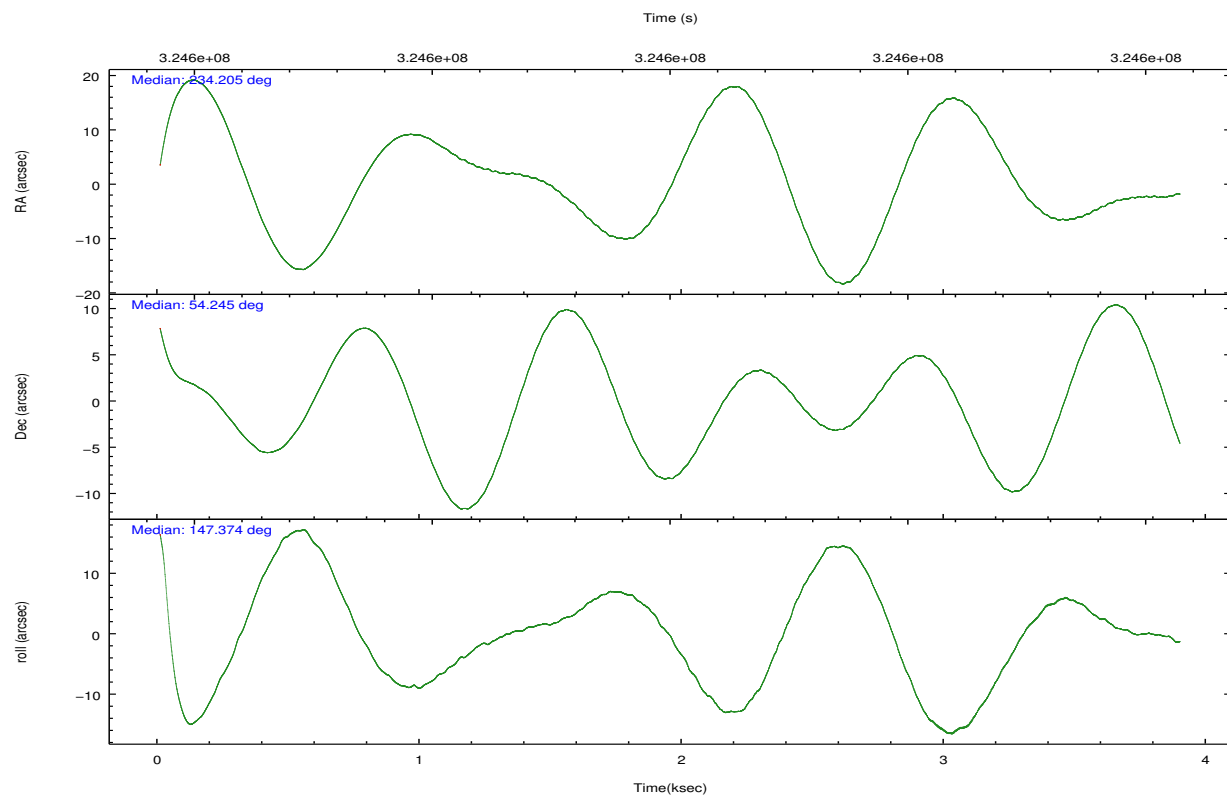


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	234.252219	234.2054665482692	CCD I2 on	O1	Y
[deg] Pointing Dec	54.244384	54.24537972233123	CCD I3 on	Y	Y
[deg] Pointing Roll	147.185619	147.380259264804	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	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	Y	Y
[s] Observation start time (MET)	324598251.184000	324597214.31807	CCD S5 on	N	N
Observation start date	2008-04-14T22:09:46	2008-04-14T21:53:34	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	324601951.184000	324602427.46832	On-chip summing requested	N	N
Observation end date	2008-04-14T23:11:26	2008-04-14T23:20:27	Subarray requested	CUSTOM	1/2
Read mode	TIMED	TIMED	Subarray start row	257	257
			Subarray row count	512	512
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	1.7

## 2.3 Aspect



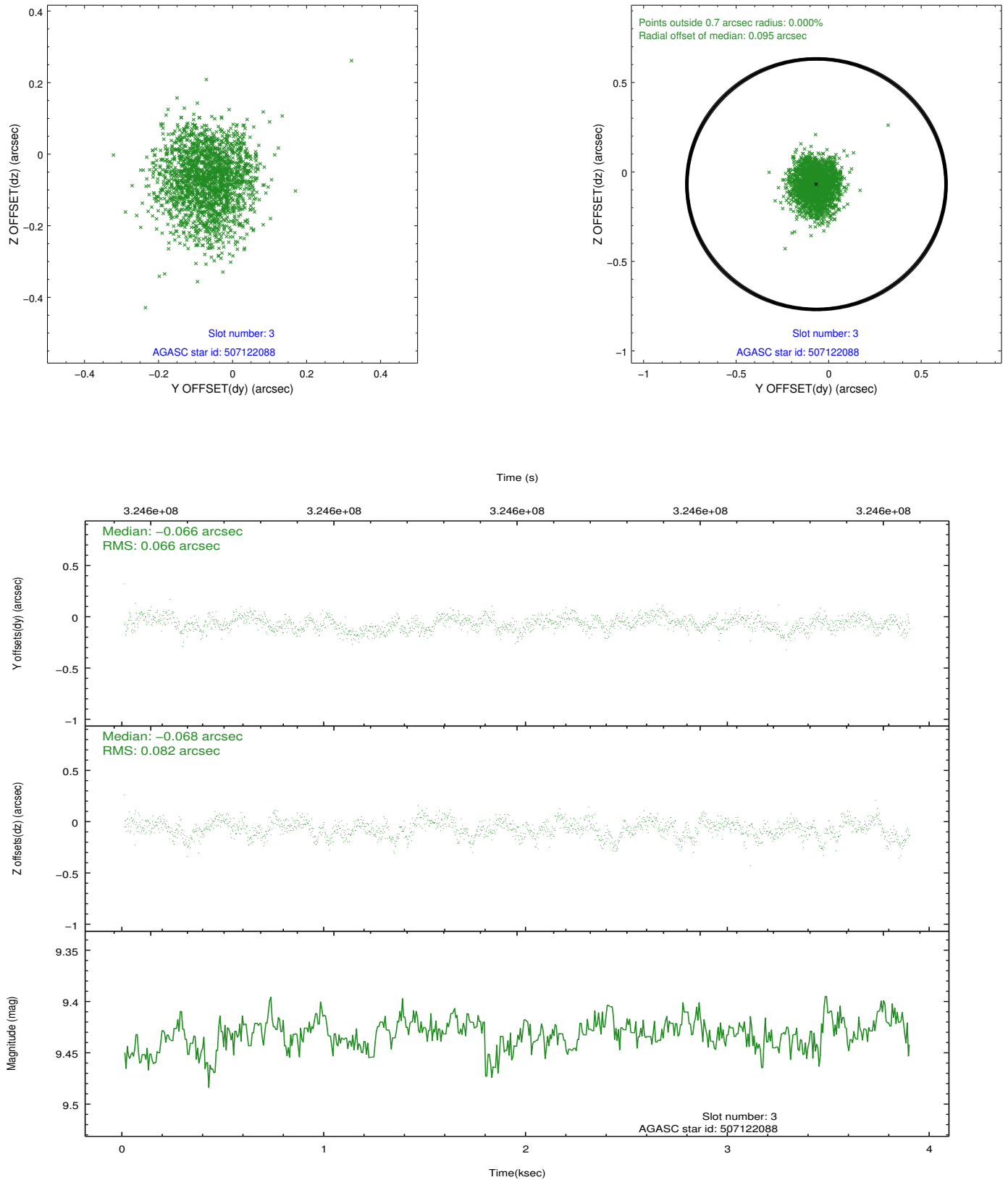


### Slot Statistics

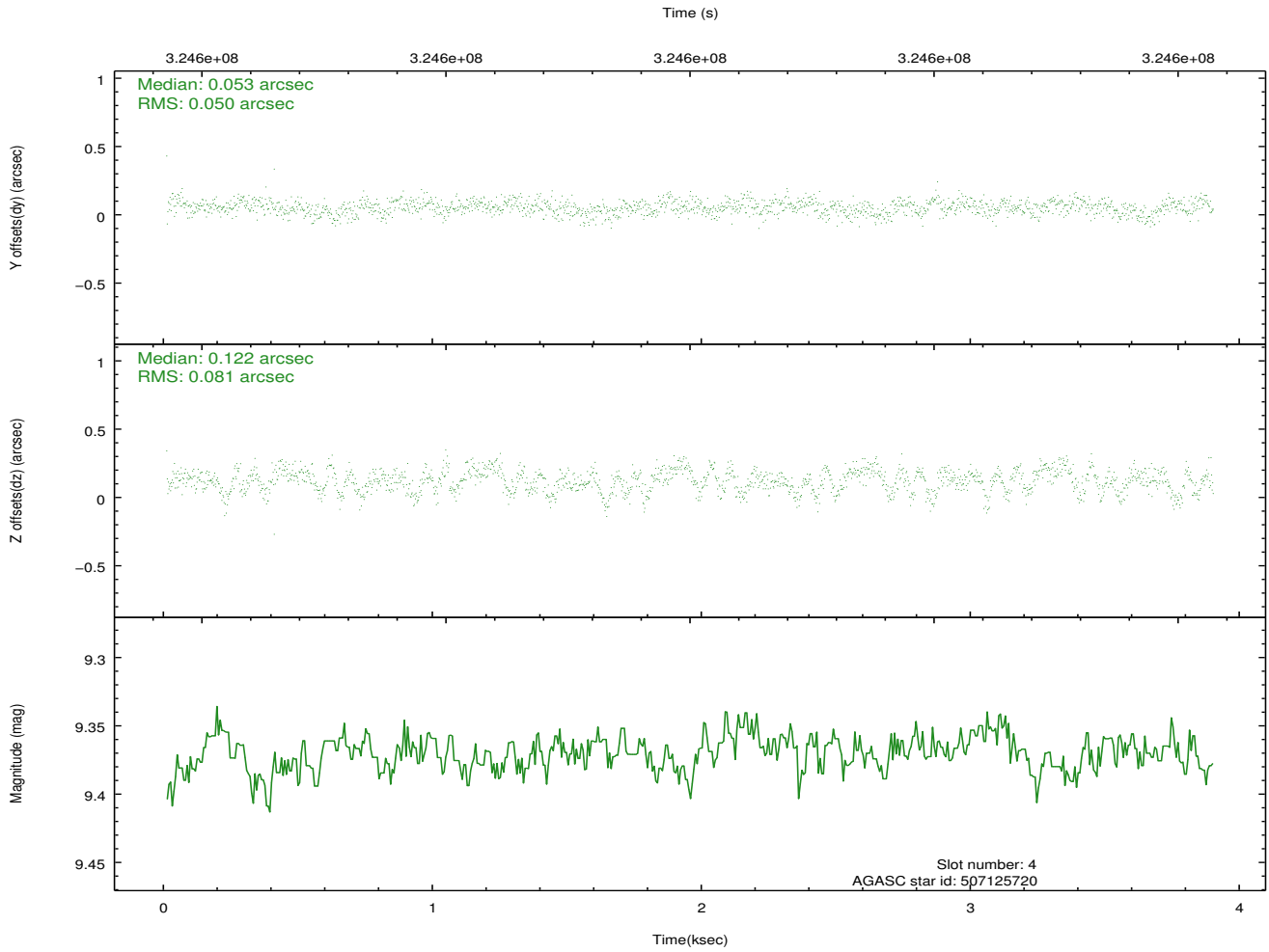
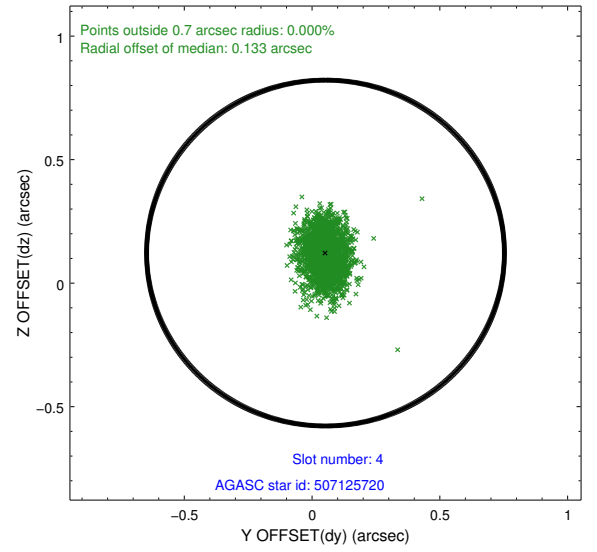
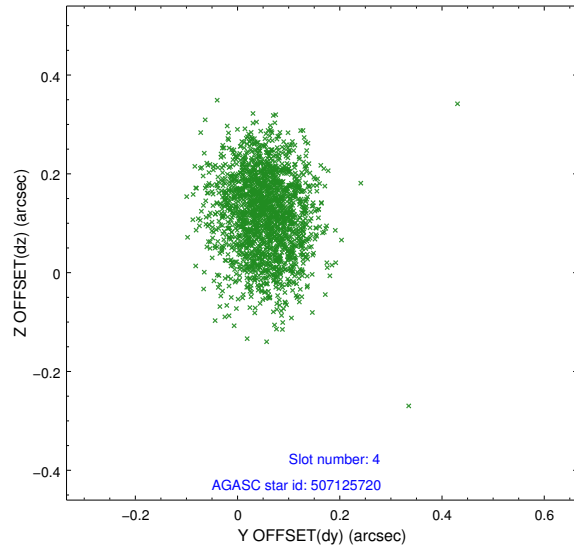
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.01	950	0.062	-0.014	0.006	0.010	0.000000	0.000000	930.61	-1730.12
1	FID	ACIS-S-4	7.00	950	0.049	-0.016	0.006	0.010	0.000000	0.000000	2148.92	172.36
2	FID	ACIS-S-5	7.04	950	-0.137	0.042	0.006	0.011	0.000000	0.000000	-1816.37	167.88
3	GUIDE	507122088	9.43	1895	-0.066	-0.068	0.113	0.177	233.549560	53.883276	552.27	1895.08
4	GUIDE	507125720	9.37	1896	0.053	0.122	0.100	0.164	235.164075	54.546564	-1003.30	-1955.05
5	GUIDE	507129632	9.65	1897	-0.039	0.043	0.122	0.196	234.475684	53.826391	-1214.84	1006.13
6	GUIDE	507130232	6.23	1899	0.058	-0.023	0.075	0.118	233.987670	54.630545	1216.94	-869.10
7	GUIDE	507122016	9.54	1897	-0.006	-0.074	0.111	0.176	233.130602	53.906794	1351.36	2294.77

## 2.4 Star Slots

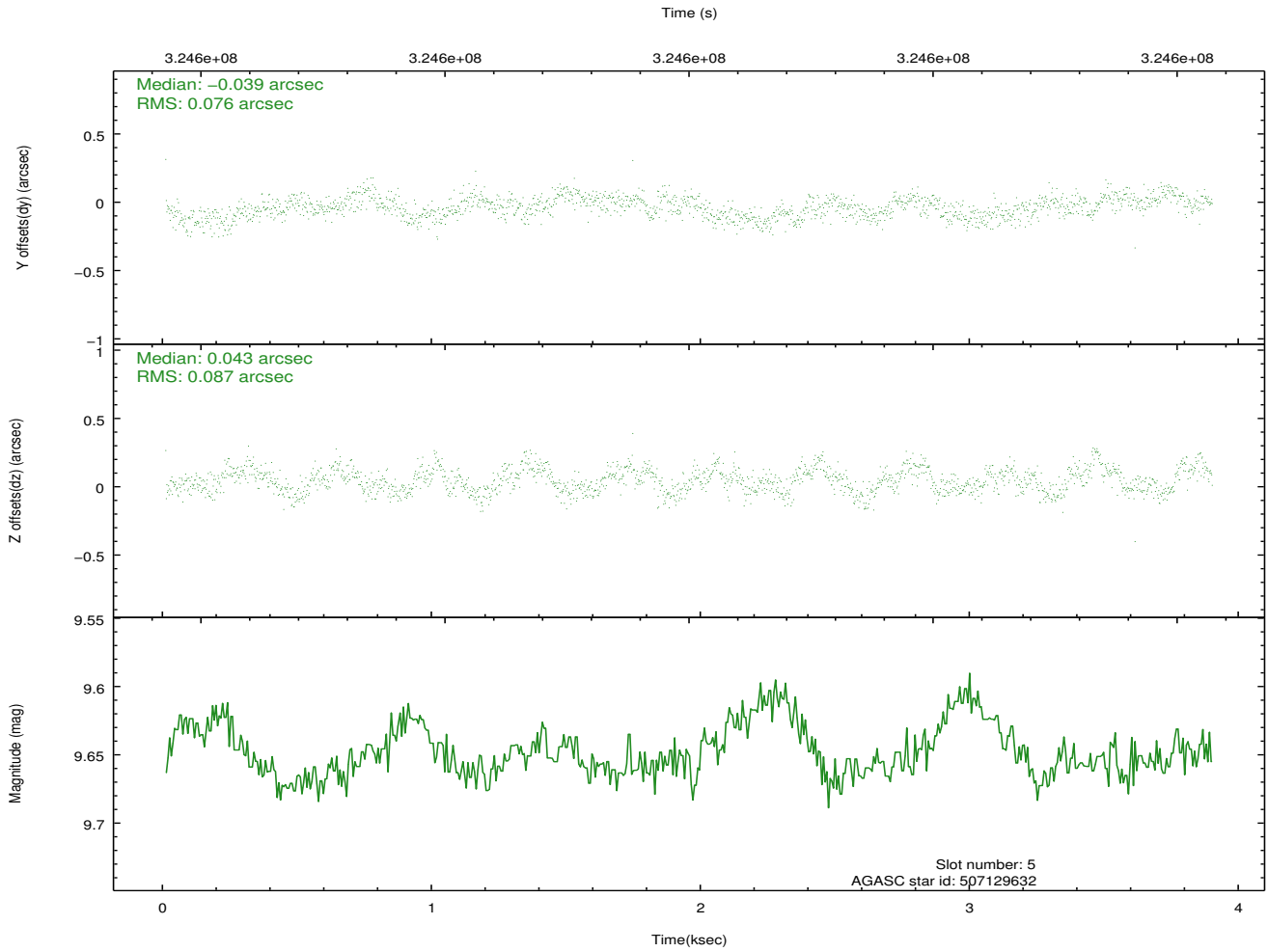
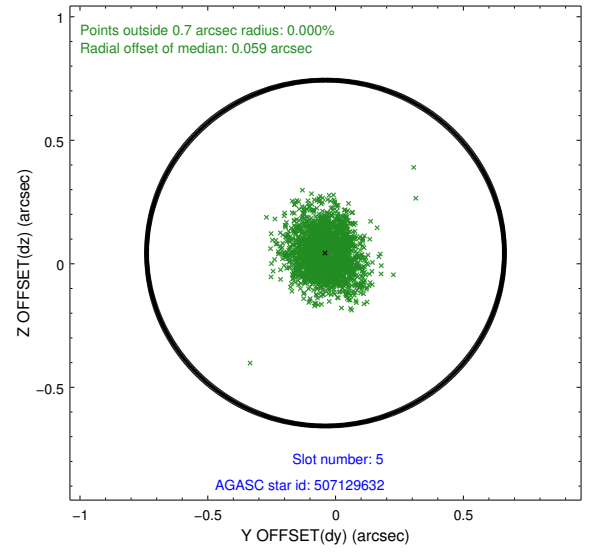
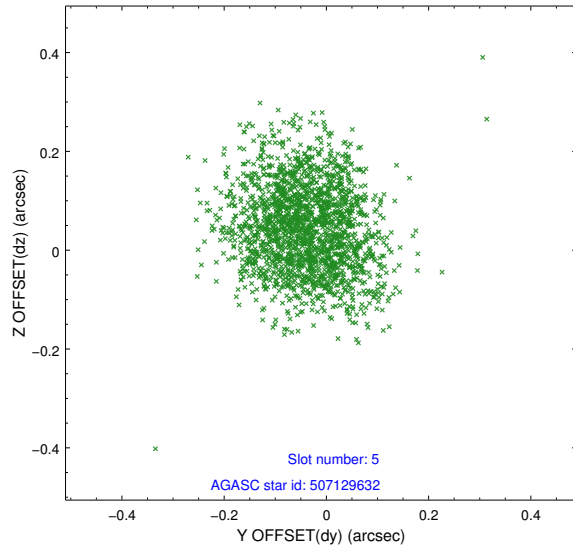
### 2.4.1 Slot 3



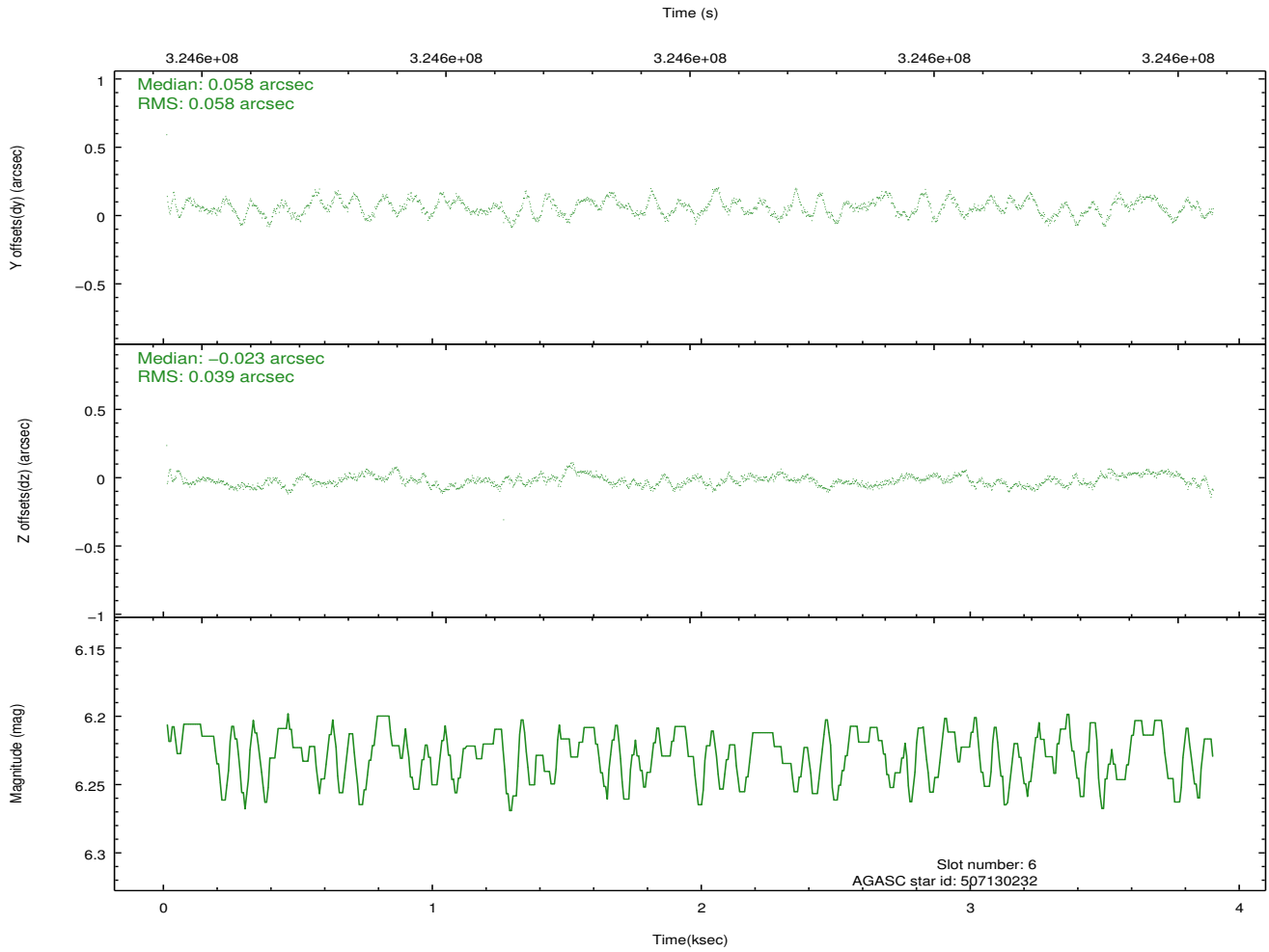
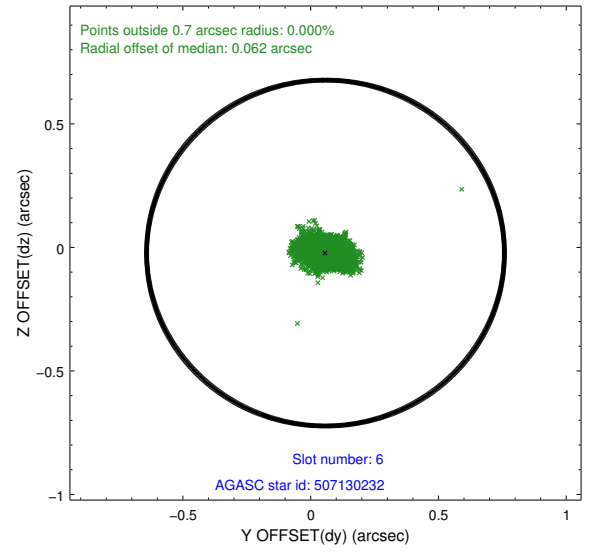
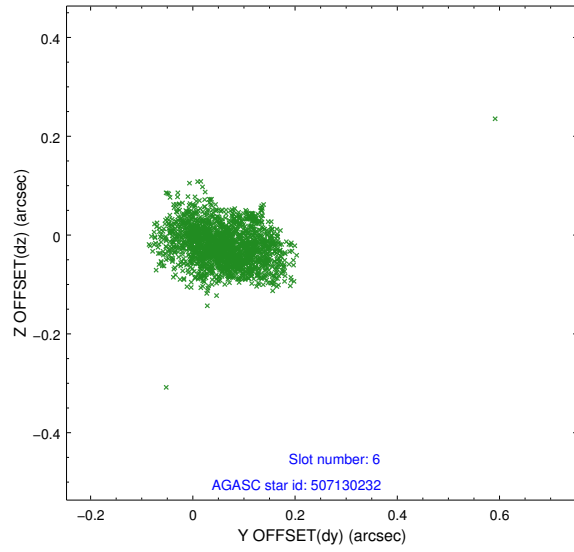
## 2.4.2 Slot 4



### 2.4.3 Slot 5

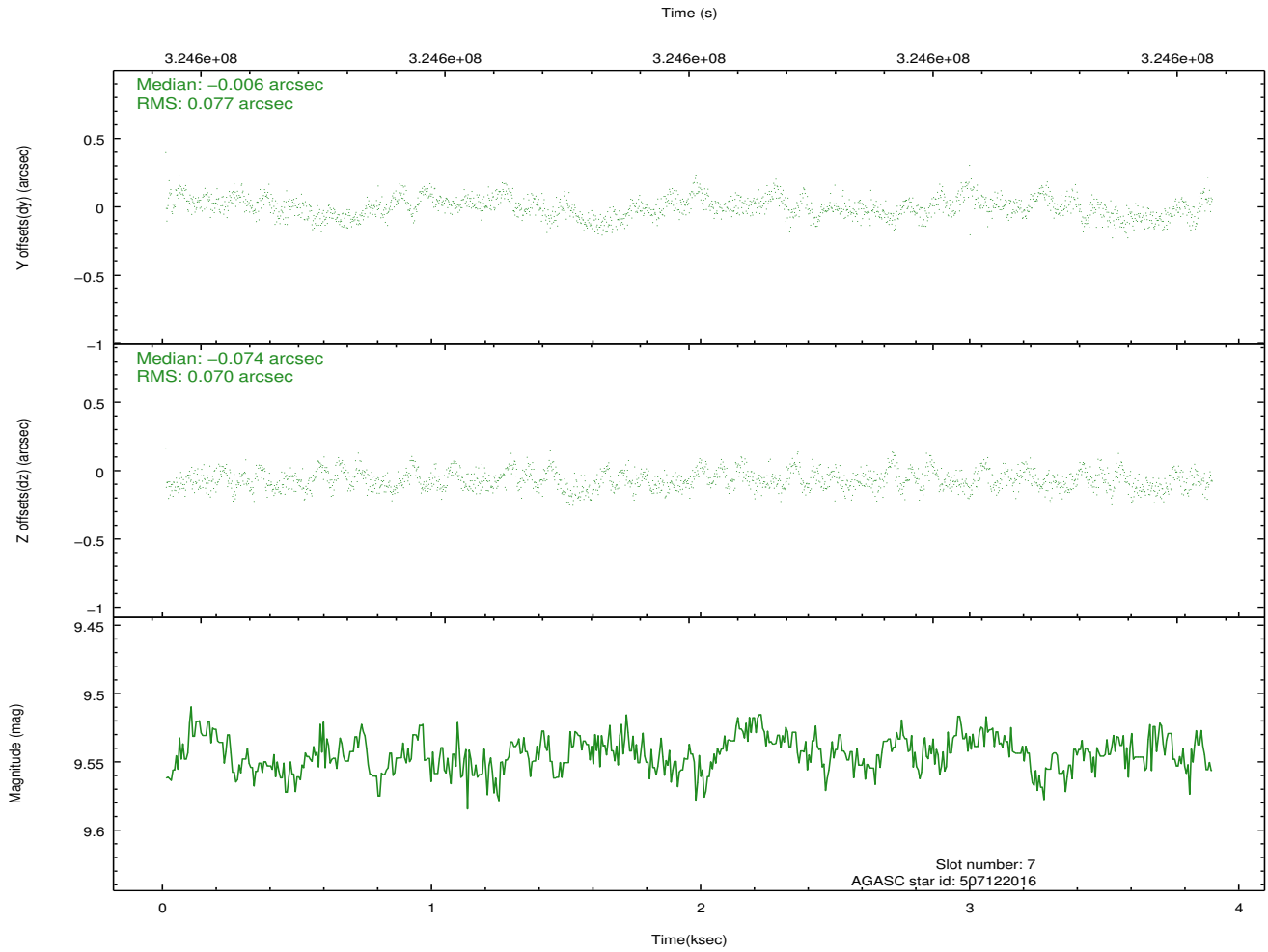
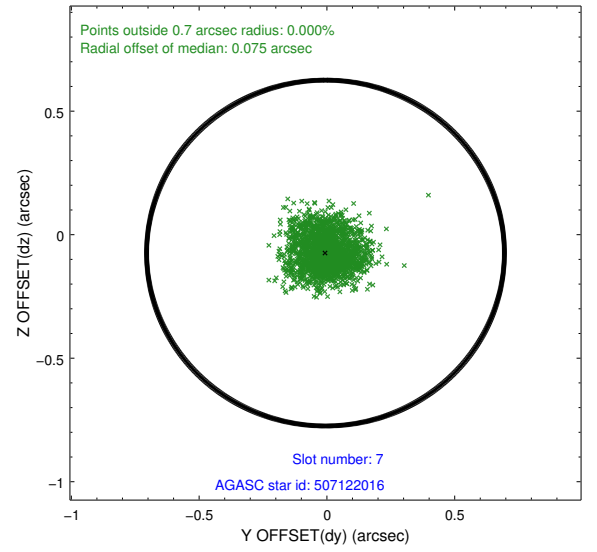
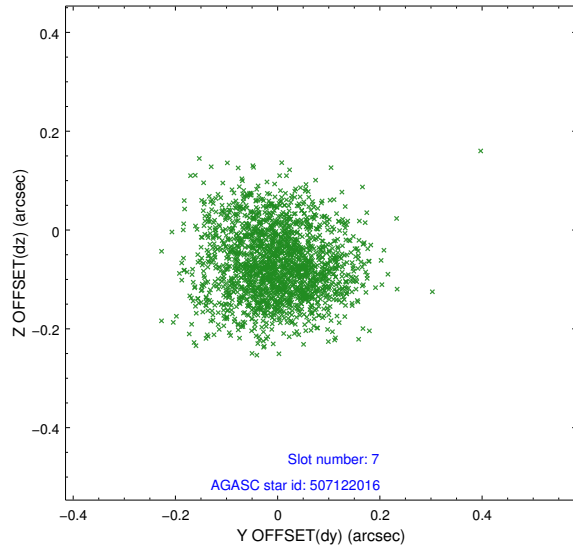


## 2.4.4 Slot 6



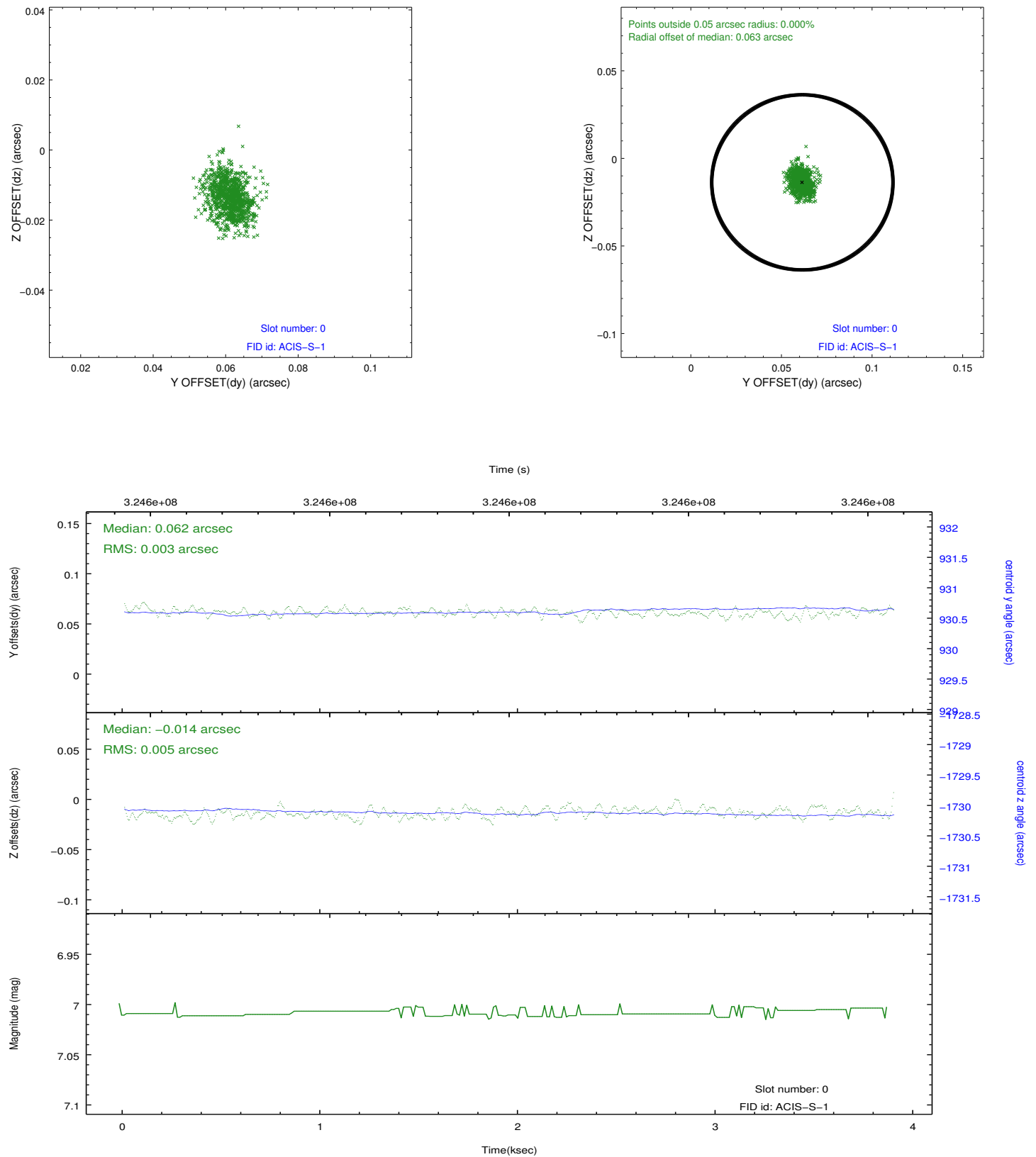


## 2.4.5 Slot 7

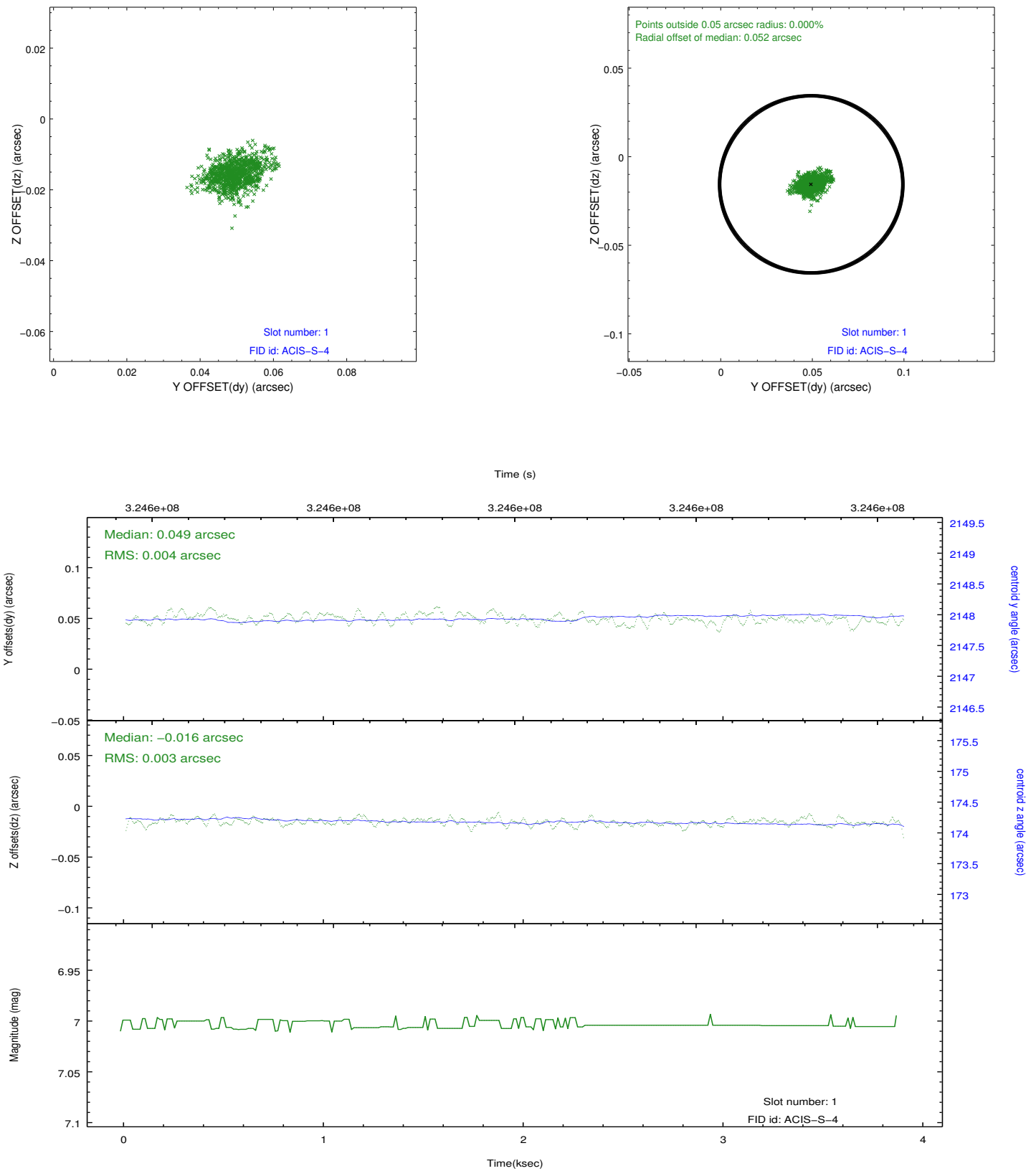


## 2.5 FID Slots

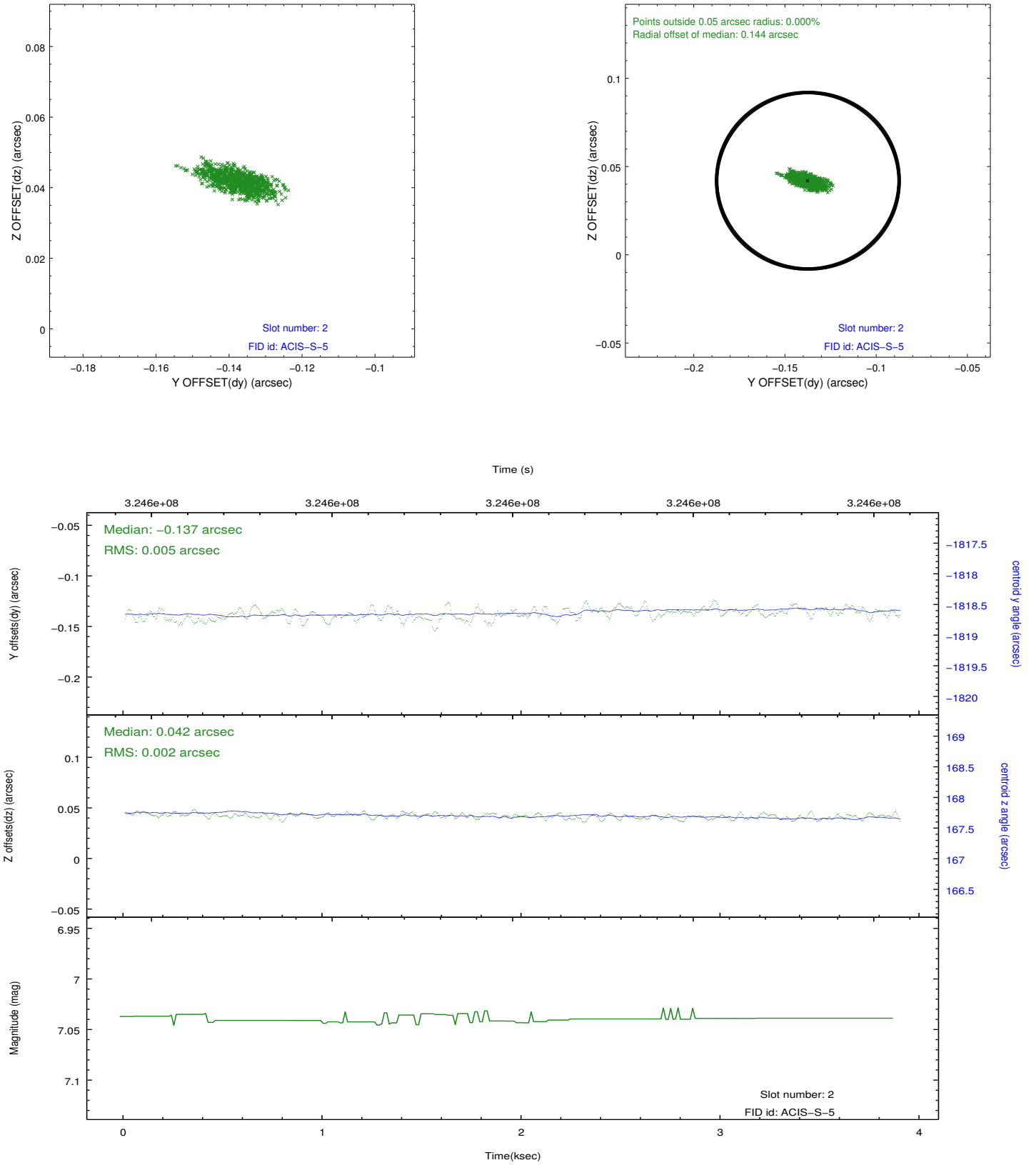
### 2.5.1 Slot 0



## 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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.88789997

## A.2 Comments

Joint proposal with HST and Spitzer.