

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11701 - L2 Version 2  
Chandra X-Ray Center

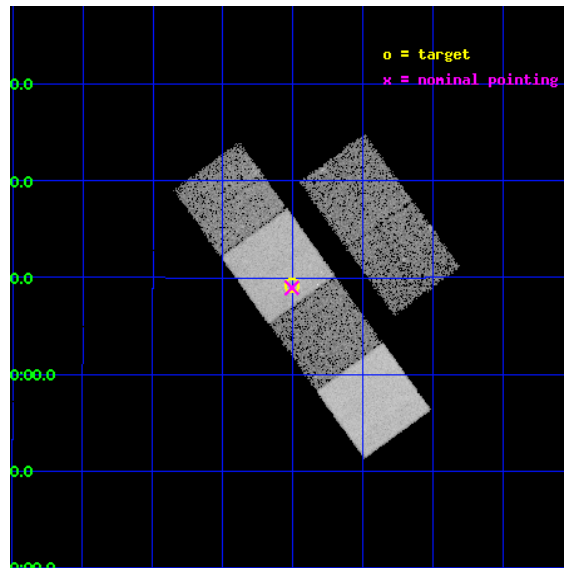
L2 Processing Date : Jun 13 2012

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# 1 Front

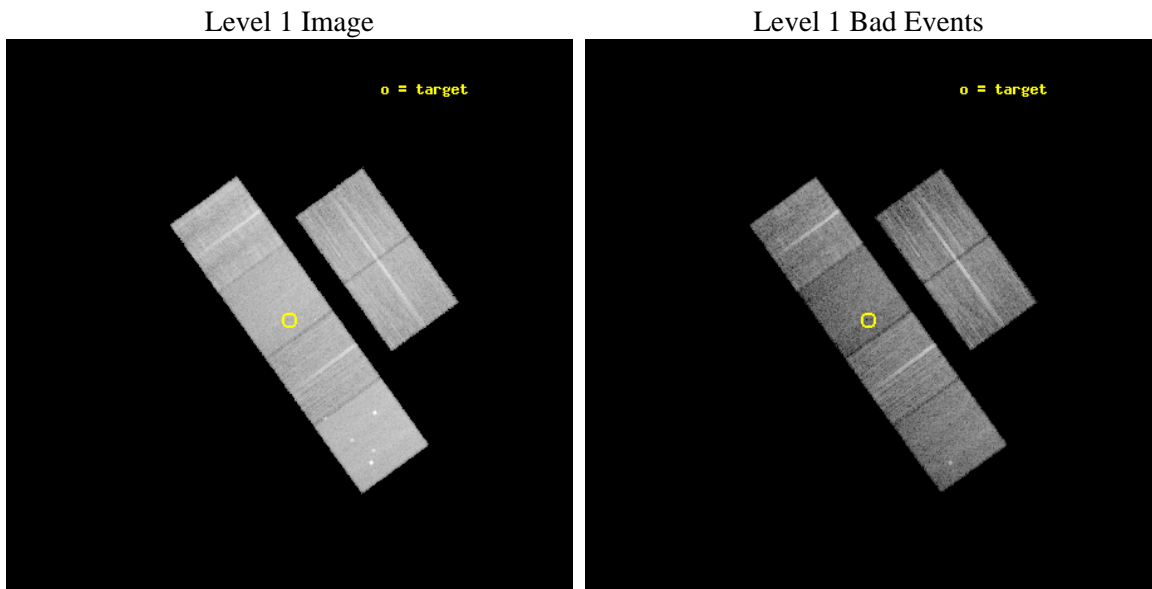
seq_num	702286	Sequence number
obs_id	11701	Observation id
title	After the Fall: Fading AGN in Post-starburst Galaxies	Proposal tit
observer	Dr. Christy Tremonti	Principal investigator
object	SDSS J214000.49+120914.6	Source name
dtycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	325.002083	Observer's specified target RA [deg]
dec_targ	12.154056	Observer's specified target Dec [deg]
ra_nom	325.00177436318	Nominal RA [deg]
dec_nom	12.149248532661	Nominal Dec [deg]
roll_nom	234.14146245306	Nominal Roll [deg]
revision	2	Processing version of data
ontime	11510.39995718	Sum of GTIs [s]
lvertime	11364.648342191	Livetime [s]
ontime2	11510.39995718	Sum of GTIs [s]
ontime3	11510.39995718	Sum of GTIs [s]
ontime5	11510.39995718	Sum of GTIs [s]
ontime6	11510.39995718	Sum of GTIs [s]
ontime7	11510.39995718	Sum of GTIs [s]
ontime8	11510.39995718	Sum of GTIs [s]
l2events	154219	Number of level 2 events



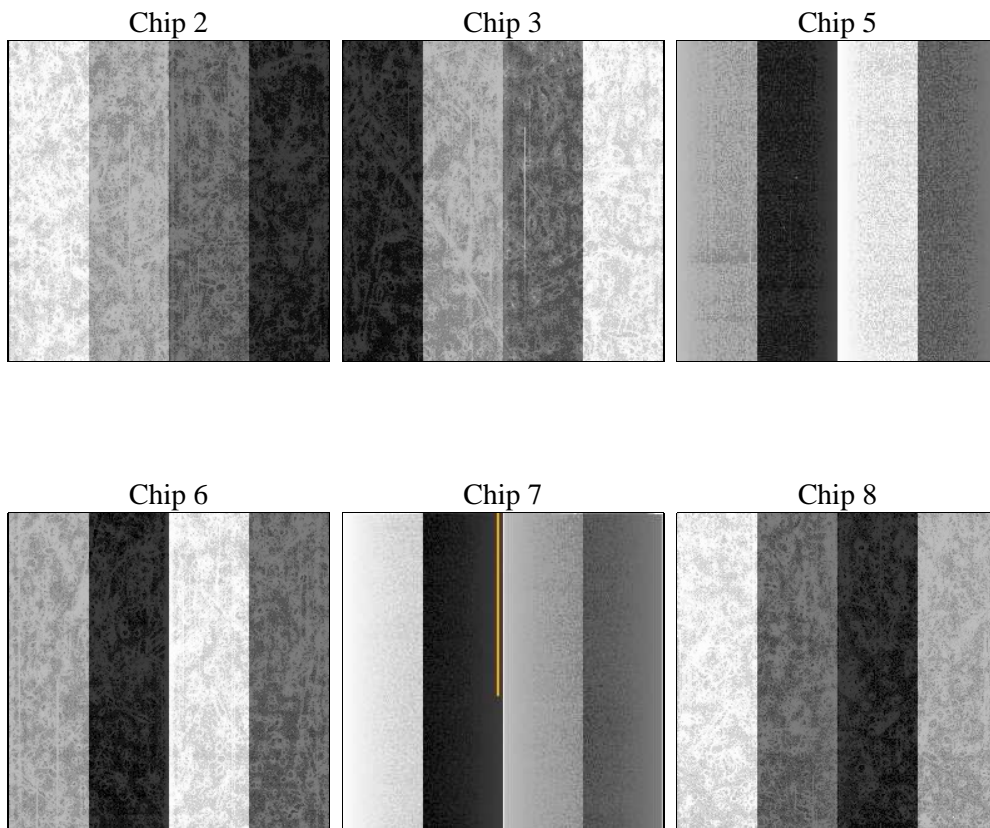
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11330.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	11510.39995718	Sum of GTIs [s]
caldbver	4.4.10	&#160	ontime2	11510.39995718	Sum of GTIs [s]
date	2012-06-13T03:07:40	Date and time of file creation	ontime3	11510.39995718	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	11510.39995718	Sum of GTIs [s]
			ontime6	11510.39995718	Sum of GTIs [s]
			ontime7	11510.39995718	Sum of GTIs [s]
			ontime8	11510.39995718	Sum of GTIs [s]
			l1events	713576	Number of level 1 events

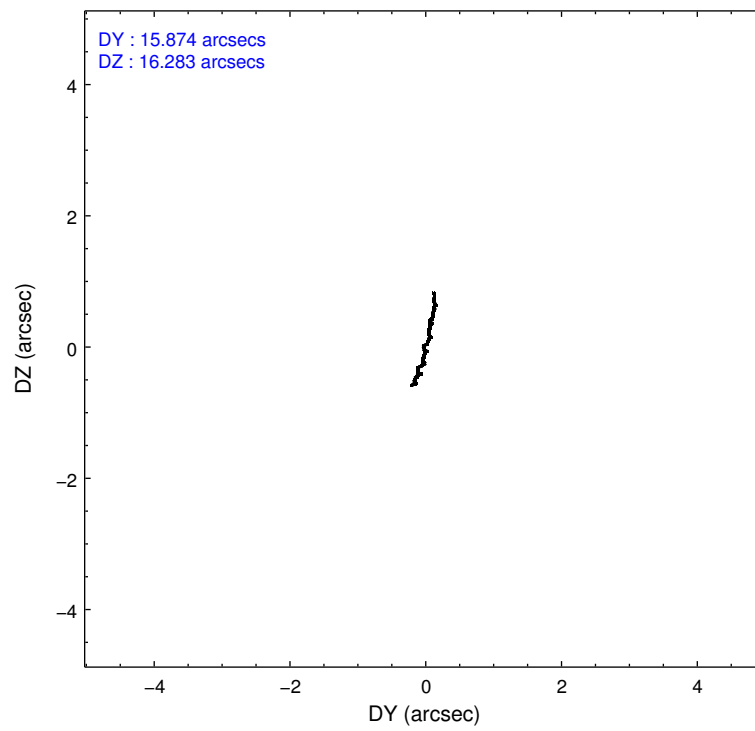
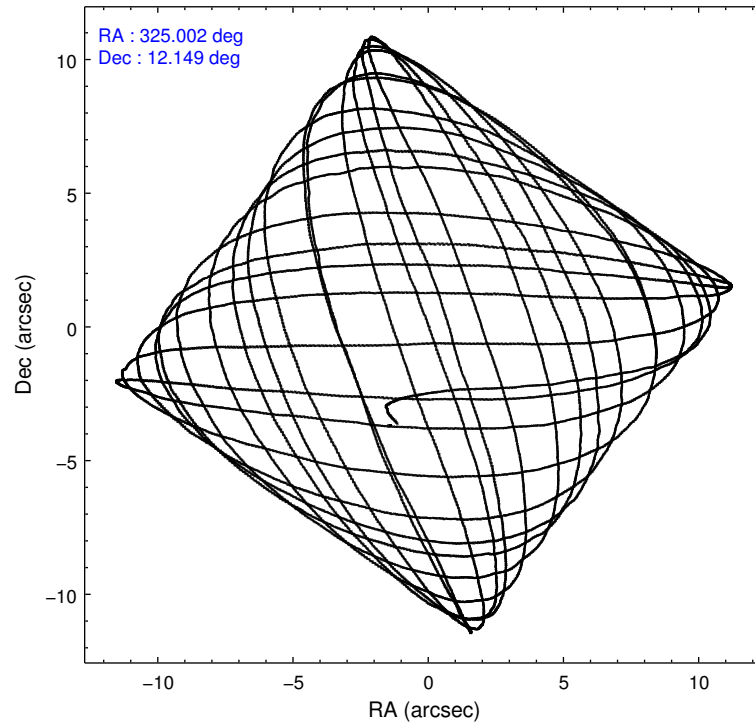
### 2.1.4 Events

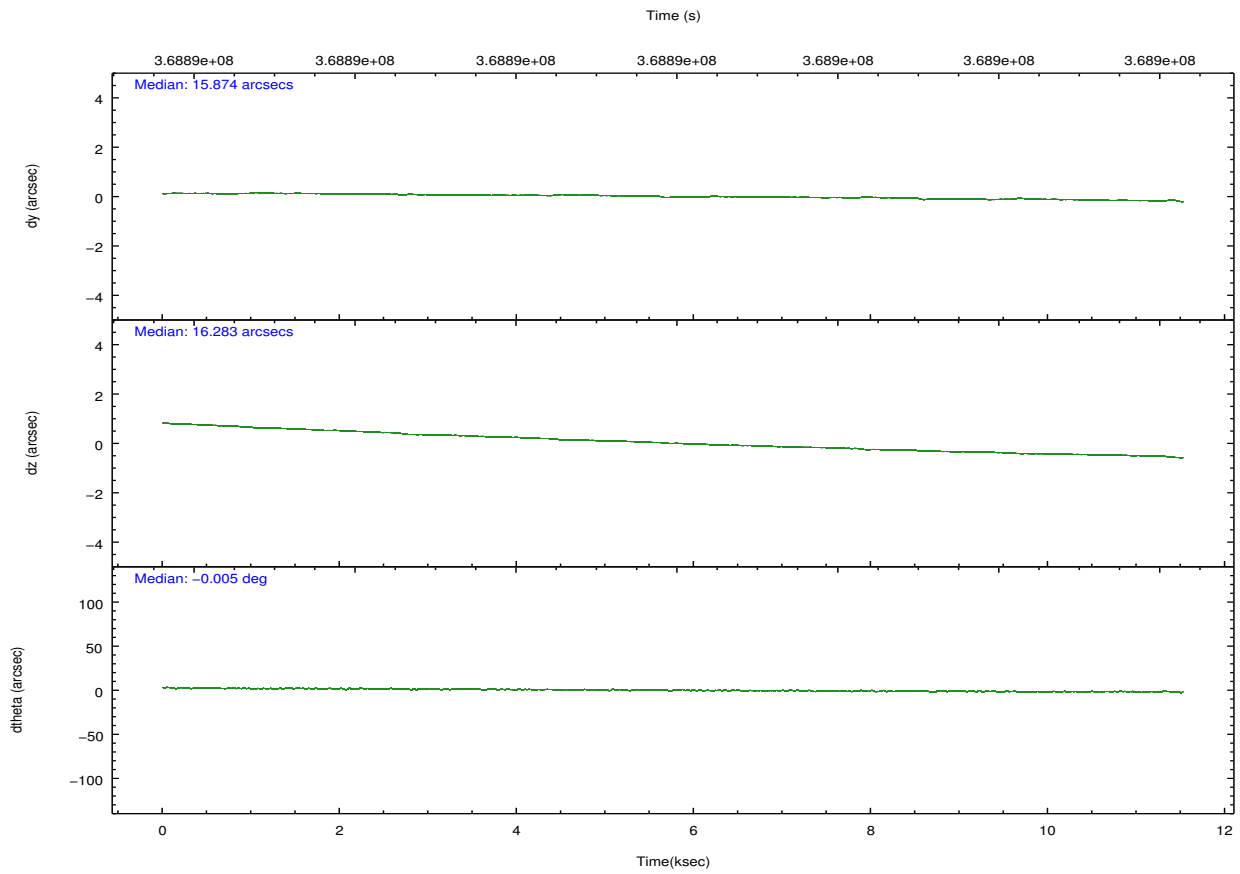
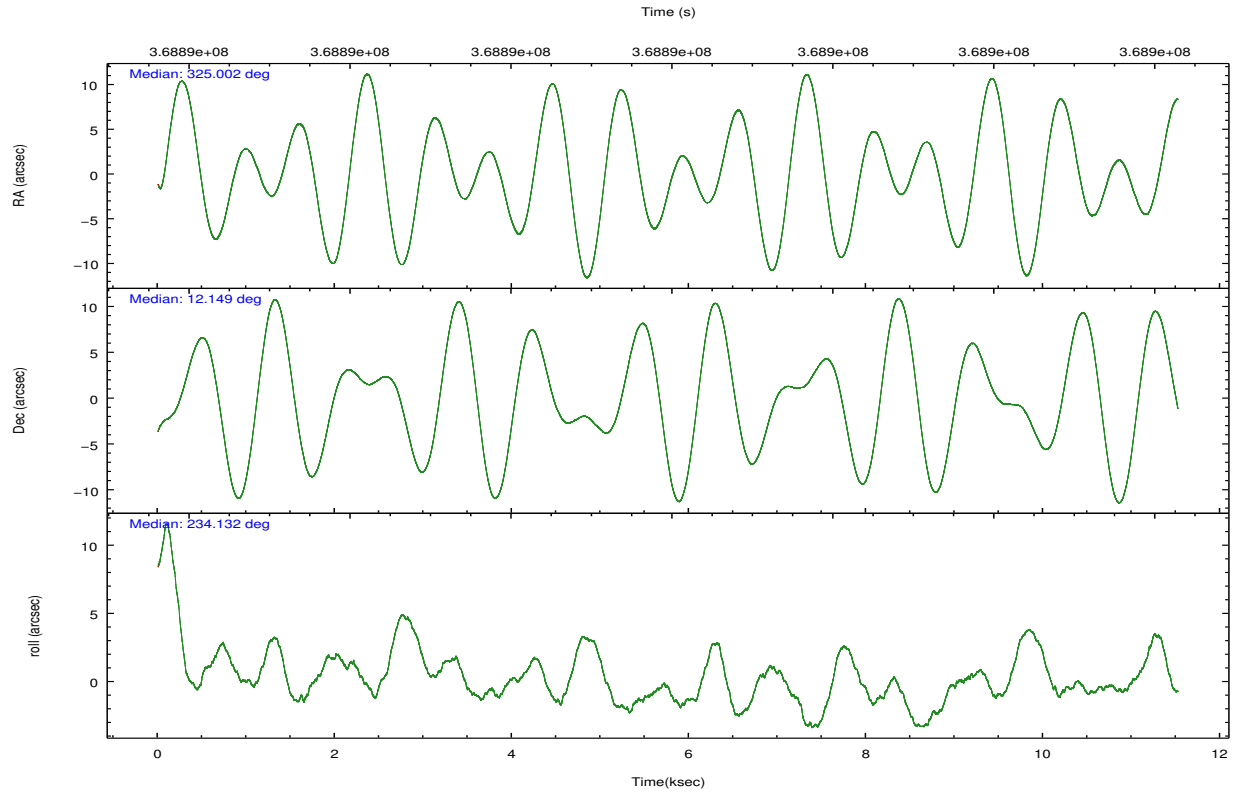
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	108362	100560	149487	104070	118333	132764	grade 0 events	3599	3534	8465	3723	4922	10141
rejected events	98309	90968	76119	93650	66276	99873		3%	3%	5%	3%	4%	7%
rejected %	90%	90%	50%	89%	56%	75%	grade 1 events	88	45	301	58	164	111
								0%	0%	0%	0%	0%	0%
							grade 2 events	2611	2113	22892	2398	10924	7755
								2%	2%	15%	2%	9%	5%
							grade 3 events	1073	1109	3005	1142	4880	3819
								0%	1%	2%	1%	4%	2%
							grade 4 events	1091	1083	2818	1145	4864	3388
								1%	1%	1%	1%	4%	2%
							grade 5 events	3752	4162	11482	4161	12382	6070
								3%	4%	7%	3%	10%	4%
							grade 6 events	1976	2020	38306	2317	28027	8680
								1%	2%	25%	2%	23%	6%
							grade 7 events	94172	86494	62218	89126	52170	92800
								86%	86%	41%	85%	44%	69%

## 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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	325.004191	325.0017743631814	CCD I2 on	O1	Y
[deg] Pointing Dec	12.176455	12.14924853266118	CCD I3 on	O2	Y
[deg] Pointing Roll	233.984321	234.1414624530615	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O4	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	O3	Y
[s] Observation start time (MET)	368888391.184000	368887146.99278	CCD S5 on	N	N
Observation start date	2009-09-09T12:58:45	2009-09-09T12:39:06	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	368899721.184000	368900248.54344	On-chip summing requested	N	N
Observation end date	2009-09-09T16:07:35	2009-09-09T16:17:28	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



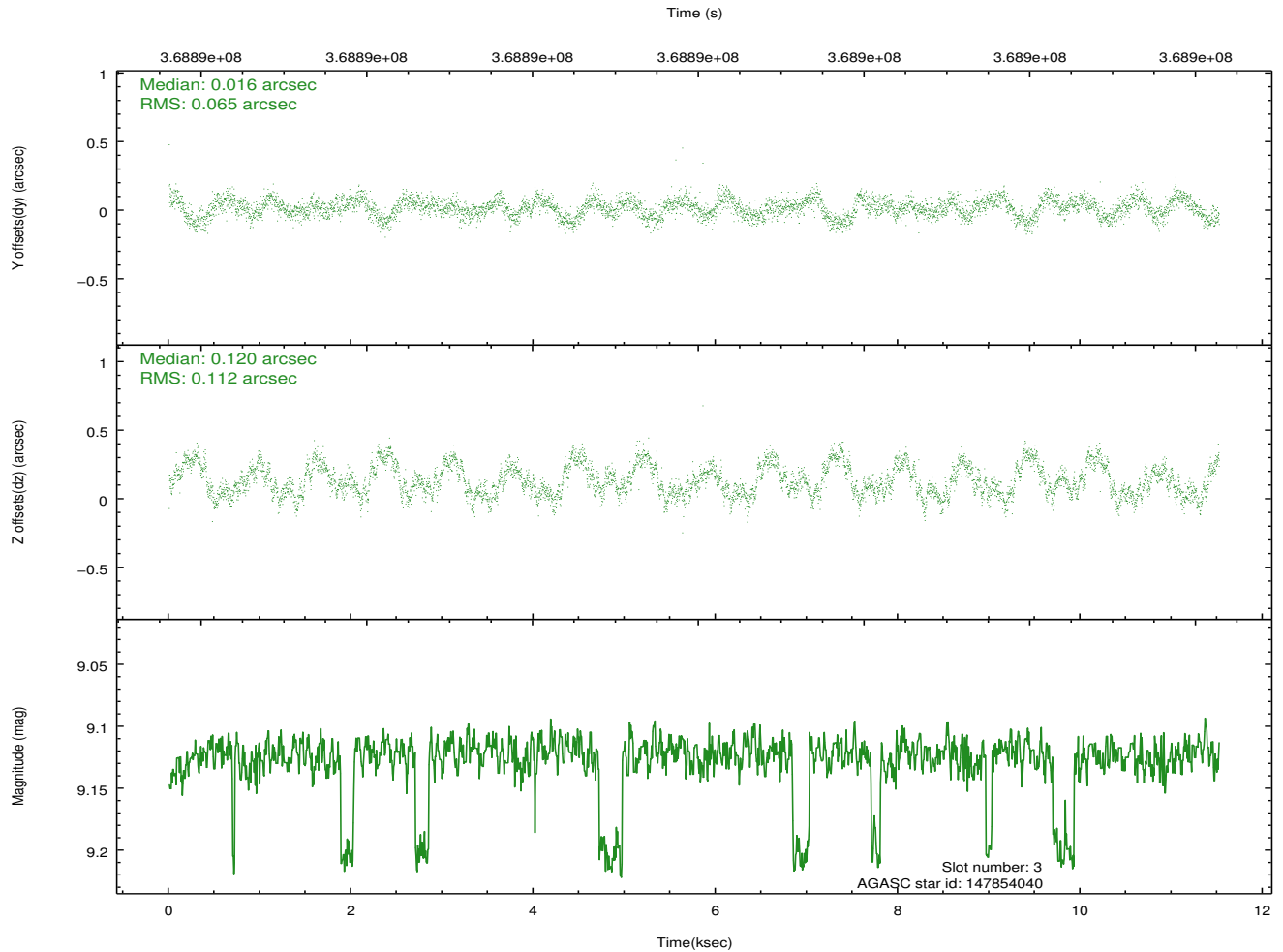
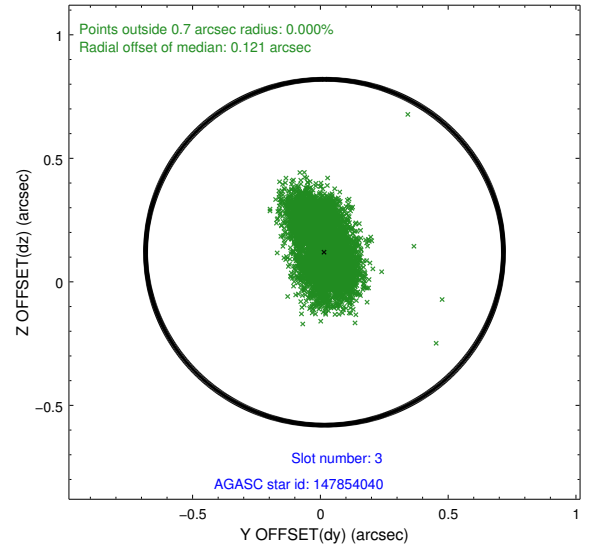
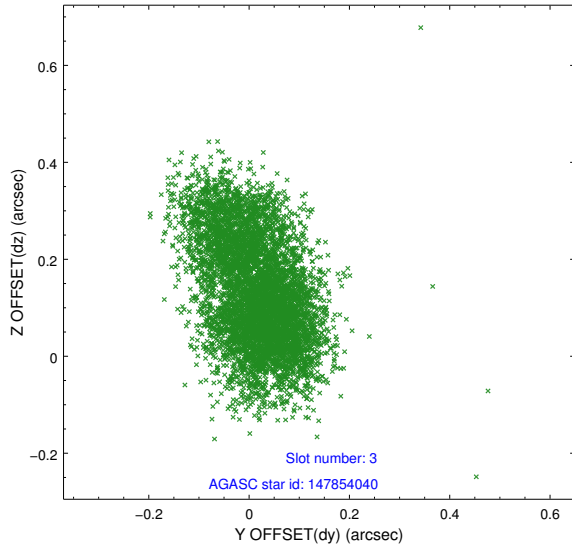


### Slot Statistics

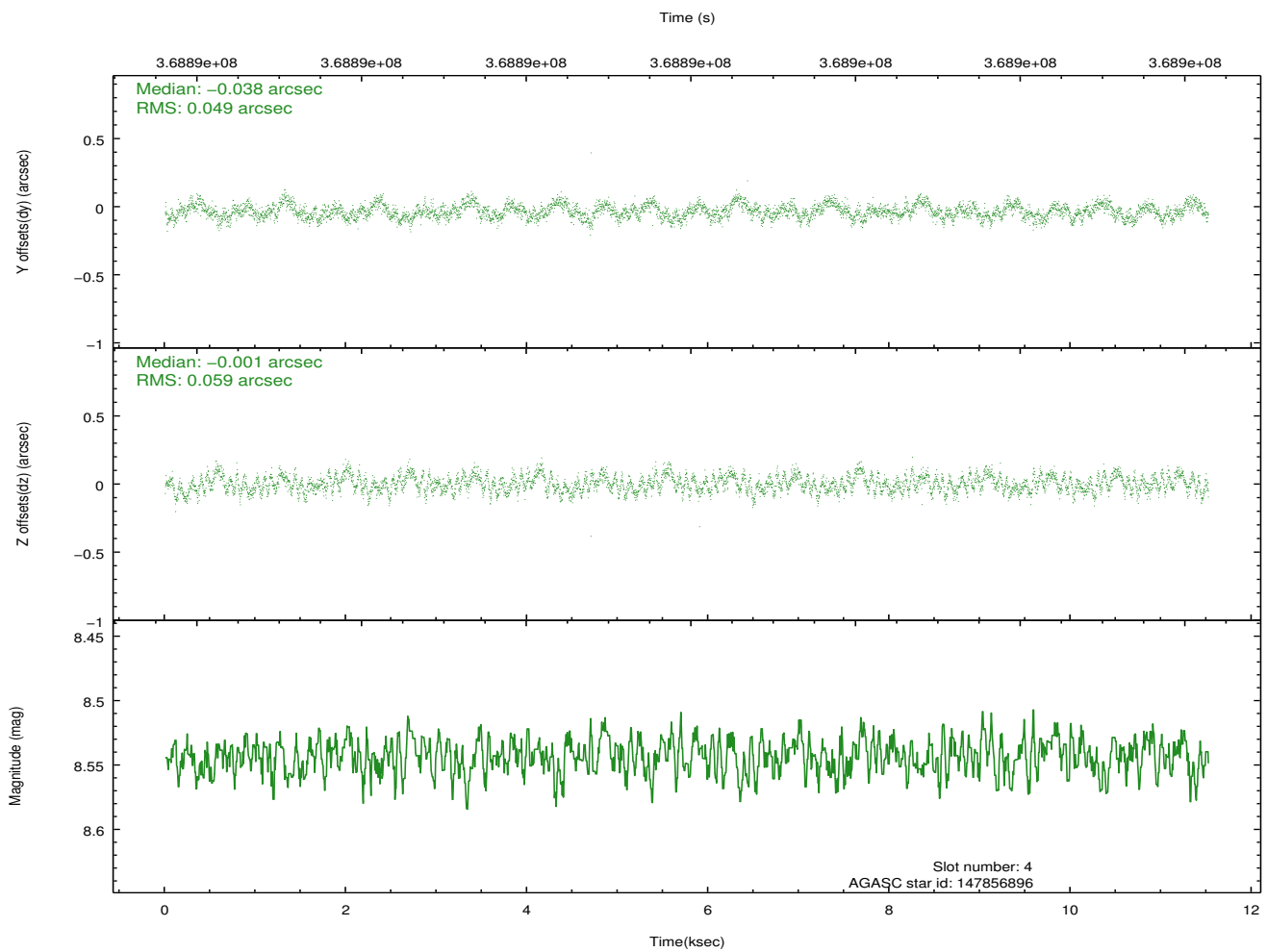
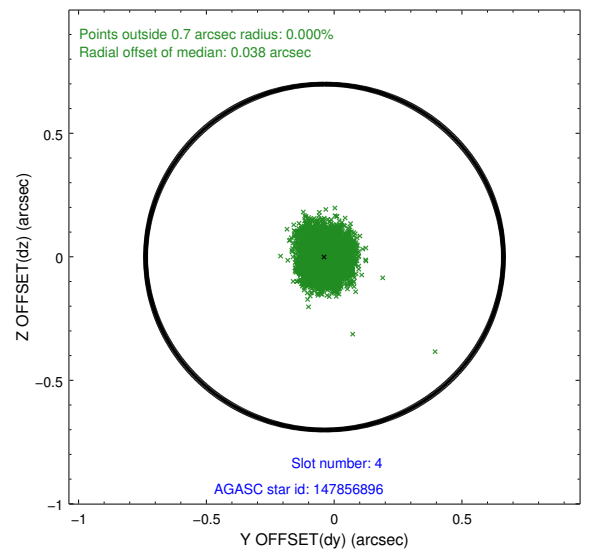
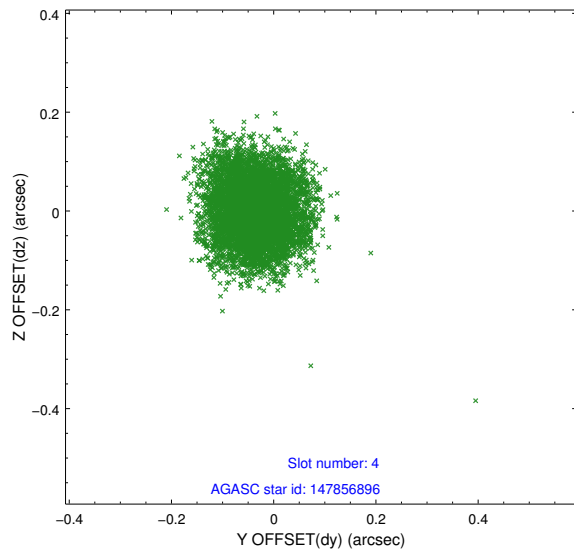
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.95	2810	0.072	-0.087	0.019	0.027	0.000000	0.000000	927.24	-1733.41
1	FID	ACIS-S-5	7.00	2809	-0.116	0.041	0.015	0.024	0.000000	0.000000	-1821.70	163.82
2	FID	ACIS-S-6	7.10	2810	0.021	0.055	0.014	0.023	0.000000	0.000000	392.27	808.28
3	GUIDE	147854040	9.12	5595	0.016	0.120	0.137	0.223	324.491562	12.333895	601.29	-1792.47
4	GUIDE	147856896	8.54	5618	-0.038	-0.001	0.083	0.128	325.307593	11.643162	923.24	1993.93
5	GUIDE	147861048	8.16	5620	0.005	0.090	0.056	0.090	324.638280	12.237867	578.58	-1171.41
6	GUIDE	147862464	7.99	5616	-0.026	-0.087	0.068	0.100	324.764822	11.649532	2030.65	432.58
7	GUIDE	147993728	9.05	5603	0.043	-0.142	0.103	0.166	325.561791	11.853388	-215.51	2271.52

## 2.4 Star Slots

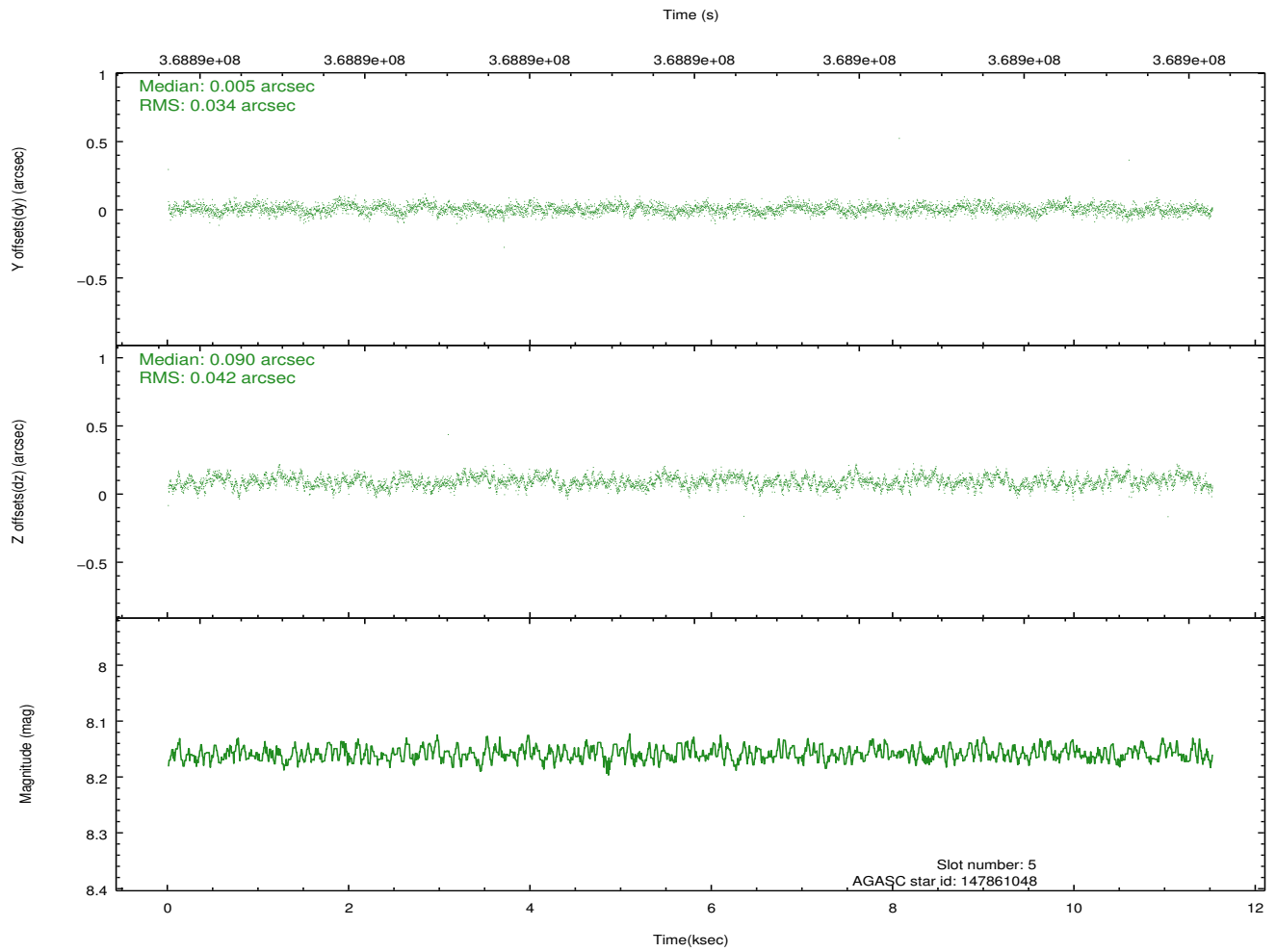
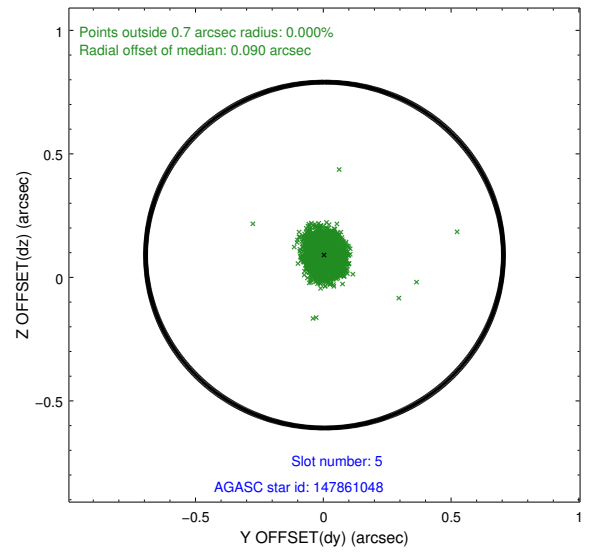
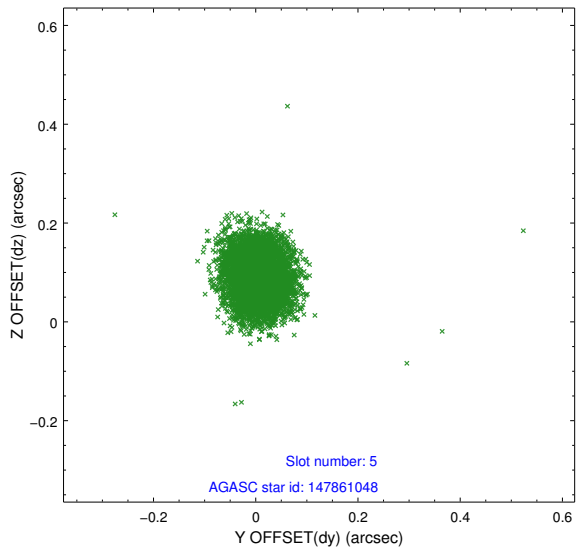
### 2.4.1 Slot 3



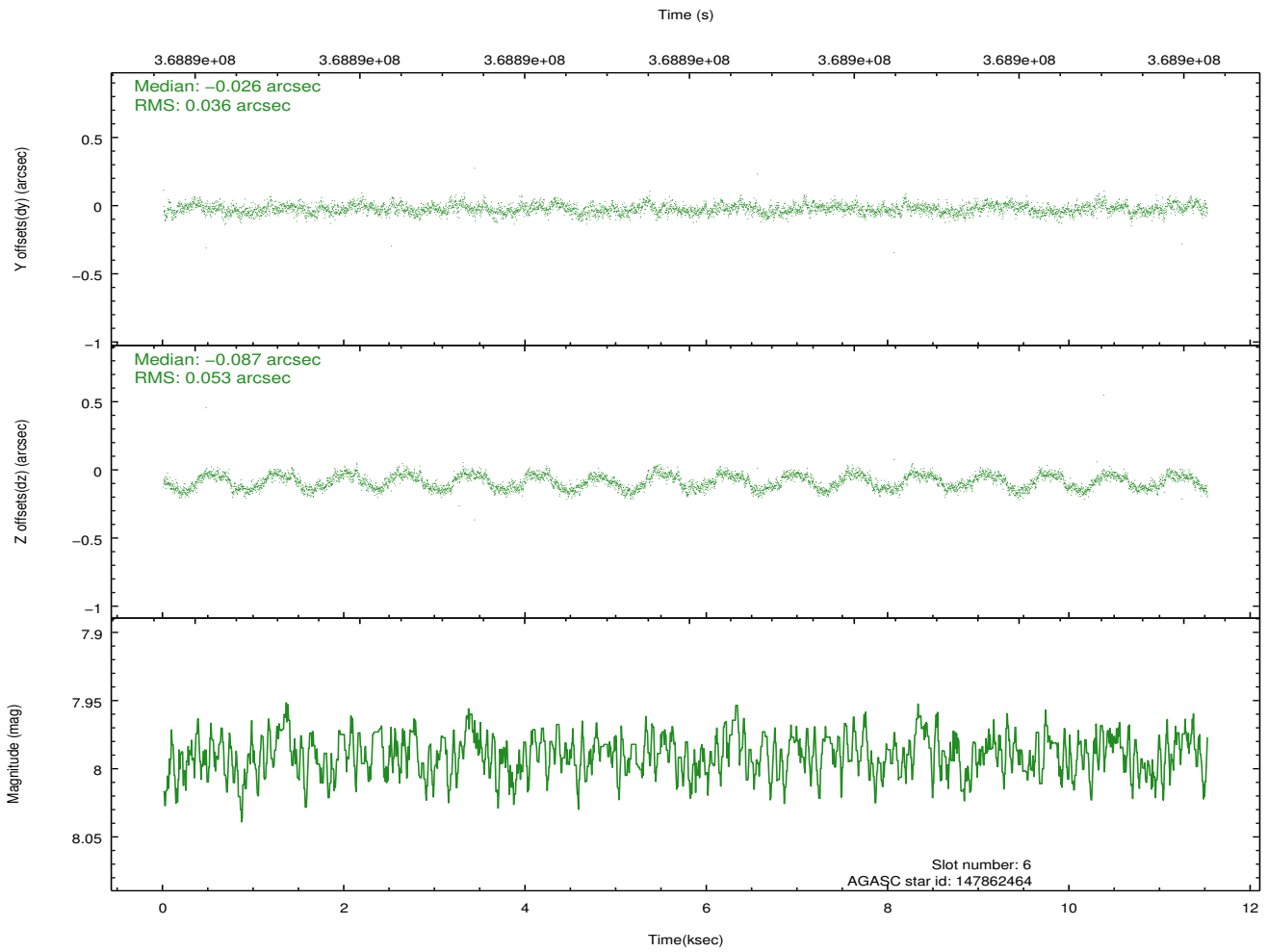
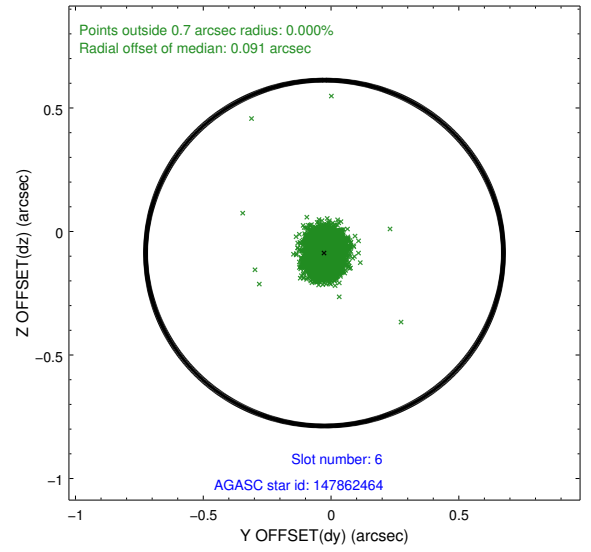
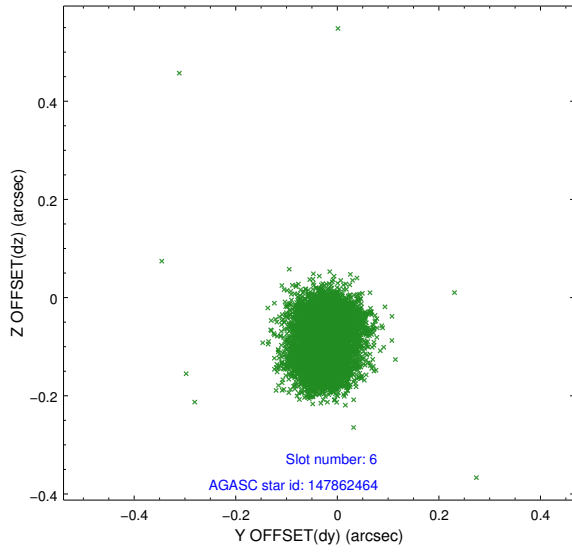
## 2.4.2 Slot 4



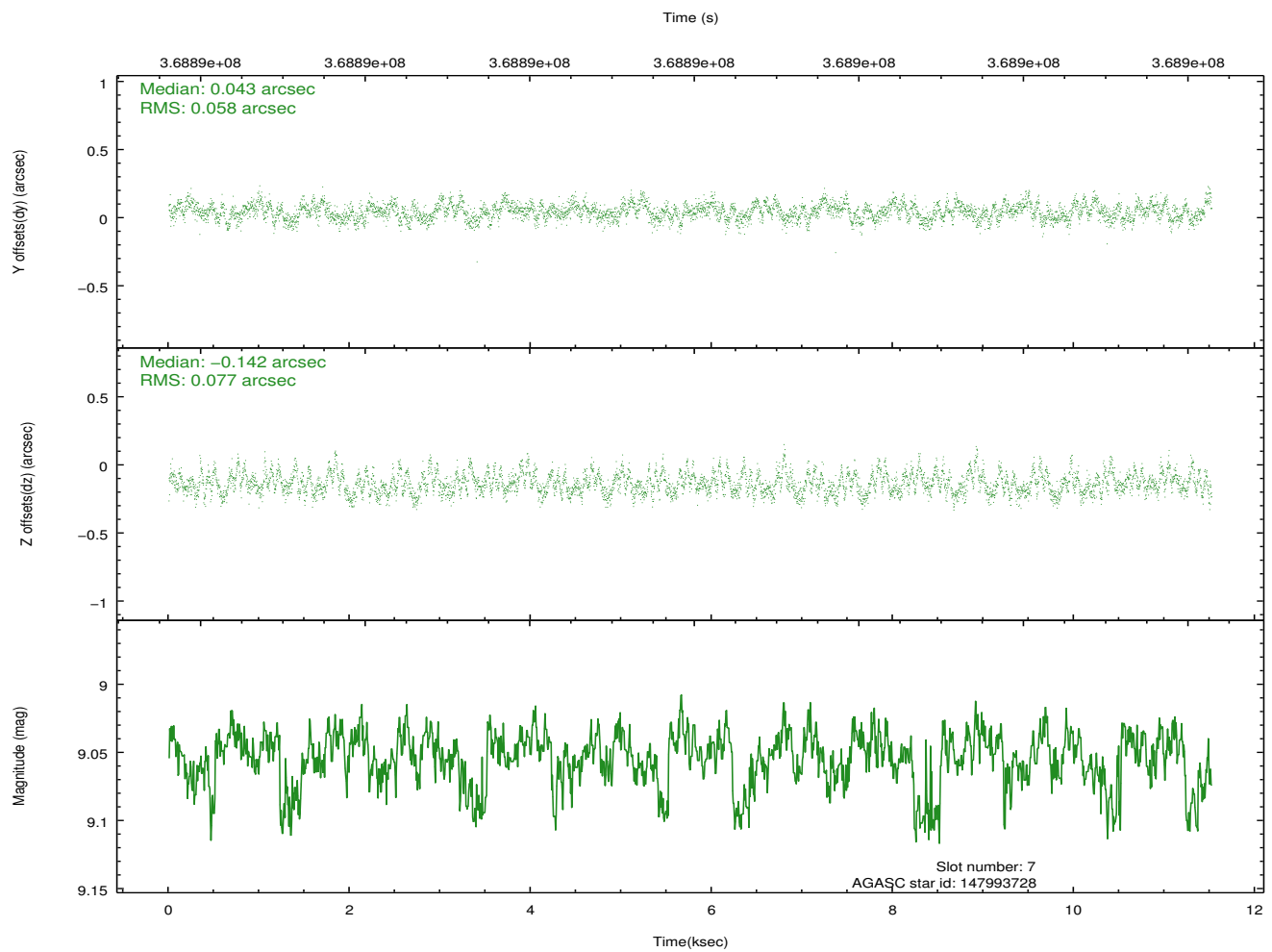
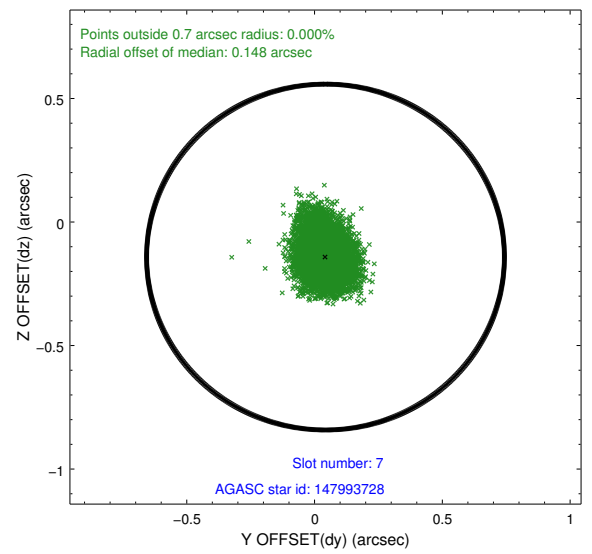
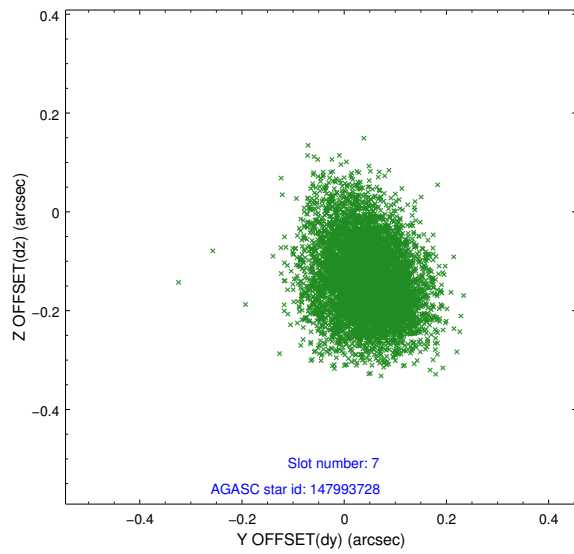
### 2.4.3 Slot 5



## 2.4.4 Slot 6

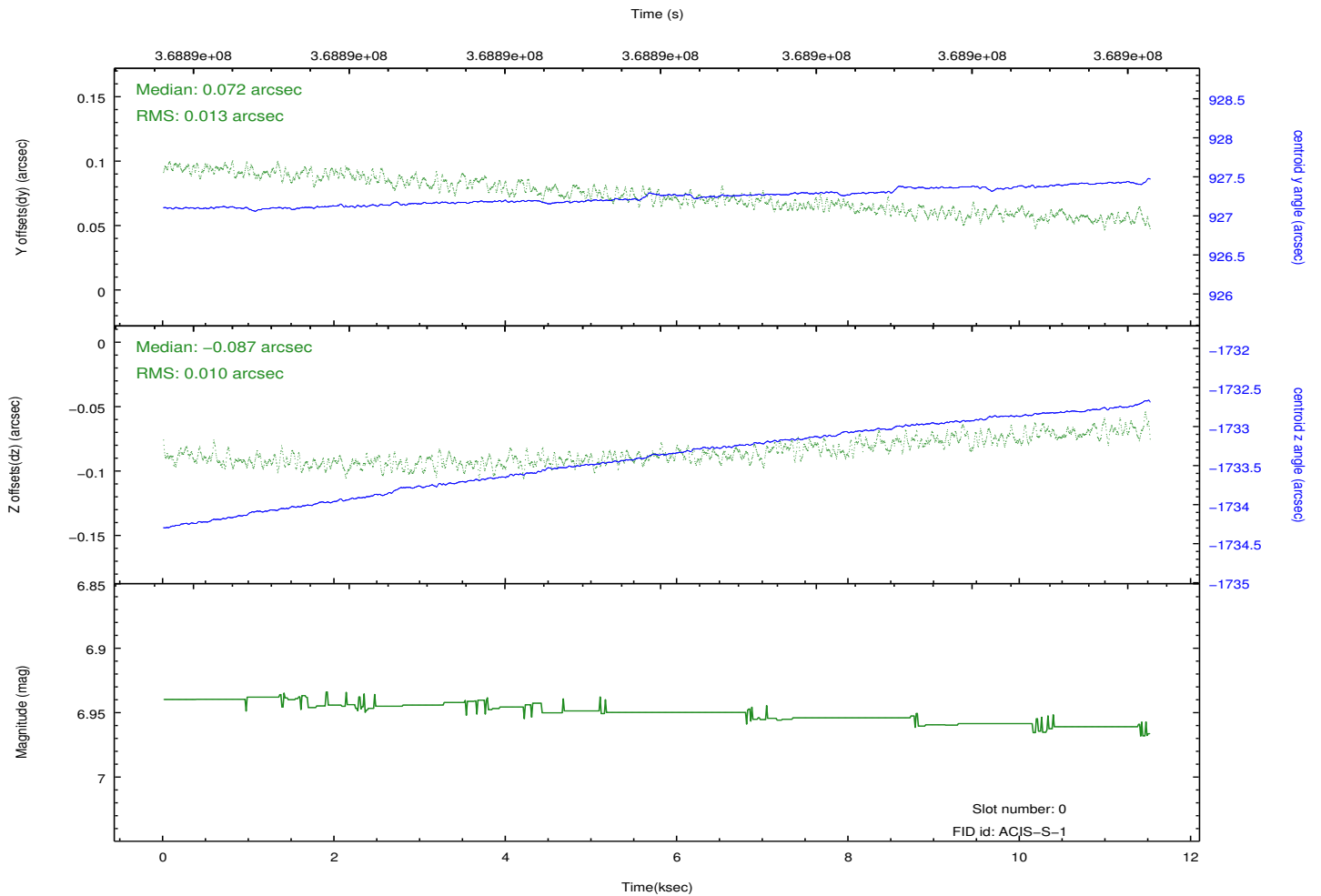
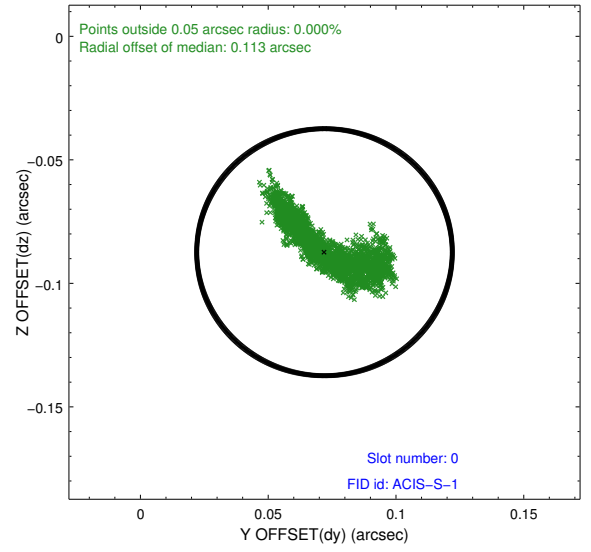
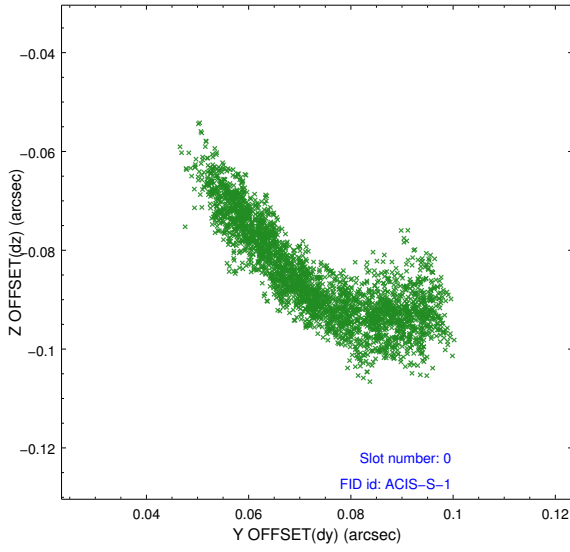


## 2.4.5 Slot 7

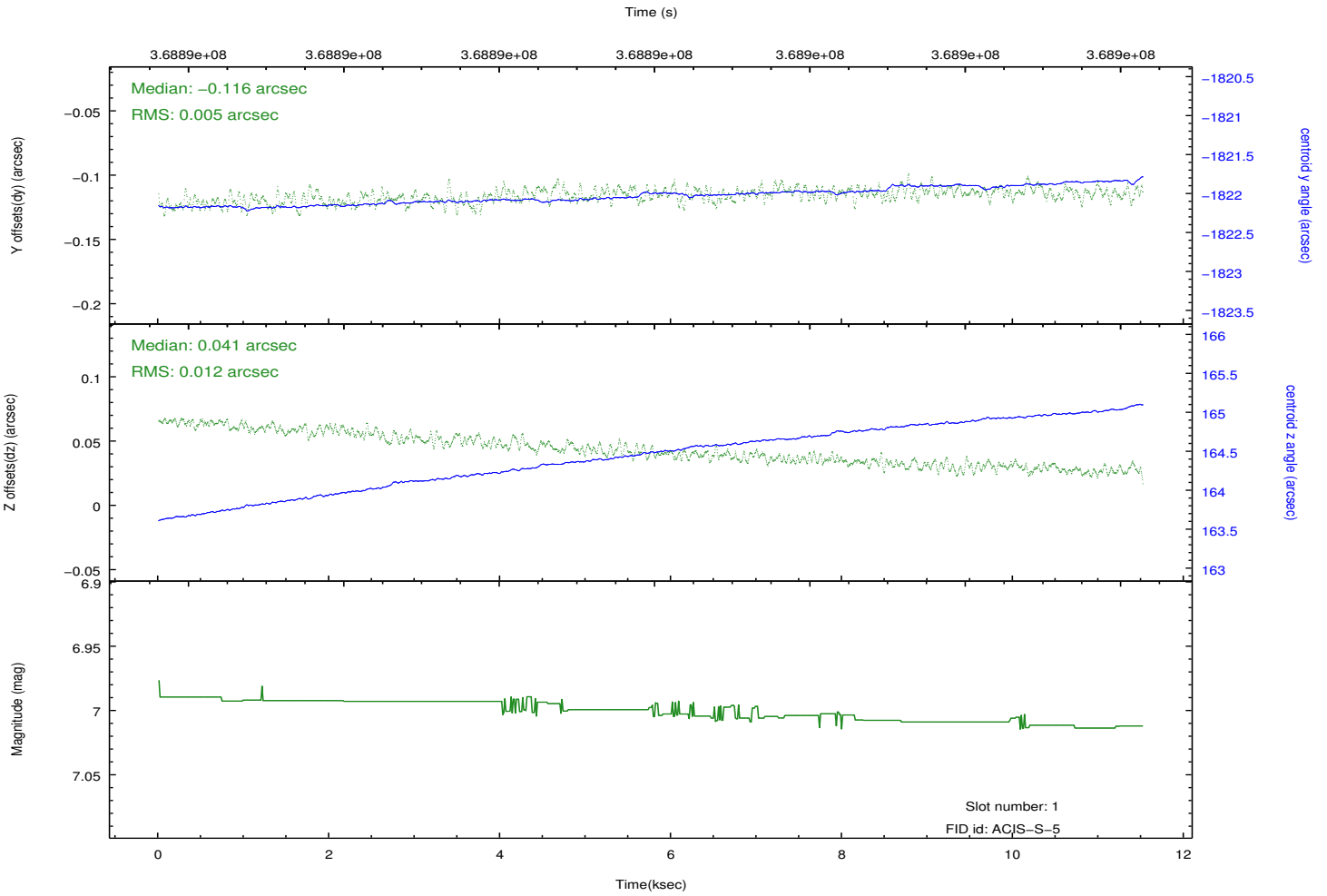
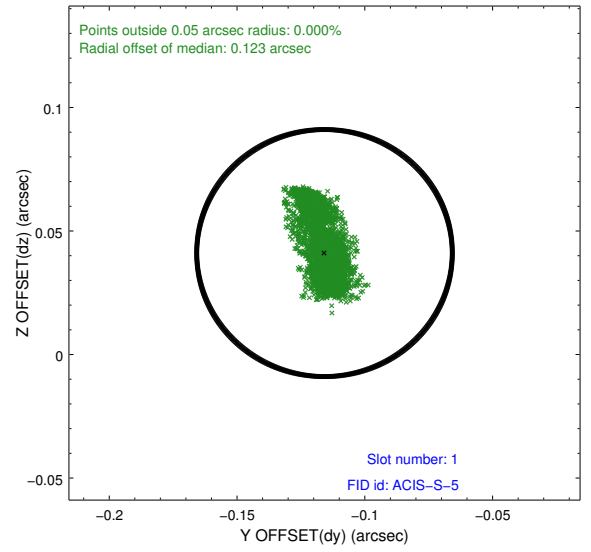
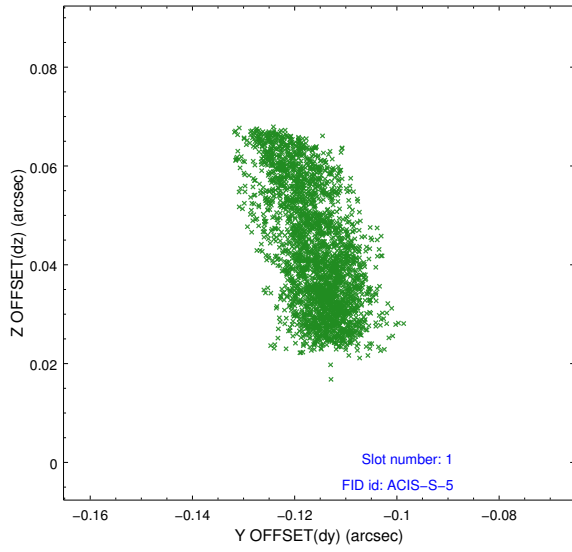


## 2.5 FID Slots

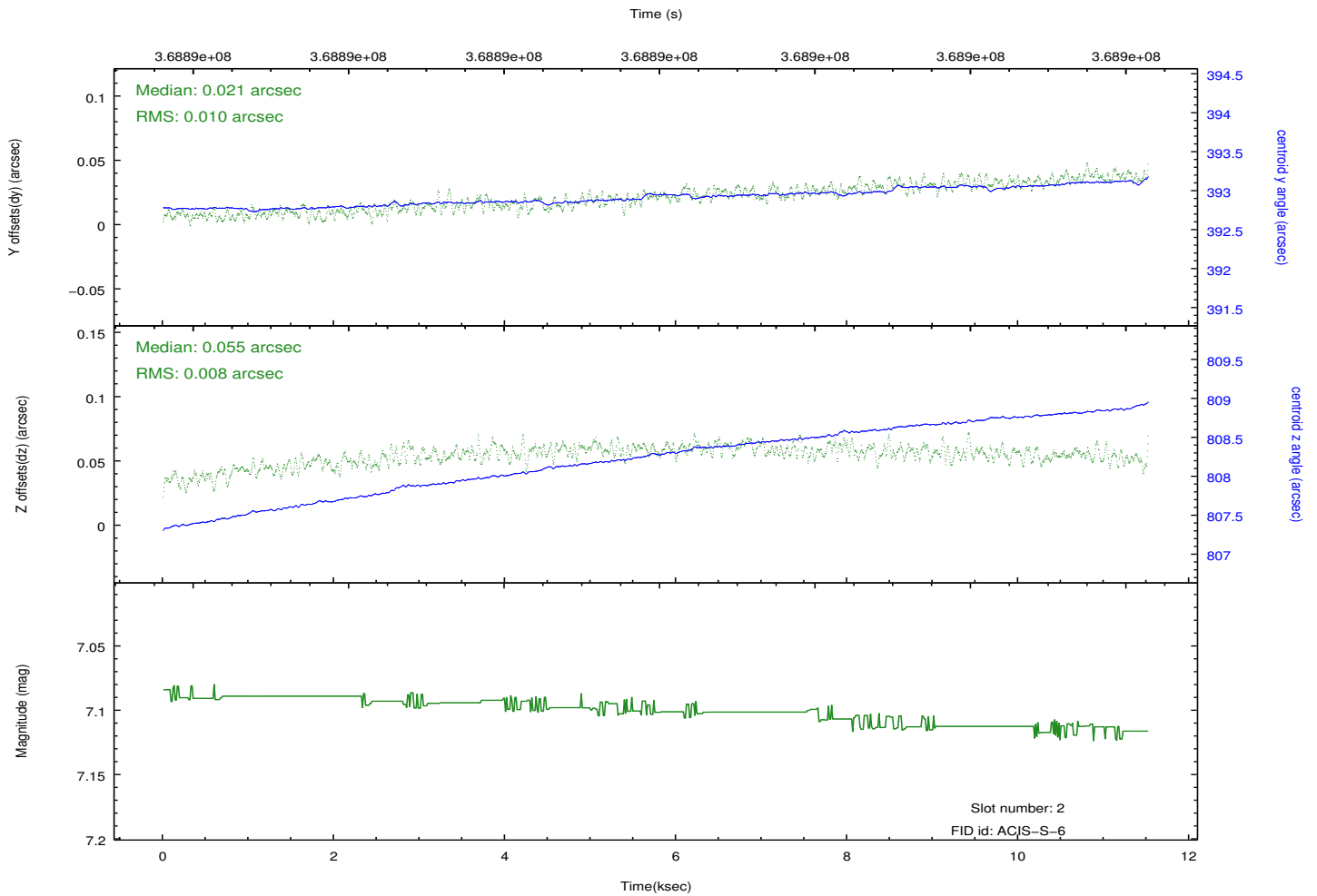
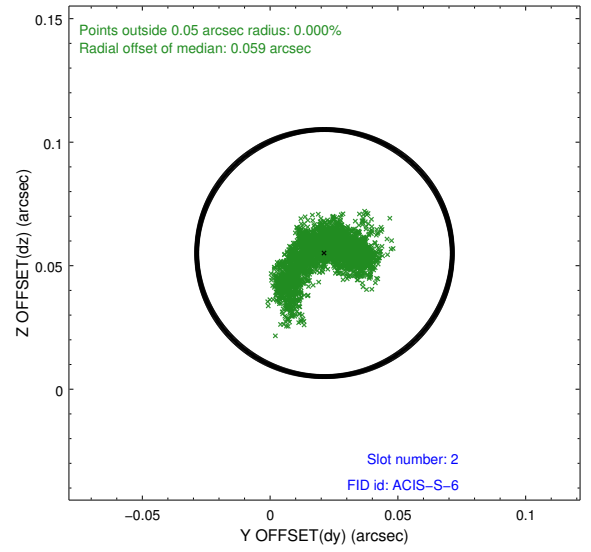
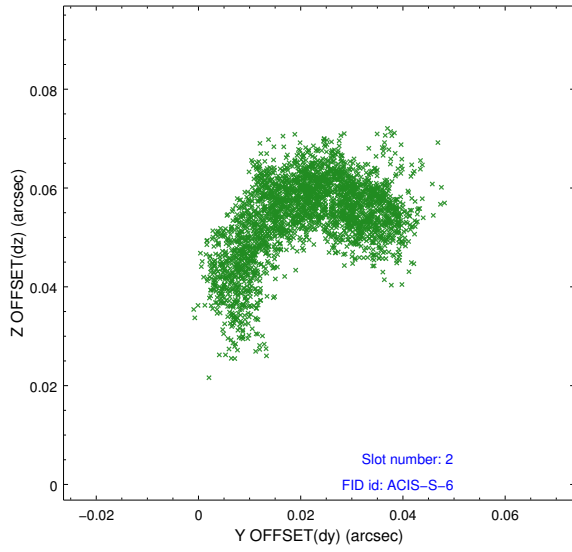
### 2.5.1 Slot 0



## 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)	2012.06.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.51039995718

## A.2 Comments

Joint proposal with HST.