

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9050 - L2 Version 2  
Chandra X-Ray Center

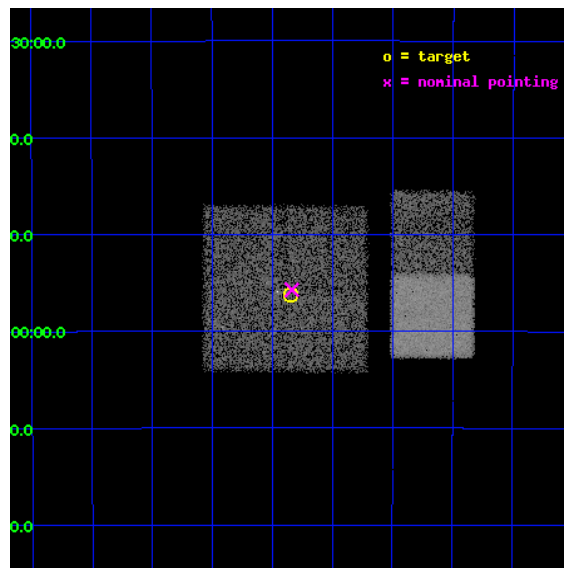
L2 Processing Date : Jun 1 2012

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# 1 Front

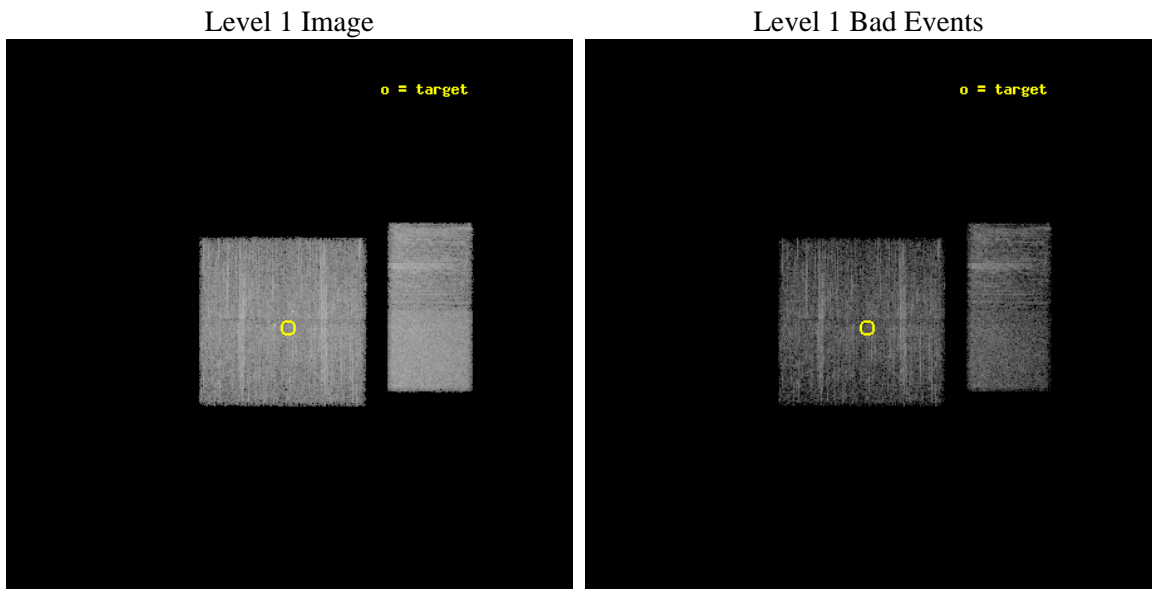
seq_num	400901	Sequence number
obs_id	9050	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J17354-3255	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	263.8375	Observer's specified target RA [deg]
dec_targ	-32.936944	Observer's specified target Dec [deg]
ra_nom	263.83431816507	Nominal RA [deg]
dec_nom	-32.928800444198	Nominal Dec [deg]
roll_nom	90.207007230483	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4751.5212048292	Sum of GTIs [s]
livetime	4691.3545823111	Livetime [s]
ontime0	4751.3980848193	Sum of GTIs [s]
ontime1	4751.4391248226	Sum of GTIs [s]
ontime2	4751.4801648259	Sum of GTIs [s]
ontime3	4751.5212048292	Sum of GTIs [s]
ontime6	4751.6032848358	Sum of GTIs [s]
ontime7	4751.5622249246	Sum of GTIs [s]
l2events	56588	Number of level 2 events



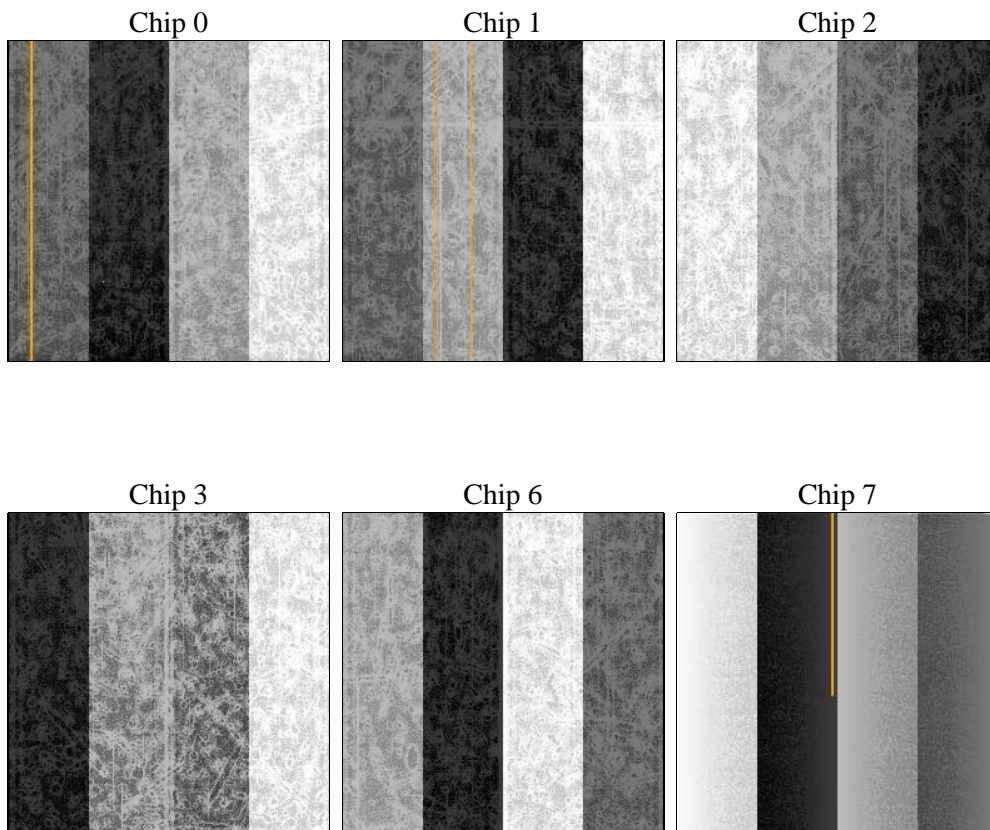
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4751.5212048292	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	4751.3980848193	Sum of GTIs [s]
date	2012-06-01T06:29:24	Date and time of file creation	ontime1	4751.4391248226	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4751.4801648259	Sum of GTIs [s]
			ontime3	4751.5212048292	Sum of GTIs [s]
			ontime6	4751.6032848358	Sum of GTIs [s]
			ontime7	4751.5622249246	Sum of GTIs [s]
			l1events	304489	Number of level 1 events

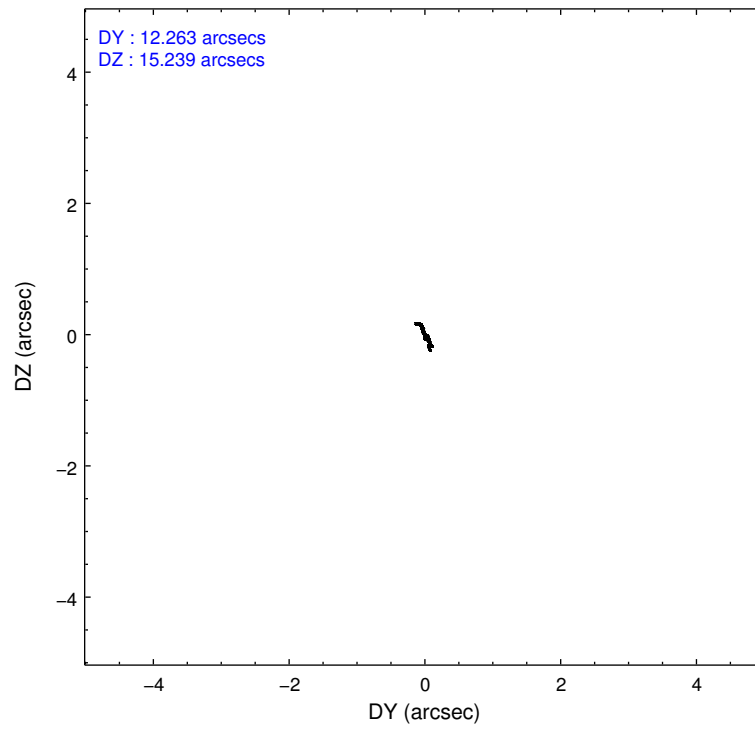
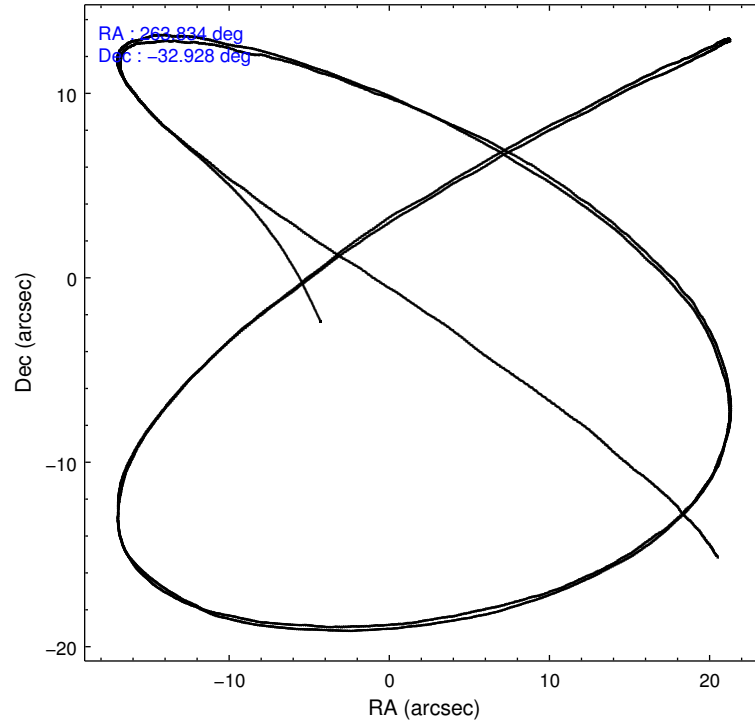
### 2.1.4 Events

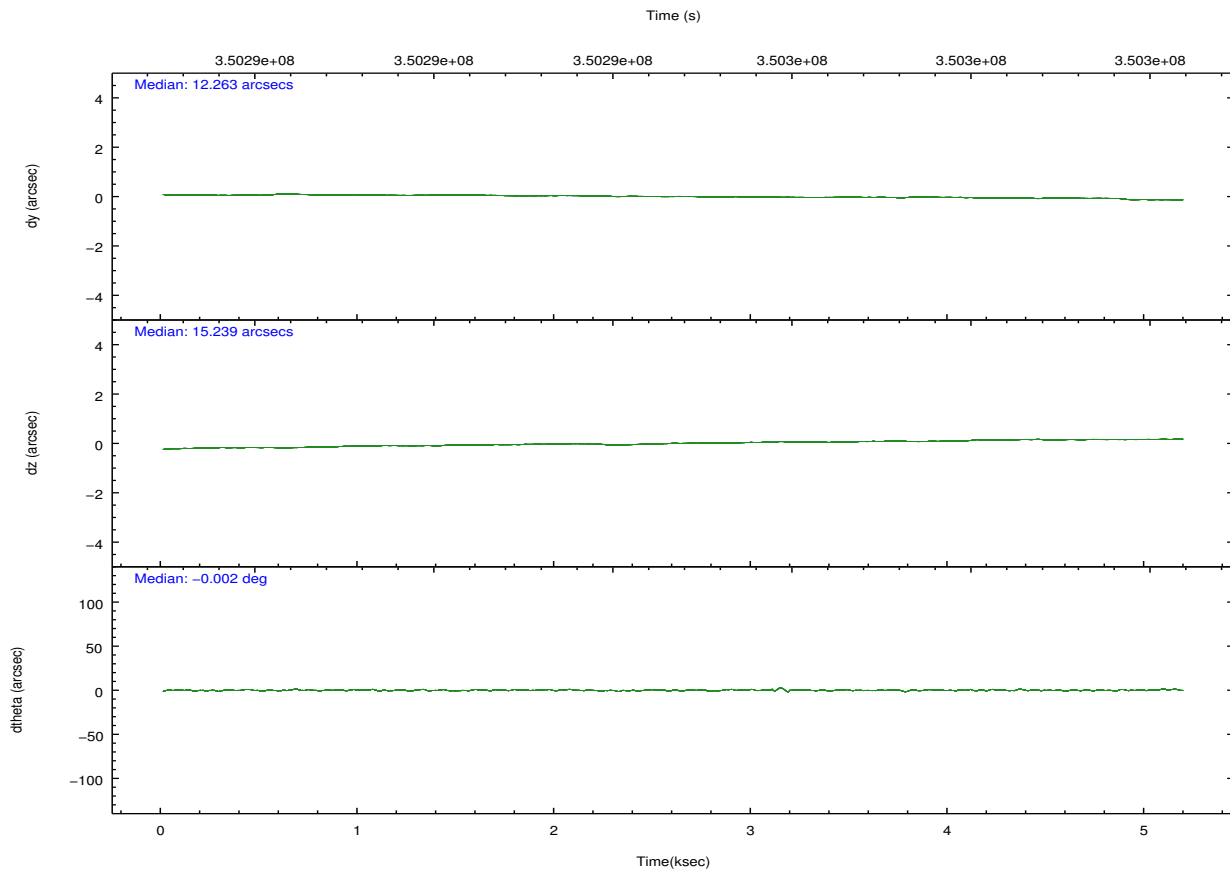
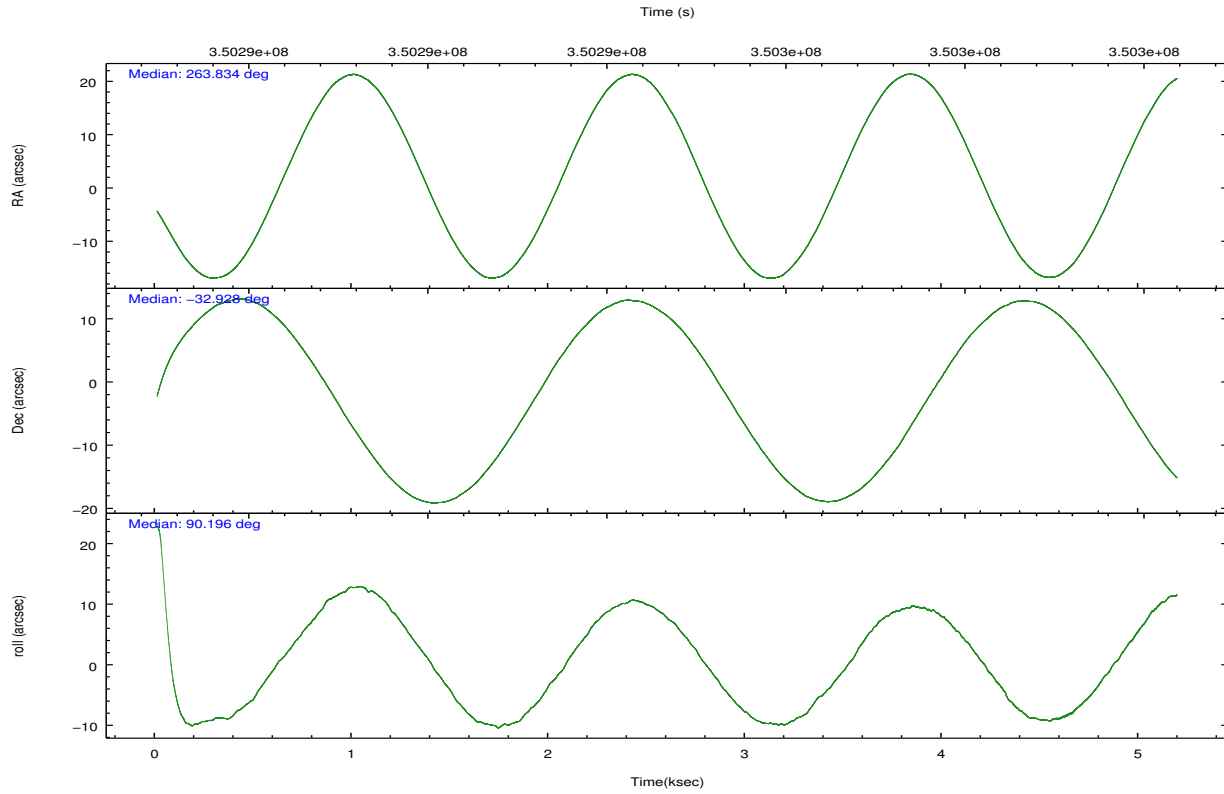
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	46002	44734	47060	48242	50410	68041	grade 0 events	2874	3110	2962	2977	2479	2468
rejected events	39475	37390	40802	41853	44161	39435		6%	6%	6%	6%	4%	3%
rejected %	85%	83%	86%	86%	87%	57%	grade 1 events	33	53	26	46	37	72
								0%	0%	0%	0%	0%	0%
							grade 2 events	1431	1668	1308	1249	1321	5947
								3%	3%	2%	2%	2%	8%
							grade 3 events	613	629	516	550	618	2470
								1%	1%	1%	1%	1%	3%
							grade 4 events	561	643	521	568	537	2473
								1%	1%	1%	1%	1%	3%
							grade 5 events	1993	2233	1992	2346	2424	6316
								4%	4%	4%	4%	4%	9%
							grade 6 events	1060	1302	958	1056	1304	15282
								2%	2%	2%	2%	2%	22%
							grade 7 events	37437	35096	38777	39450	41690	33013
								81%	78%	82%	81%	82%	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	263.851209	263.8343181650699	CCD I2 on	Y	Y
[deg] Pointing Dec	-32.952946	-32.9288004441983	CCD I3 on	Y	Y
[deg] Pointing Roll	90.007455	90.2070072304827	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)	350291945.184000	350291351.09043	CCD S5 on	N	N
Observation start date	2009-02-06T07:17:59	2009-02-06T07:09:11	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	350296945.184000	350297227.41572	On-chip summing requested	N	N
Observation end date	2009-02-06T08:41:19	2009-02-06T08:47:07	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



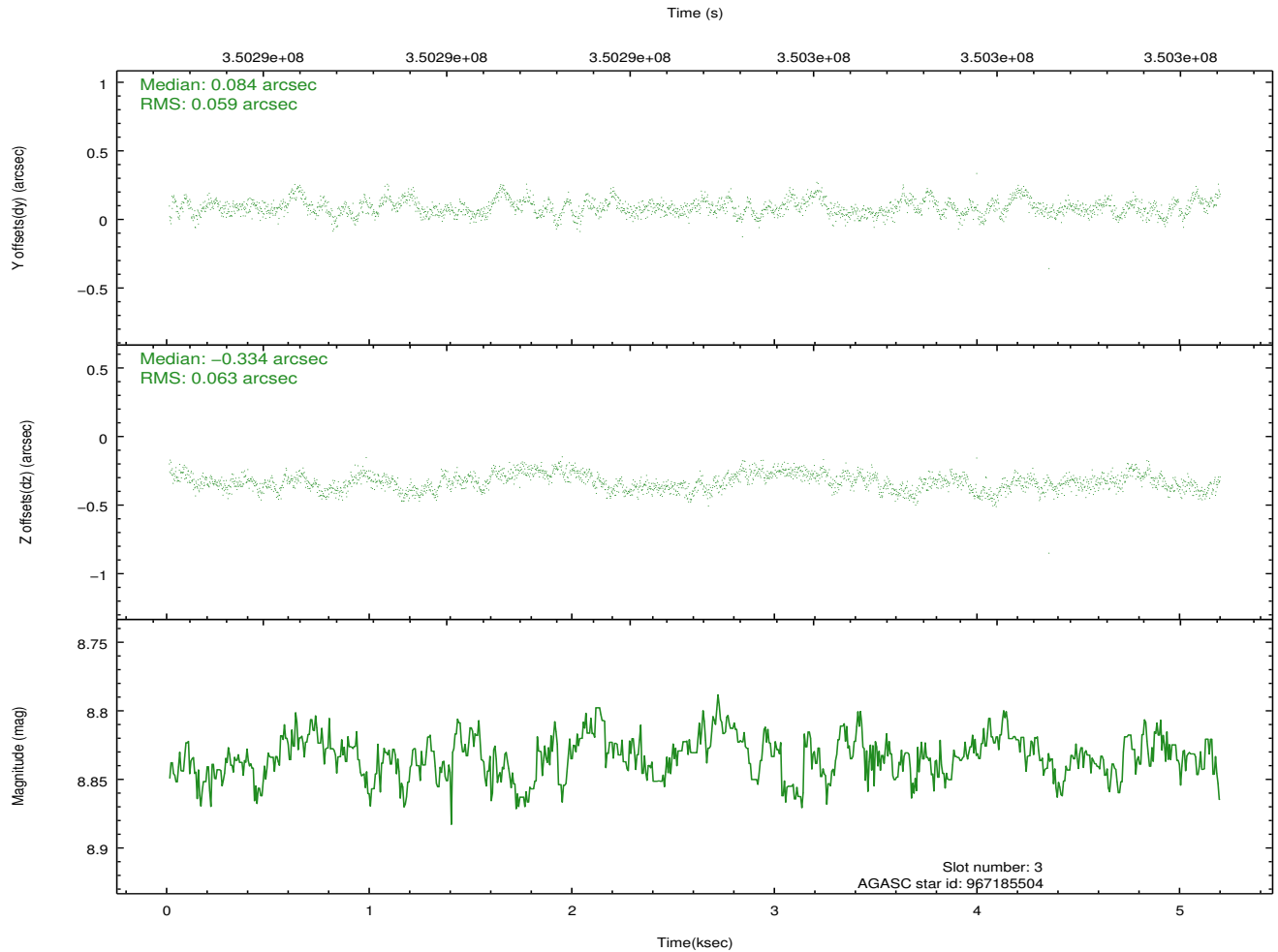
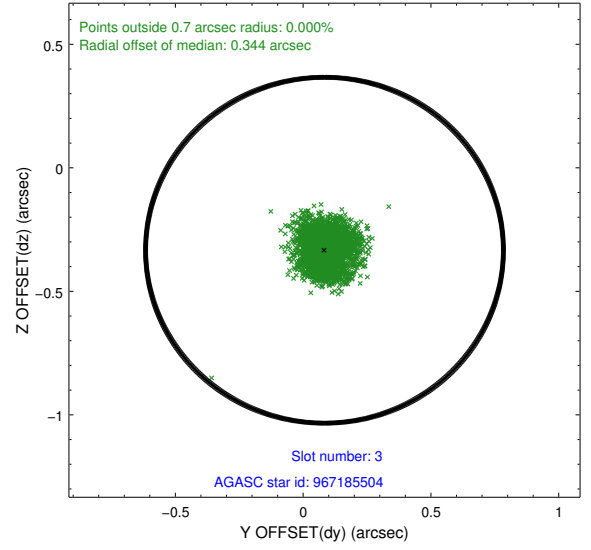
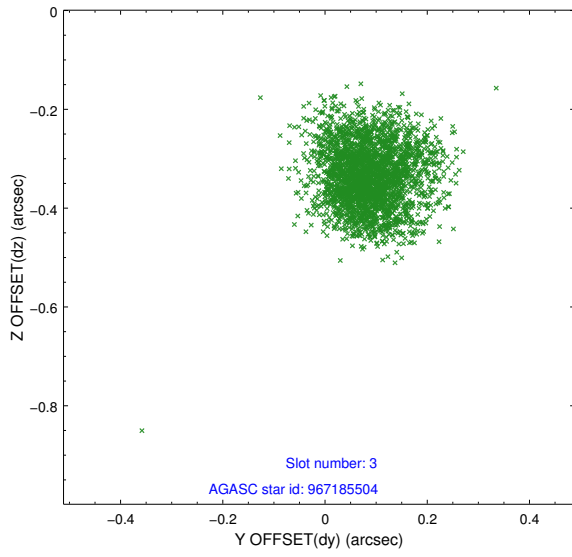


### Slot Statistics

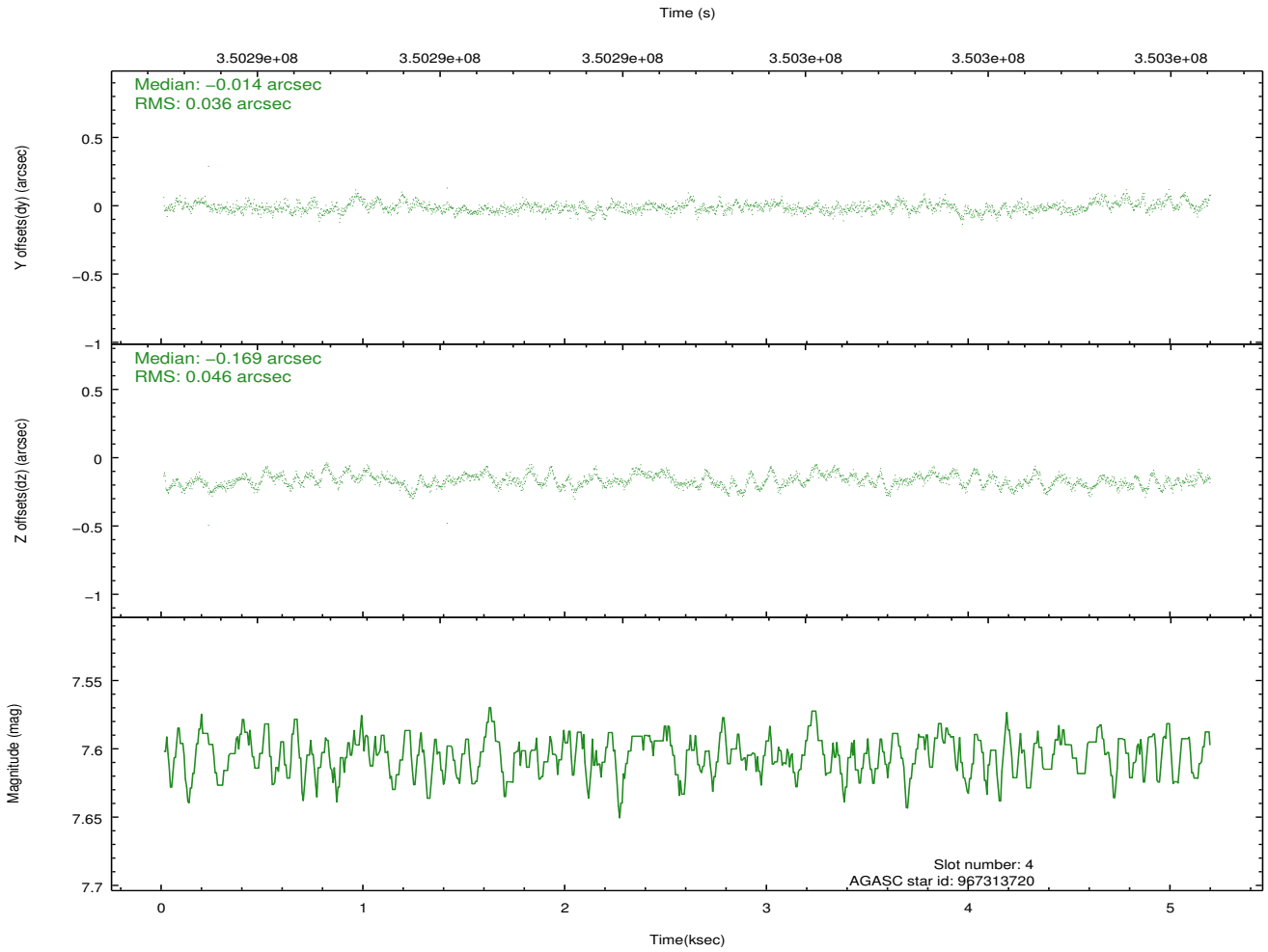
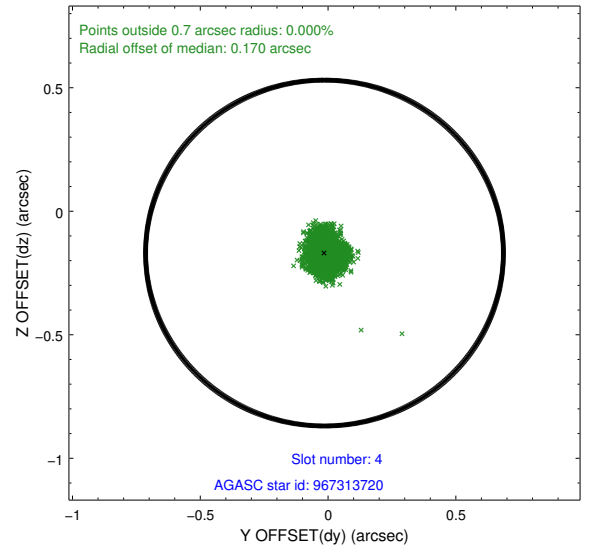
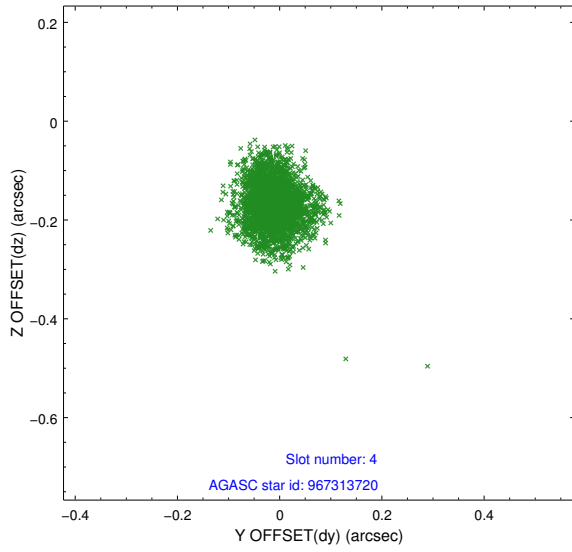
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.02	1265	-0.023	-0.013	0.011	0.019	0.000000	0.000000	927.25	-838.86
1	FID	ACIS-I-4	6.95	1264	0.152	0.044	0.011	0.018	0.000000	0.000000	2148.12	1060.42
2	FID	ACIS-I-5	7.02	1265	-0.227	0.040	0.009	0.016	0.000000	0.000000	-1819.46	1059.60
3	GUIDE	967185504	8.83	2530	0.084	-0.334	0.092	0.145	263.086503	-33.340046	-1403.50	2298.90
4	GUIDE	967313720	7.60	2531	-0.014	-0.169	0.062	0.100	263.275073	-33.057791	-384.33	1738.46
5	GUIDE	967315840	9.05	2525	-0.066	0.157	0.101	0.159	264.613107	-32.630537	1150.90	-2309.60
6	GUIDE	967318888	7.18	2531	0.072	0.164	0.061	0.096	263.984827	-33.432377	-1727.09	-402.90
7	GUIDE	967319792	8.20	2529	-0.081	0.182	0.068	0.113	264.568490	-32.873496	276.59	-2169.27

## 2.4 Star Slots

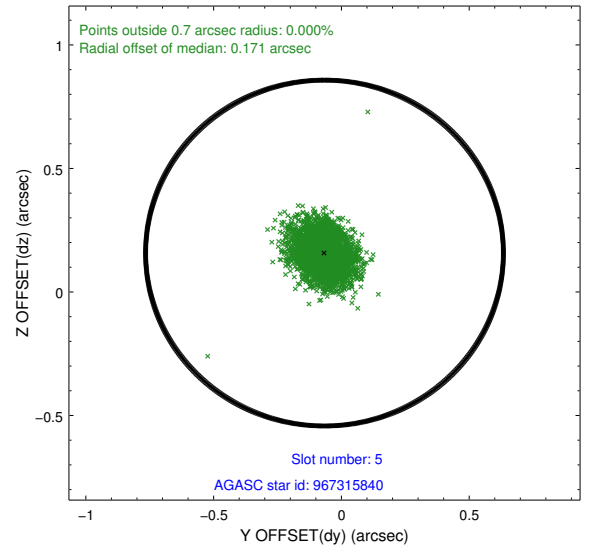
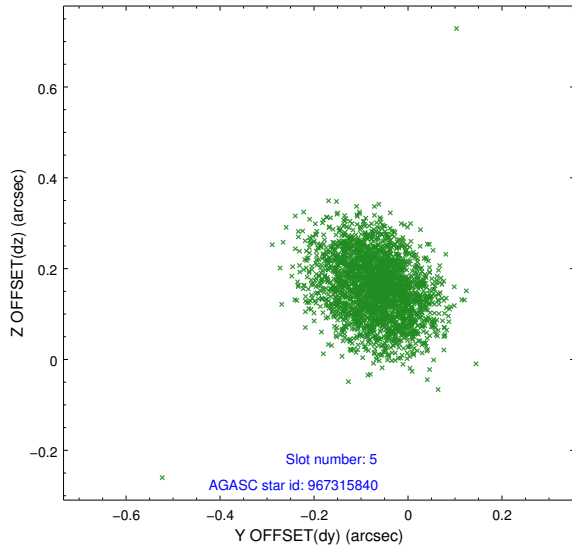
### 2.4.1 Slot 3



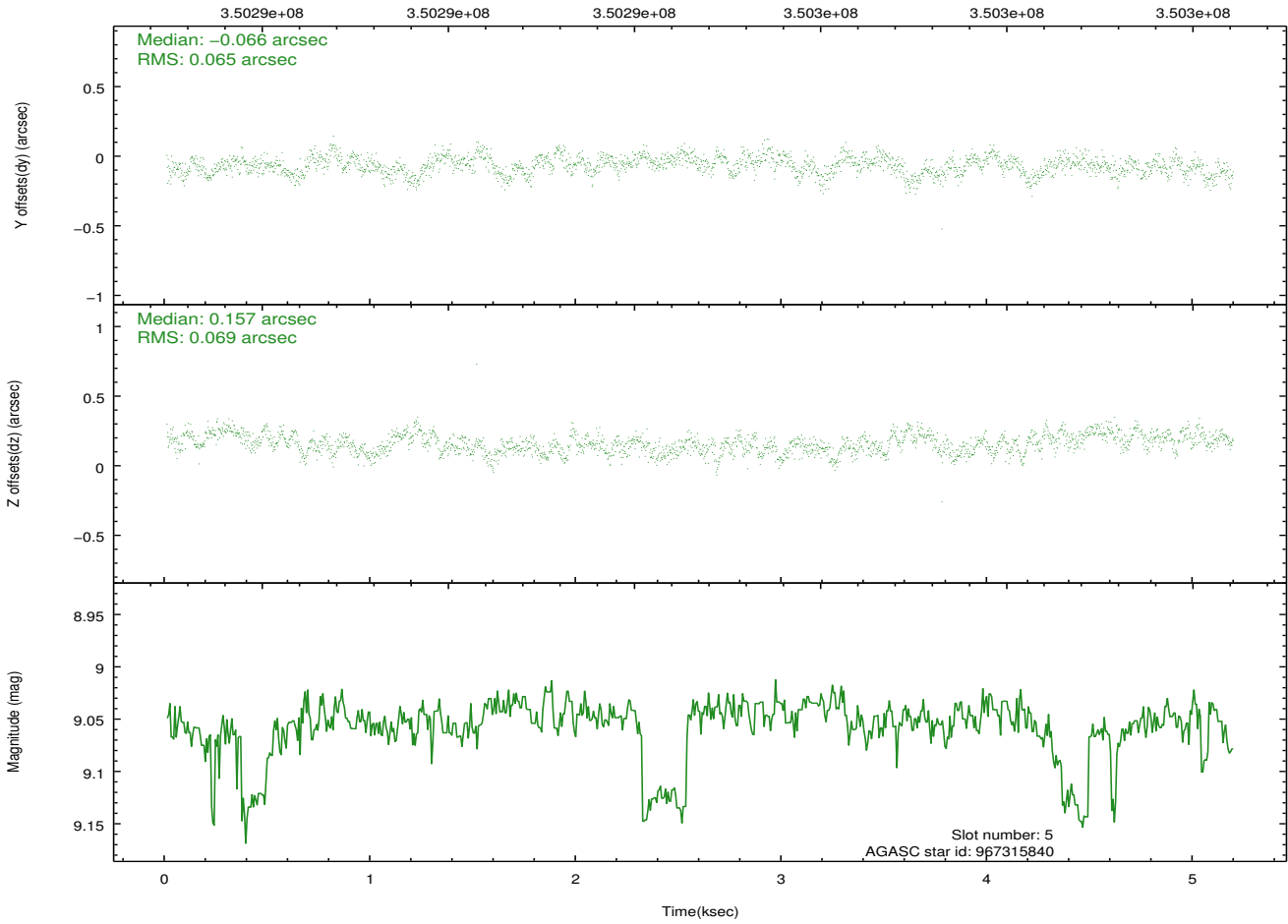
### 2.4.2 Slot 4



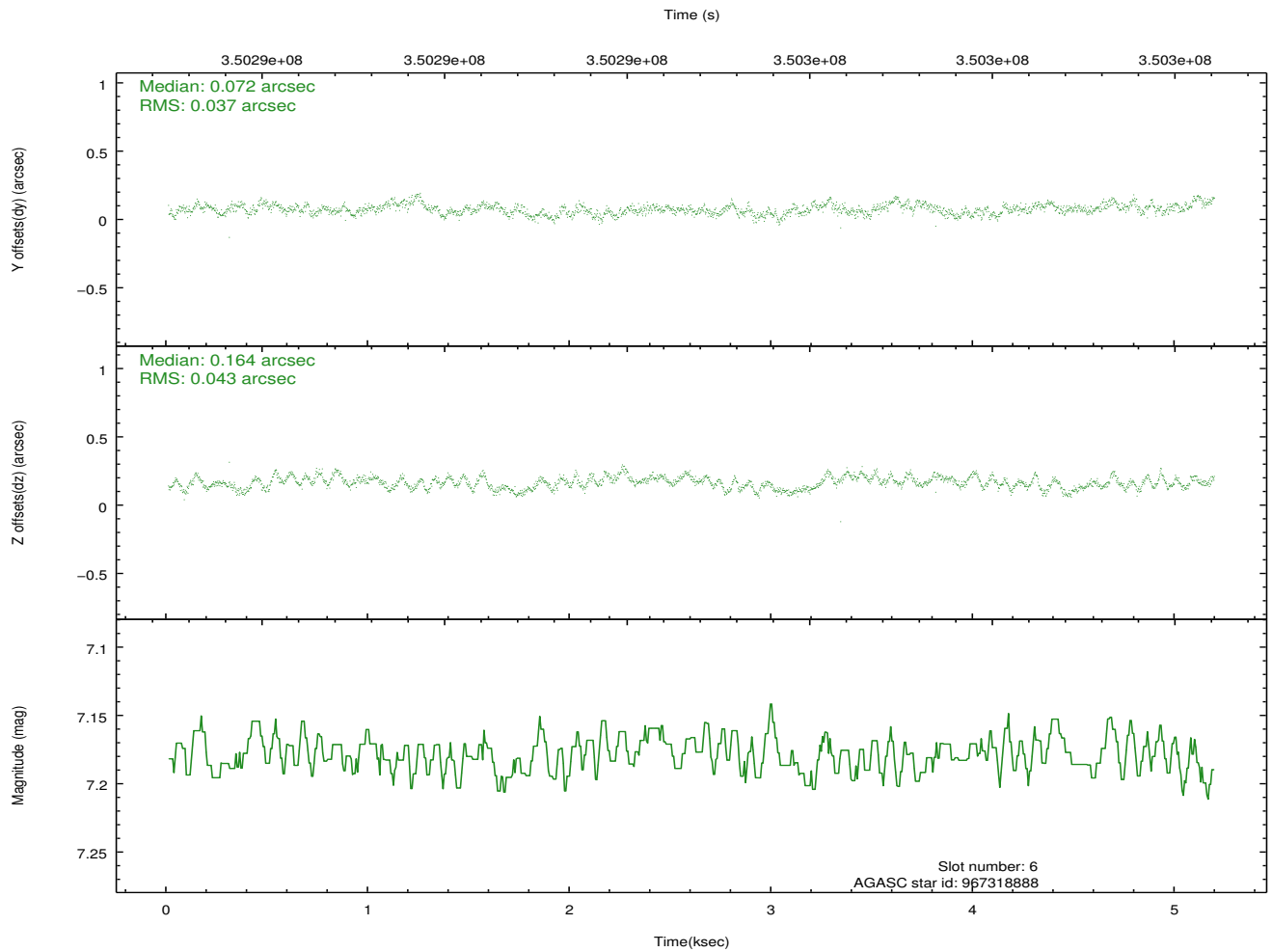
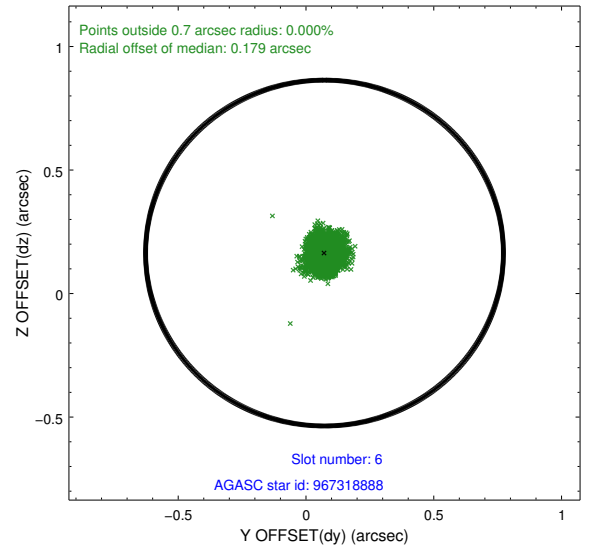
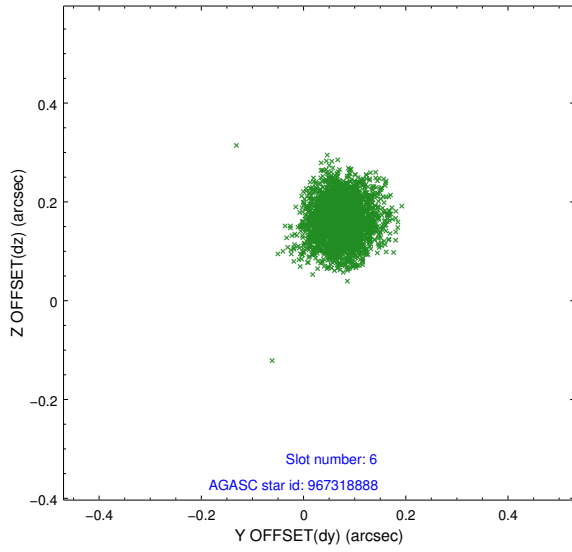
### 2.4.3 Slot 5



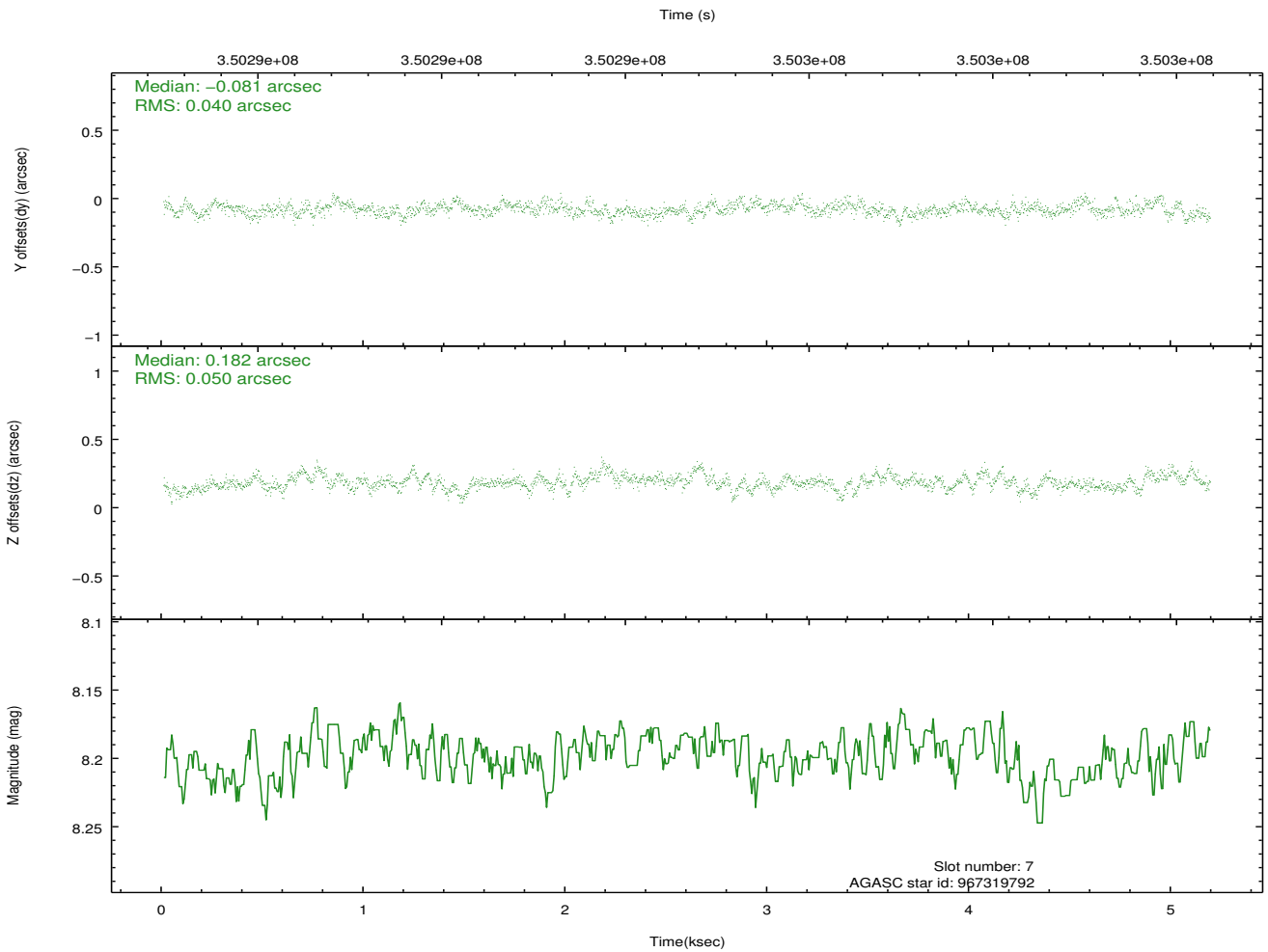
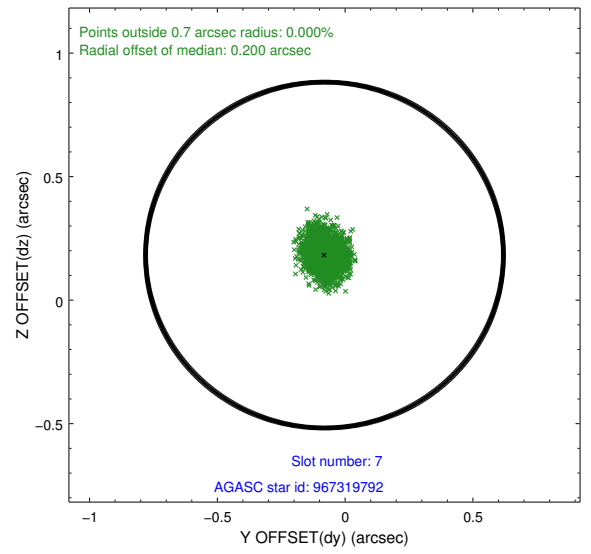
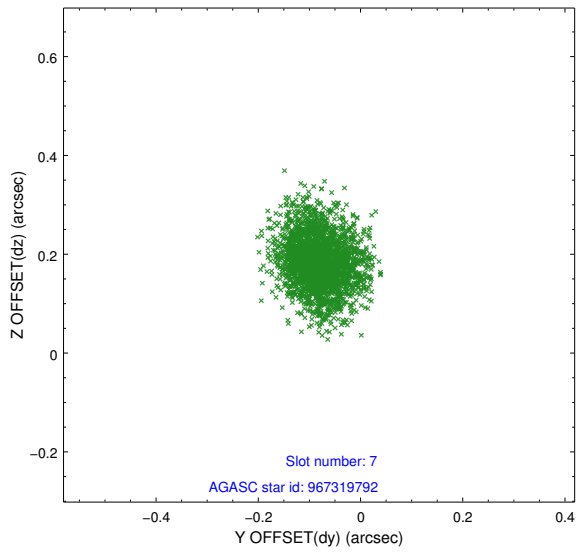
Time (s)



### 2.4.4 Slot 6

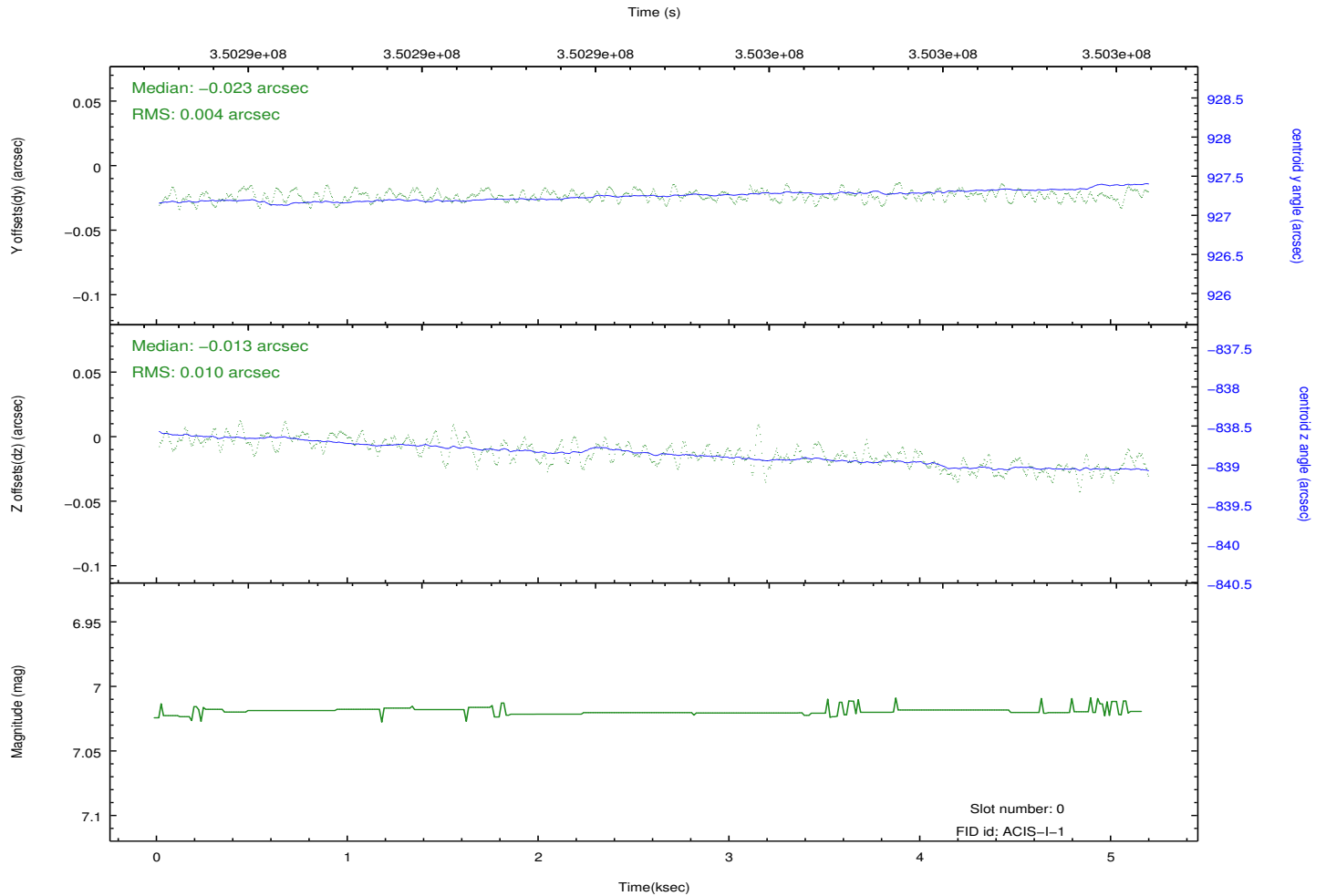
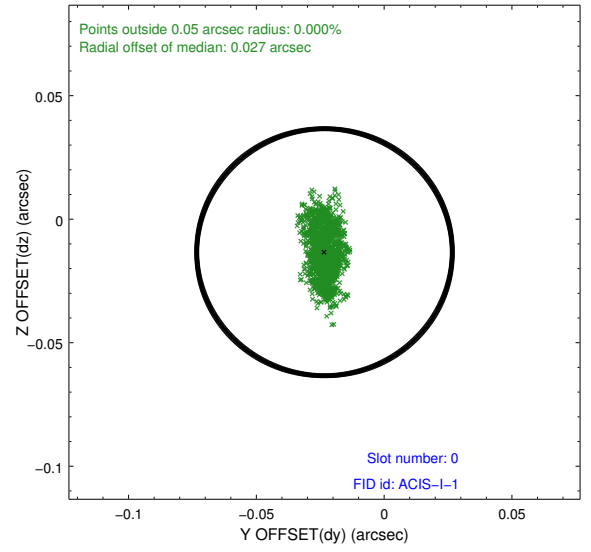
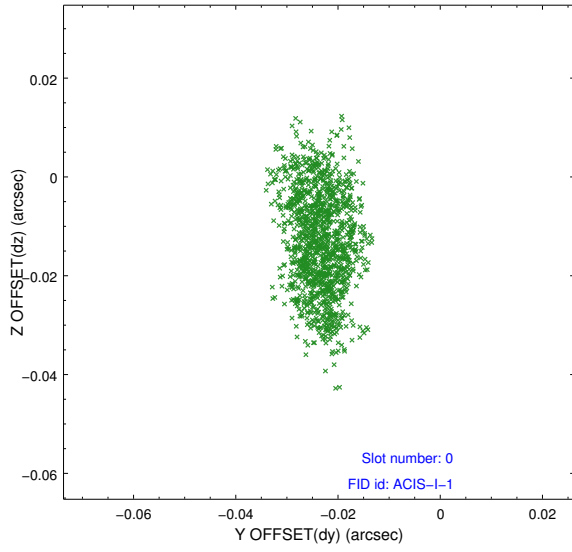


### 2.4.5 Slot 7

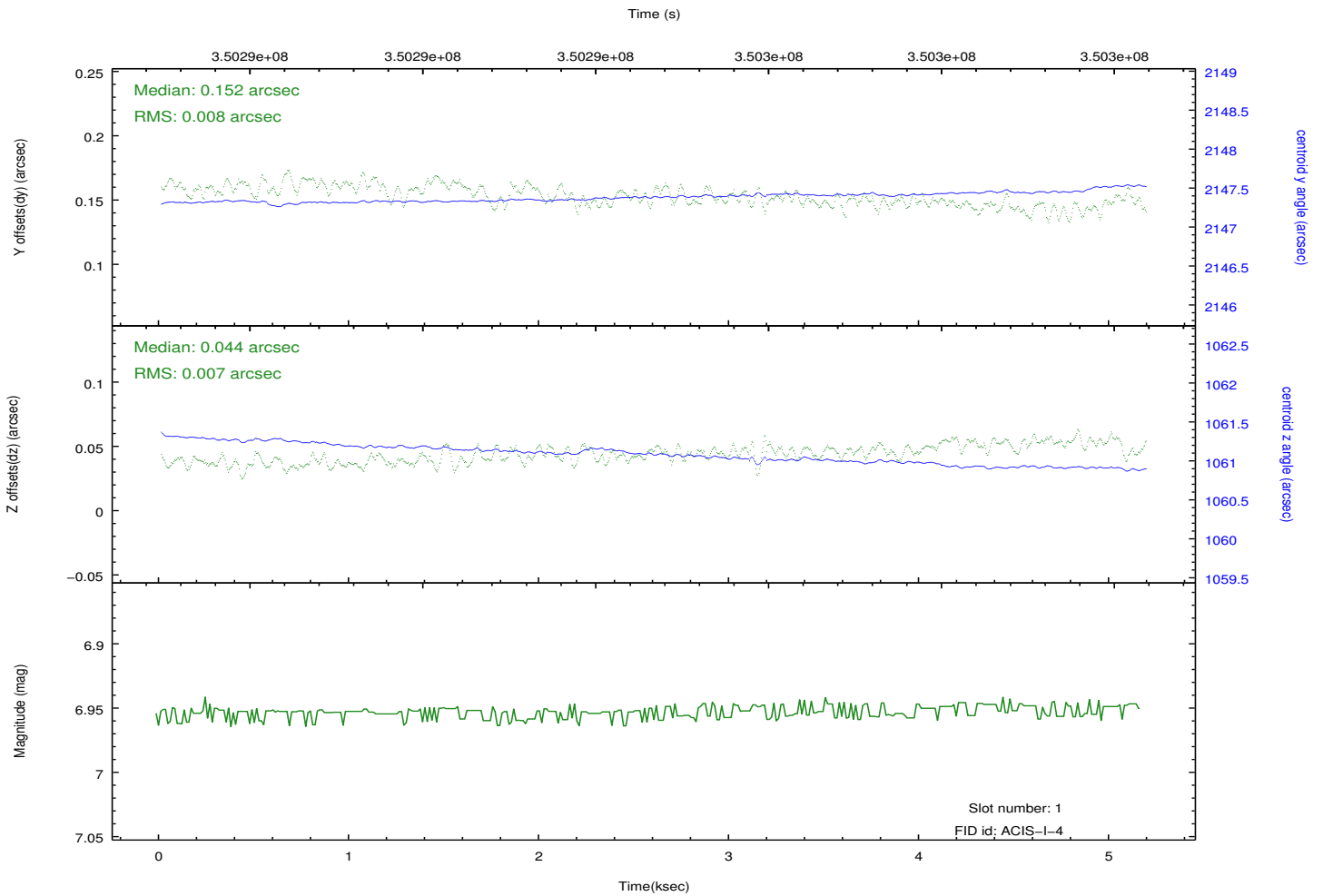
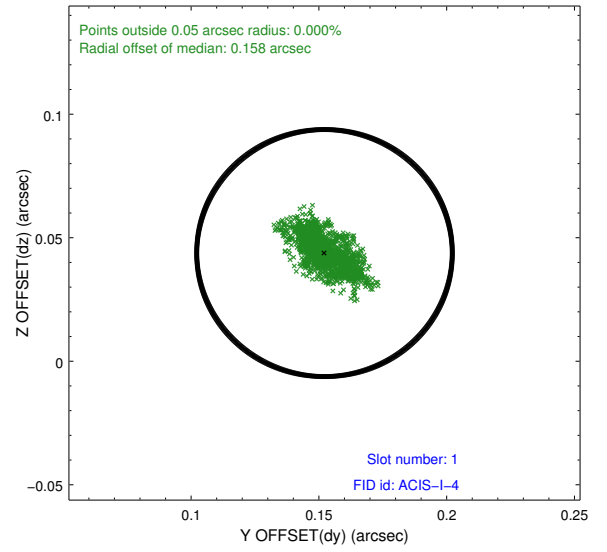
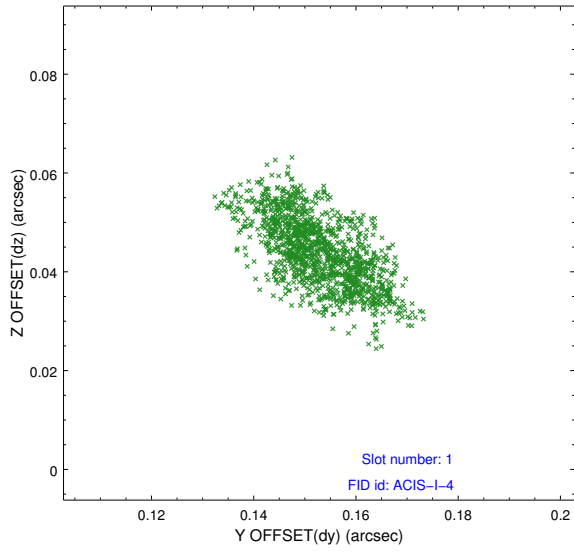


## 2.5 FID Slots

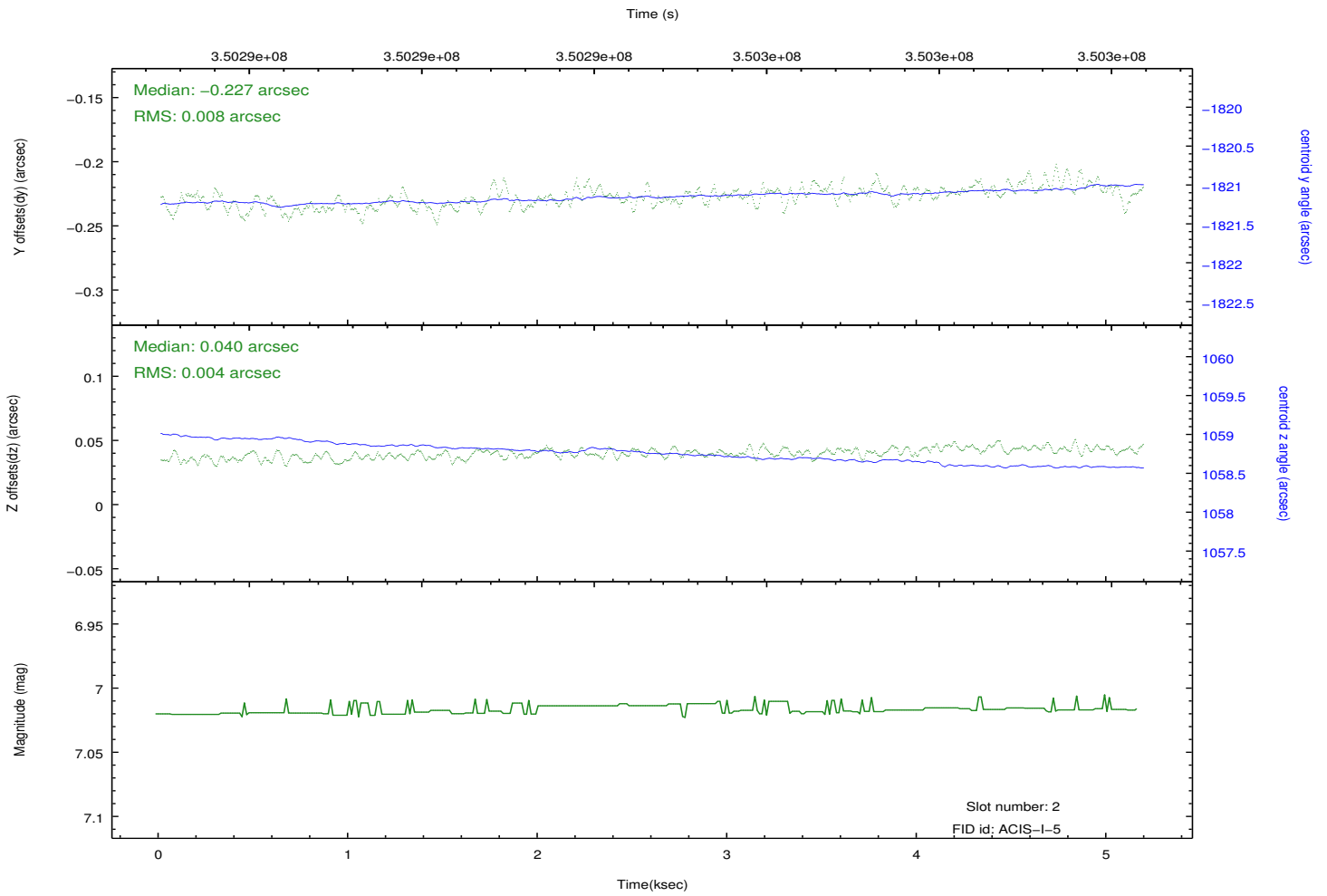
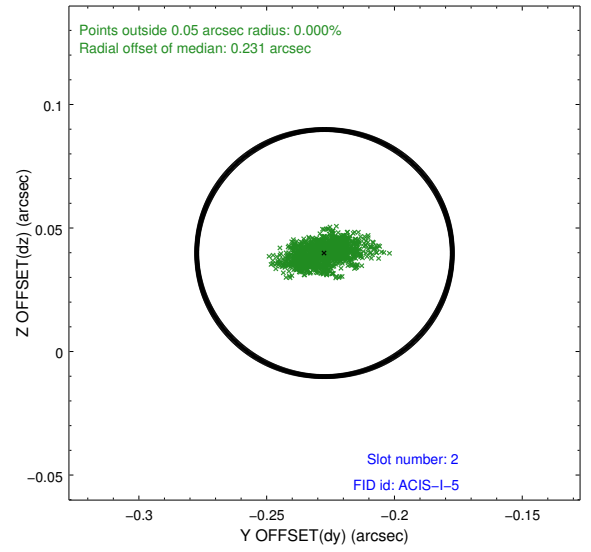
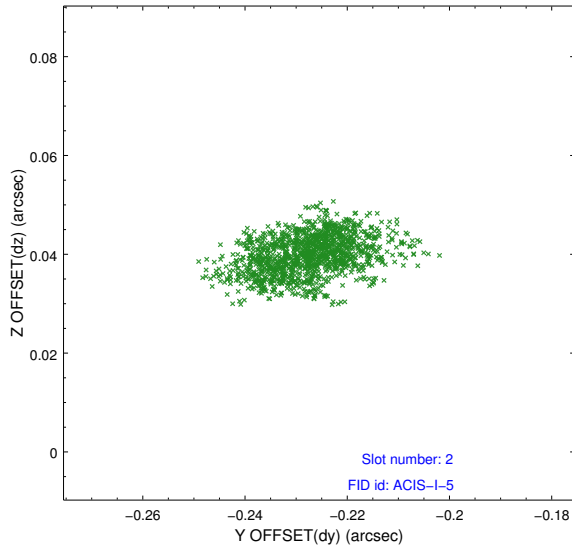
### 2.5.1 Slot 0



## 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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.75199998

## A.2 Comments

Joint Proposal: NOAO