

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8468 - L2 Version 2  
Chandra X-Ray Center

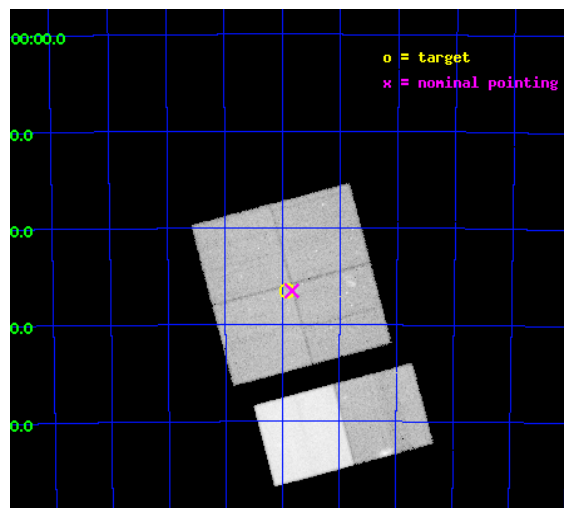
L2 Processing Date : Apr 27 2012

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# 1 Front

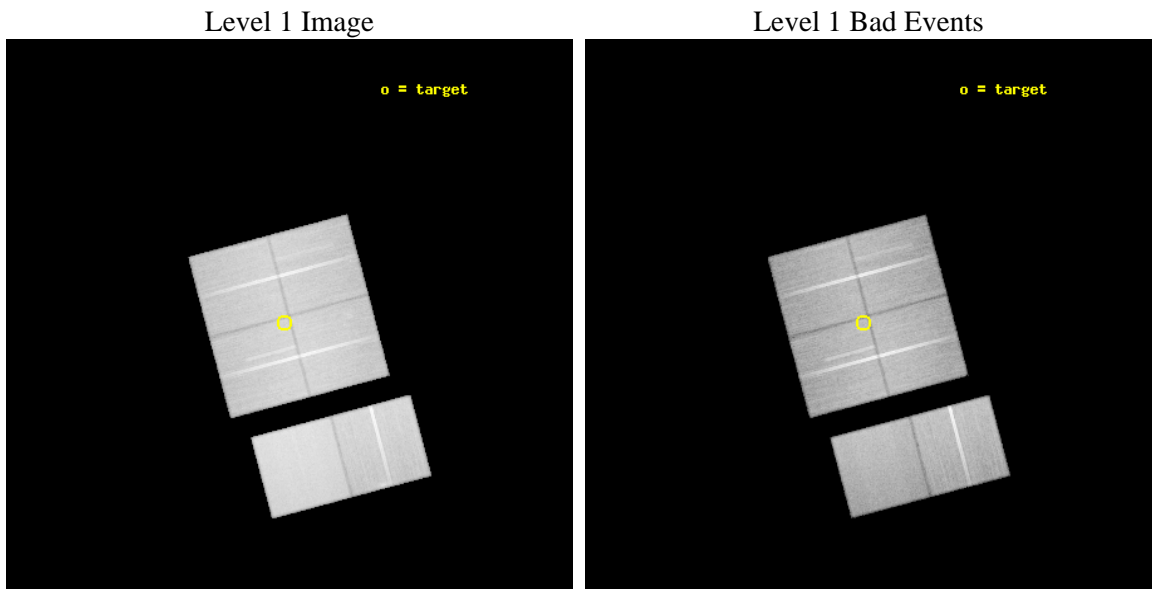
seq_num	600646	Sequence number
obs_id	8468	Observation id
title	Massive Star Formation and Energy Feedback in the Starburst Region N11	Proposal title
observer	Prof. You-Hua Chu	Principal investigator
object	LHA 120-N 11	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	73.979167	Observer's specified target RA [deg]
dec_targ	-66.441667	Observer's specified target Dec [deg]
ra_nom	73.958972624293	Nominal RA [deg]
dec_nom	-66.44200105361	Nominal Dec [deg]
roll_nom	165.09138245626	Nominal Roll [deg]
revision	2	Processing version of data
ontime	47990.025364995	Sum of GTIs [s]
livetime	47382.346767699	Livetime [s]
ontime0	47986.661274731	Sum of GTIs [s]
ontime1	47989.943284988	Sum of GTIs [s]
ontime2	47986.743354619	Sum of GTIs [s]
ontime3	47990.025364995	Sum of GTIs [s]
ontime6	47983.625474453	Sum of GTIs [s]
ontime7	47990.066404998	Sum of GTIs [s]
l2events	515770	Number of level 2 events



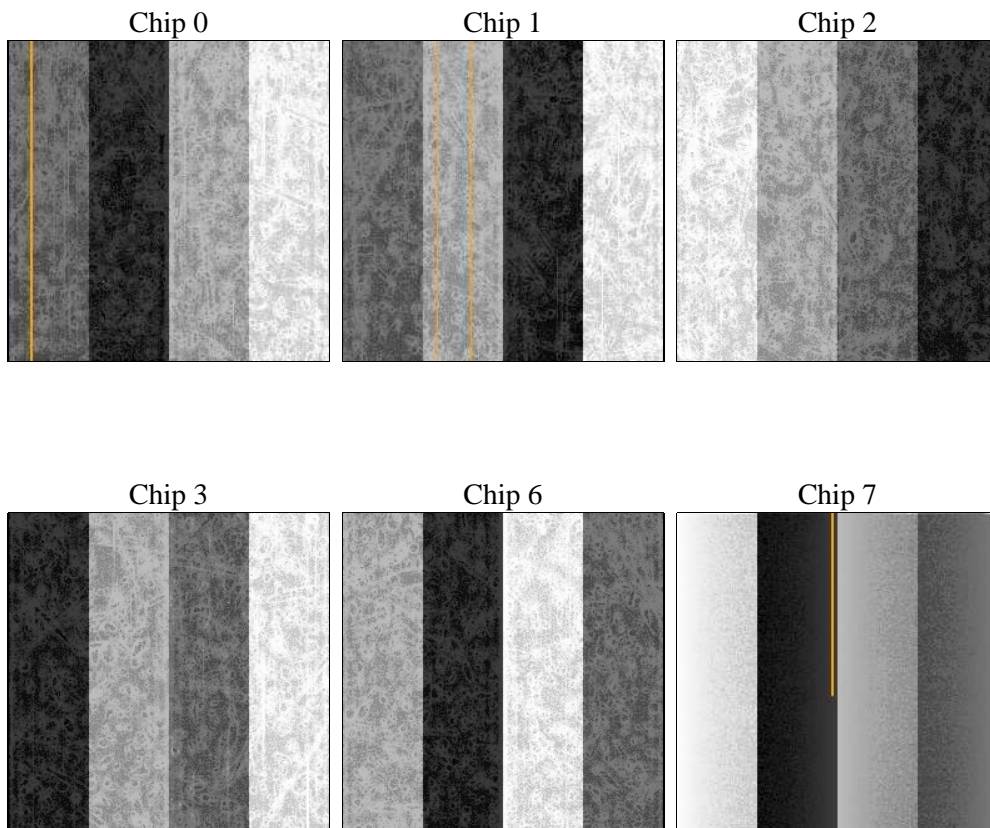
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	48000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	47990.025364995	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime0	47986.661274731	Sum of GTIs [s]
date	2012-04-27T02:53:41	Date and time of file creation	ontime1	47989.943284988	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	47986.743354619	Sum of GTIs [s]
			ontime3	47990.025364995	Sum of GTIs [s]
			ontime6	47983.625474453	Sum of GTIs [s]
			ontime7	47990.066404998	Sum of GTIs [s]
			l1events	2926753	Number of level 1 events

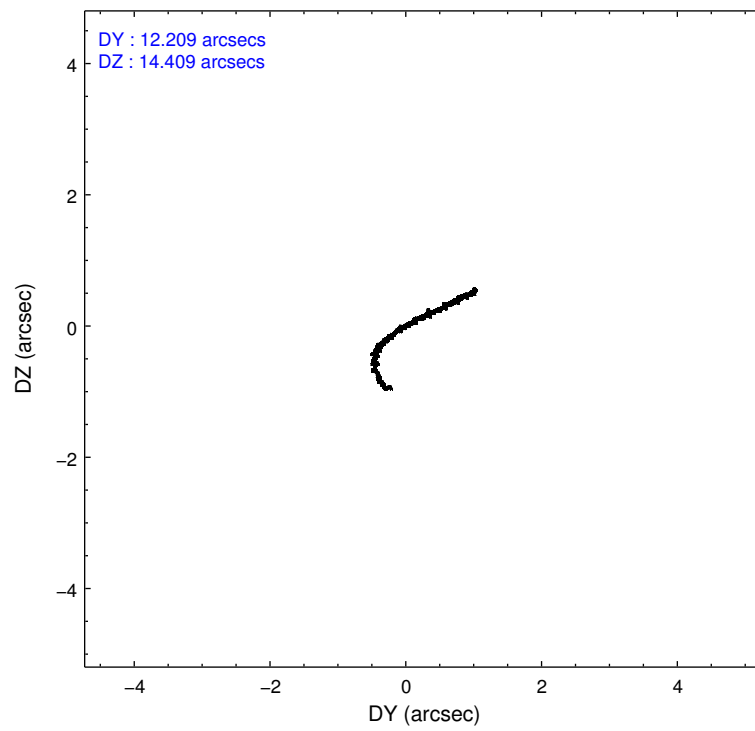
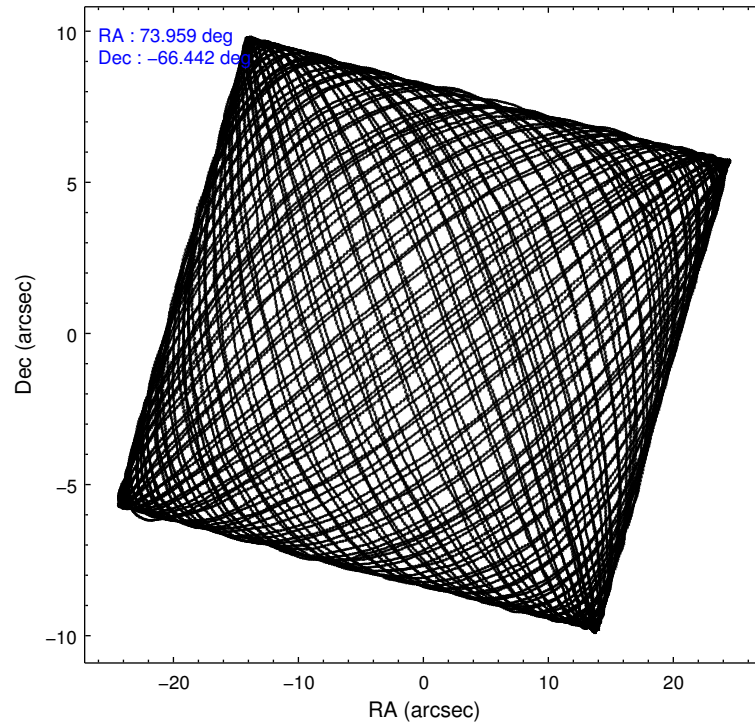
### 2.1.4 Events

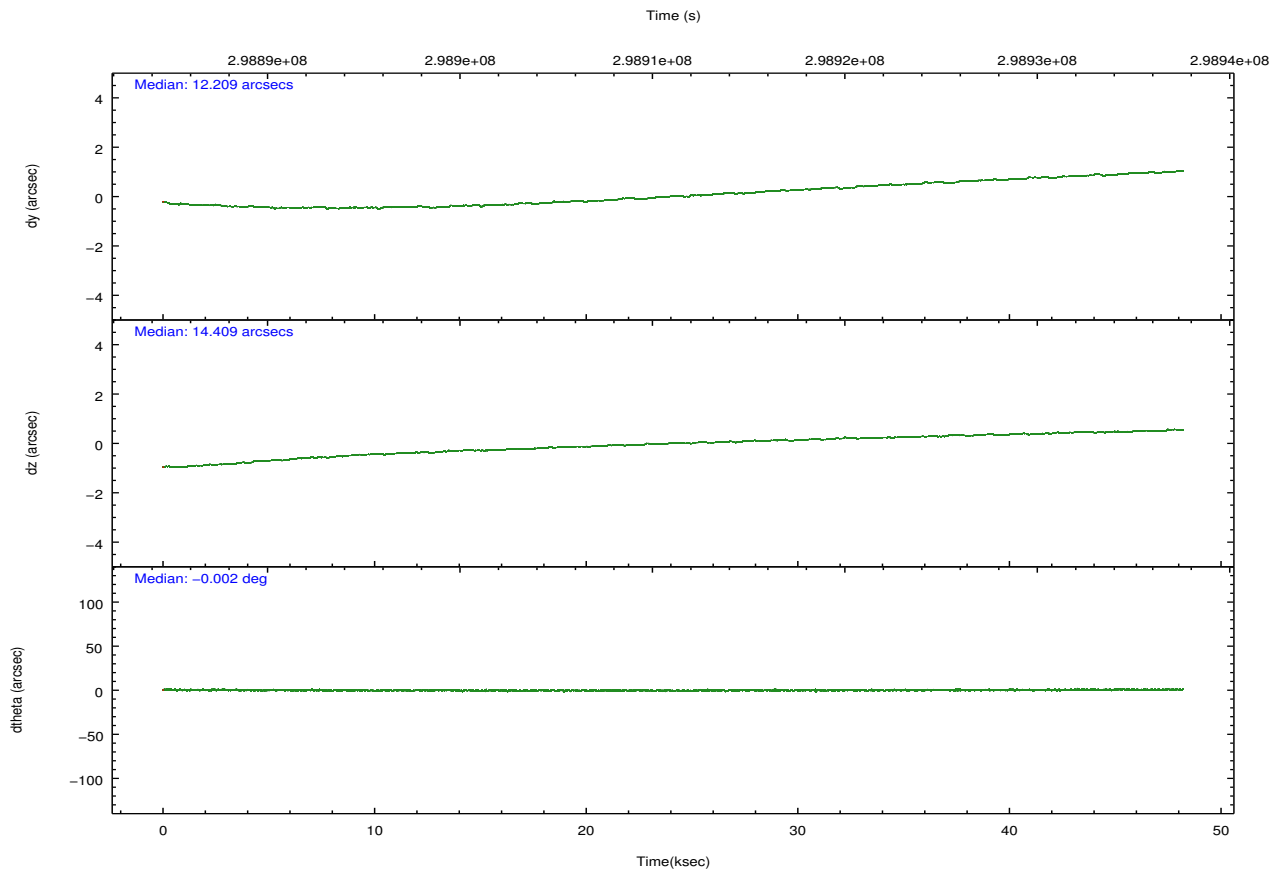
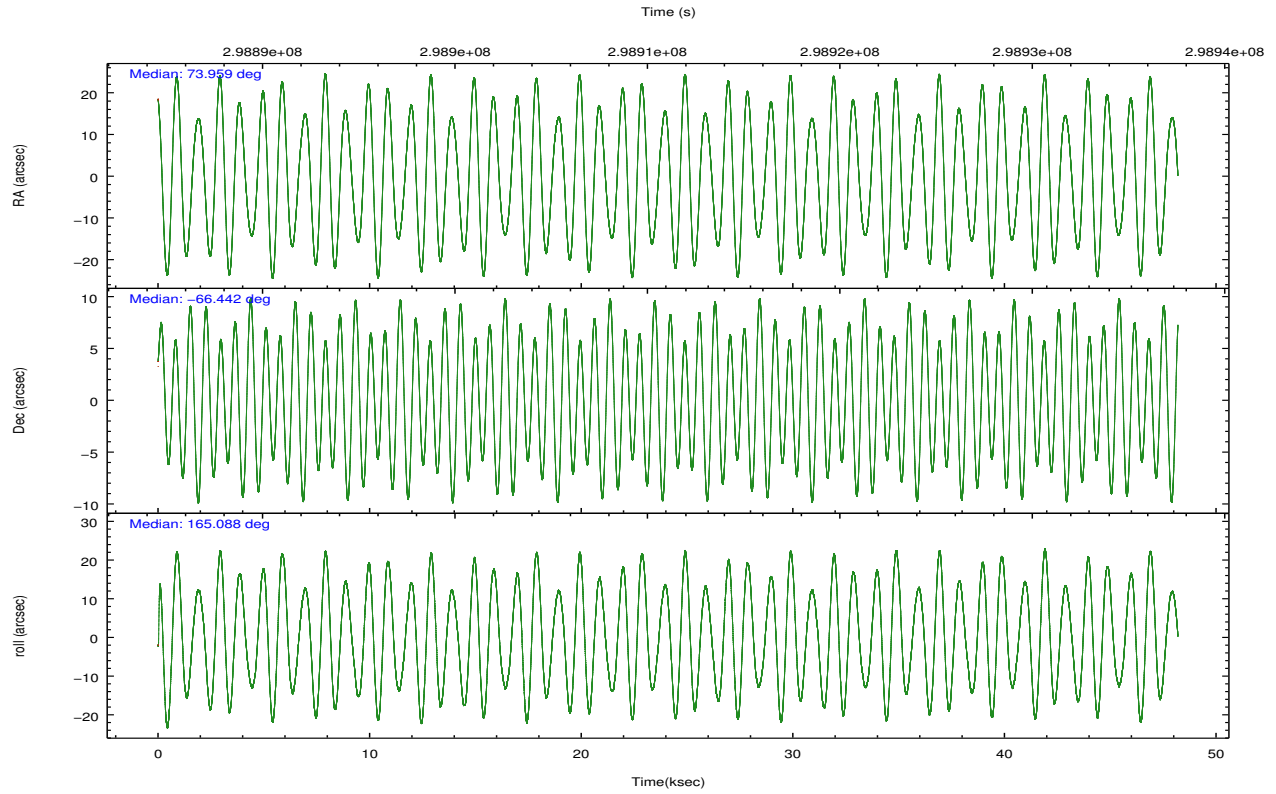
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	430675	432884	470157	465575	487818	639644	grade 0 events	25176	24101	26727	27112	23321	23781
rejected events	373157	372246	412822	407488	429501	370468		5%	5%	5%	5%	4%	3%
rejected %	86%	85%	87%	87%	88%	57%	grade 1 events	277	247	305	352	246	629
								0%	0%	0%	0%	0%	0%
							grade 2 events	12423	13860	11728	10964	12698	54880
								2%	3%	2%	2%	2%	8%
							grade 3 events	5252	5574	5061	5256	5402	22845
								1%	1%	1%	1%	1%	3%
							grade 4 events	5042	5512	5004	5186	5230	22497
								1%	1%	1%	1%	1%	3%
							grade 5 events	18629	19976	17689	21278	21669	59339
								4%	4%	3%	4%	4%	9%
							grade 6 events	9629	11597	8820	9575	11673	145216
								2%	2%	1%	2%	2%	22%
							grade 7 events	354247	352017	394823	385852	407579	310457
								82%	81%	83%	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	74.025297	73.95897262429287	CCD I2 on	Y	Y
[deg] Pointing Dec	-66.434729	-66.4420010536098	CCD I3 on	Y	Y
[deg] Pointing Roll	164.943498	165.091382456257	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)	298887175.184000	298886195.07648	CCD S5 on	N	N
Observation start date	2007-06-22T08:11:50	2007-06-22T07:56:35	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	298935175.184000	298935919.87886	On-chip summing requested	N	N
Observation end date	2007-06-22T21:31:50	2007-06-22T21:45:19	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

## 2.3 Aspect



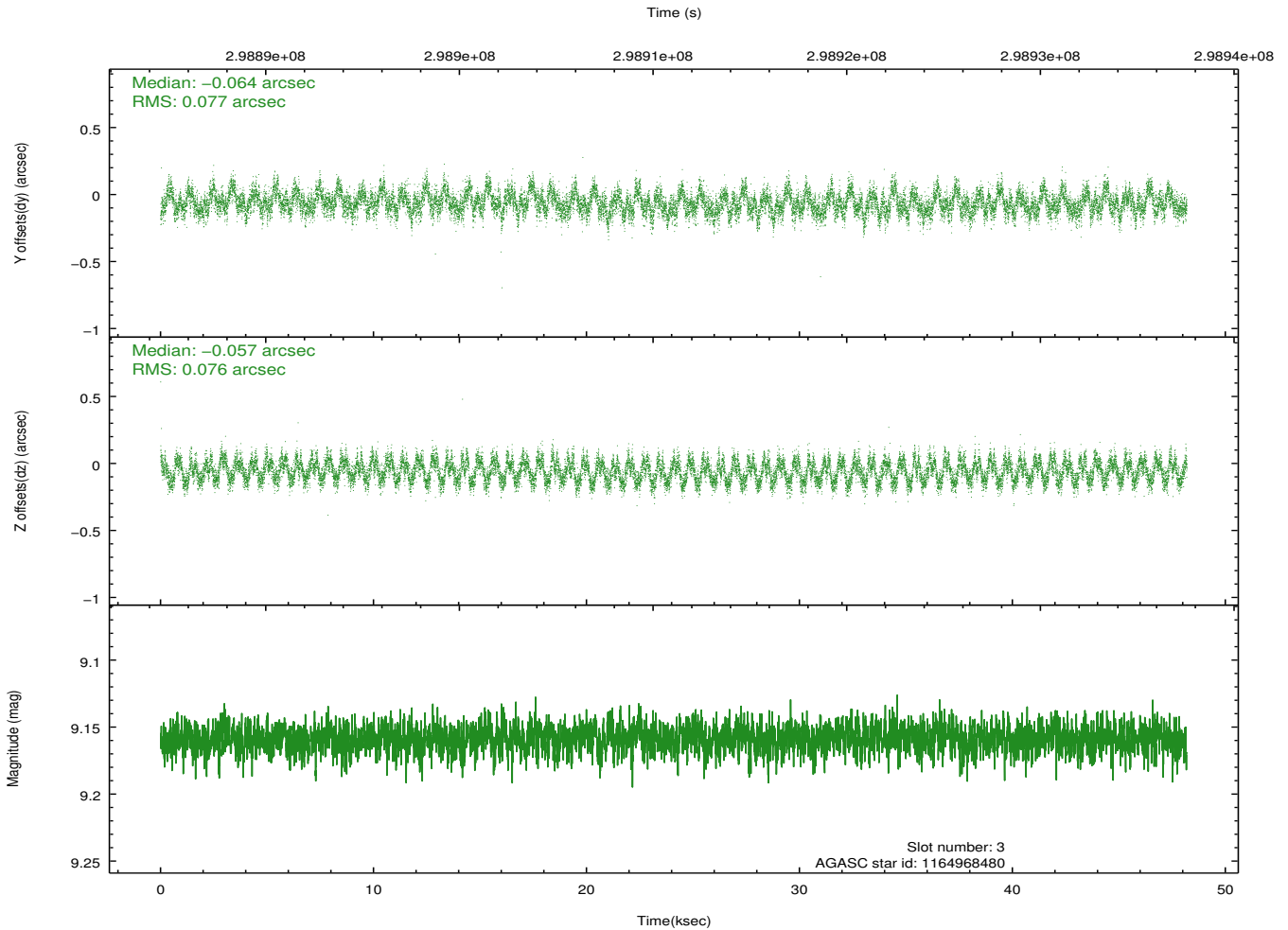
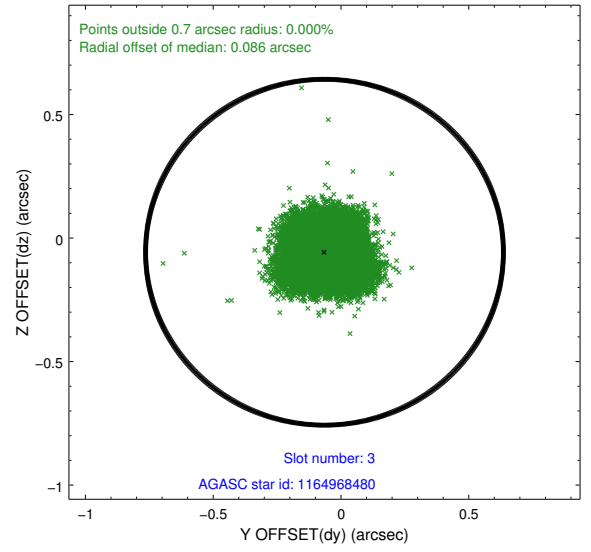
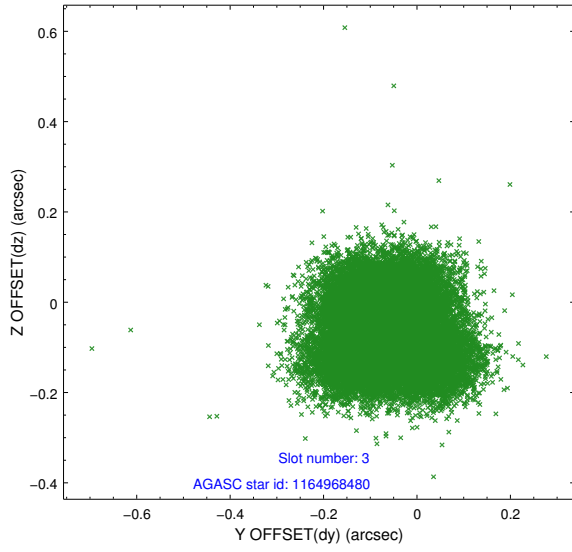


### Slot Statistics

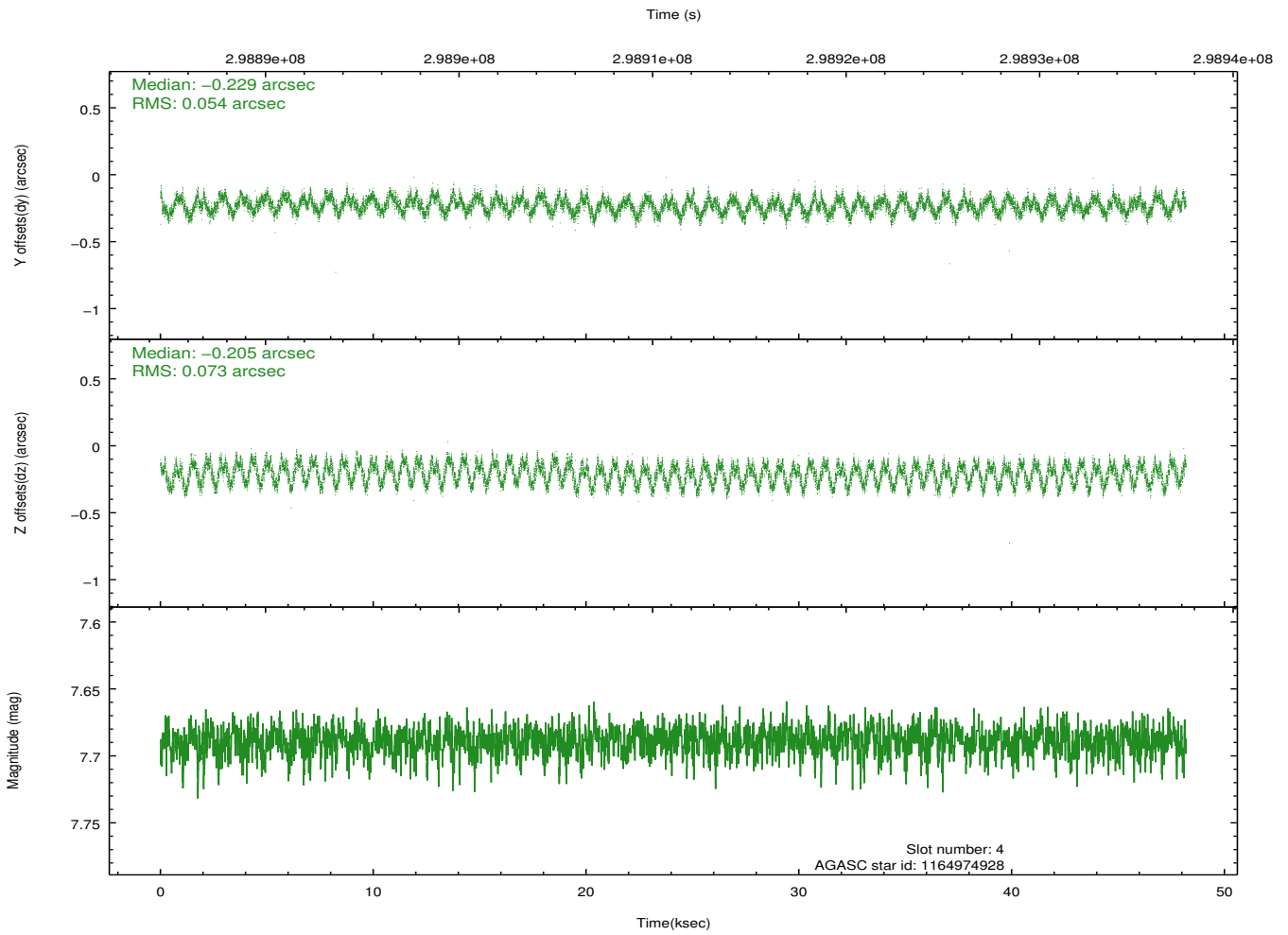
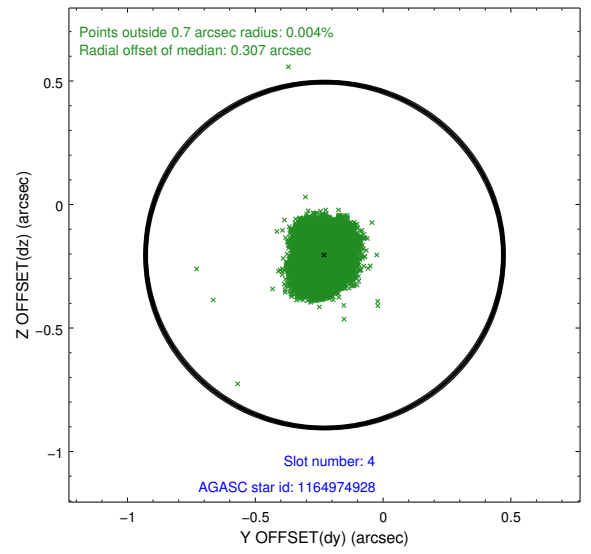
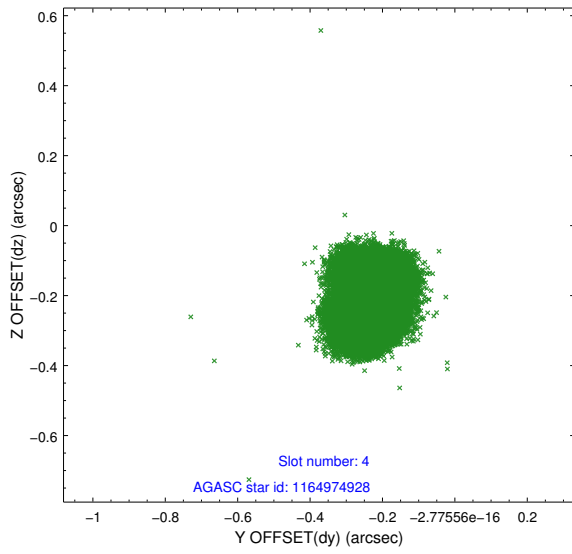
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	11754	0.029	0.001	0.015	0.030	0.000000	0.000000	927.26	-837.92
1	FID	ACIS-I-5	7.23	11754	-0.204	0.036	0.012	0.021	0.000000	0.000000	-1821.10	1059.60
2	FID	ACIS-I-6	7.24	11755	0.084	0.035	0.016	0.027	0.000000	0.000000	392.85	1704.10
3	GUIDE	1164968480	9.16	23494	-0.064	-0.057	0.117	0.181	72.282043	-66.561249	2283.07	1122.12
4	GUIDE	1164974928	7.69	23507	-0.229	-0.205	0.100	0.145	72.355624	-66.830232	1905.52	2019.79
5	GUIDE	1165102224	9.53	23489	0.041	0.263	0.127	0.208	75.124856	-66.013882	-1163.50	-1867.17
6	GUIDE	1165103200	9.13	23499	0.209	-0.044	0.131	0.193	74.569037	-66.260082	-598.07	-808.56
7	GUIDE	1165103840	9.74	23477	0.045	0.061	0.133	0.217	74.488651	-66.144068	-379.94	-1183.15

## 2.4 Star Slots

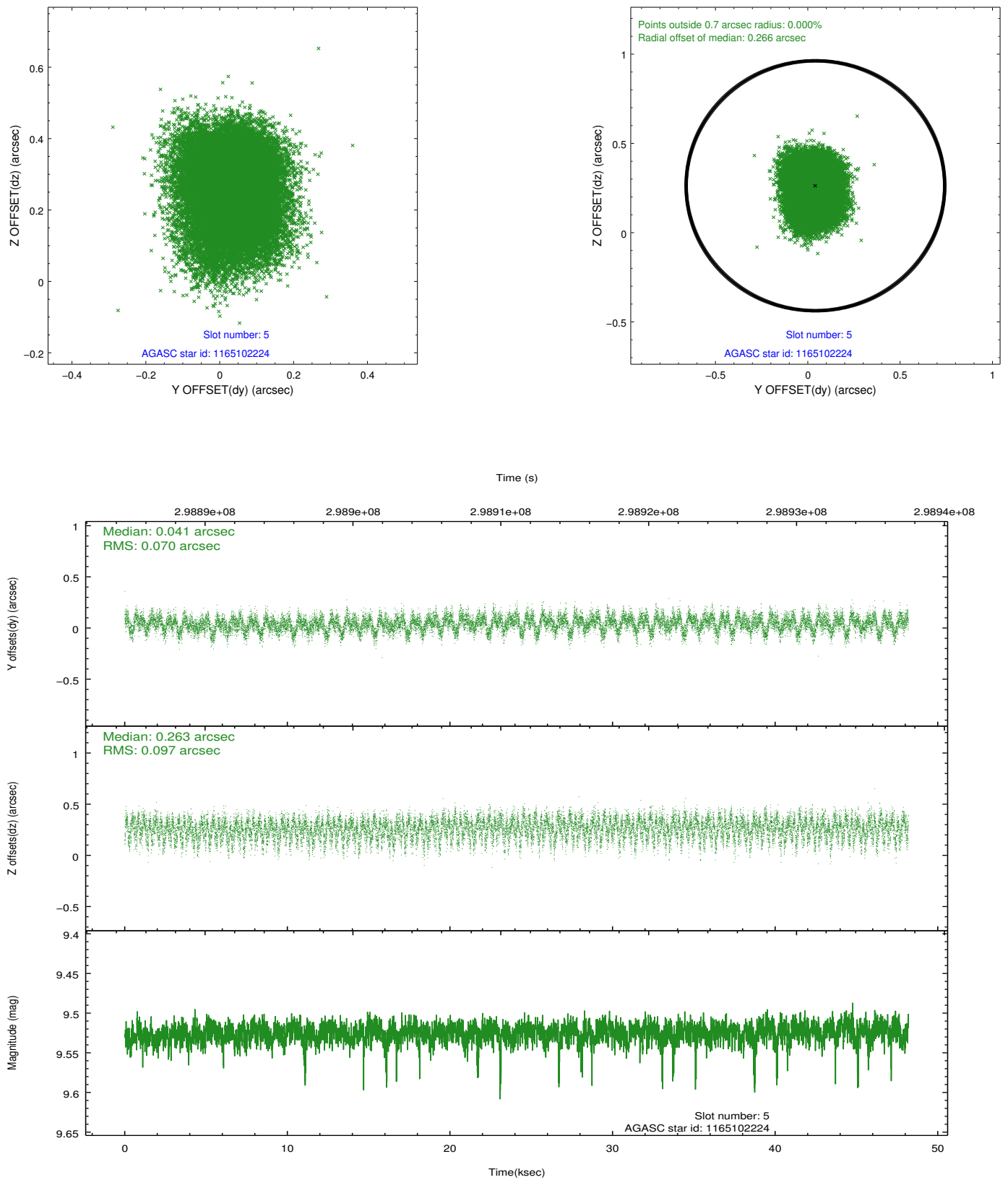
### 2.4.1 Slot 3



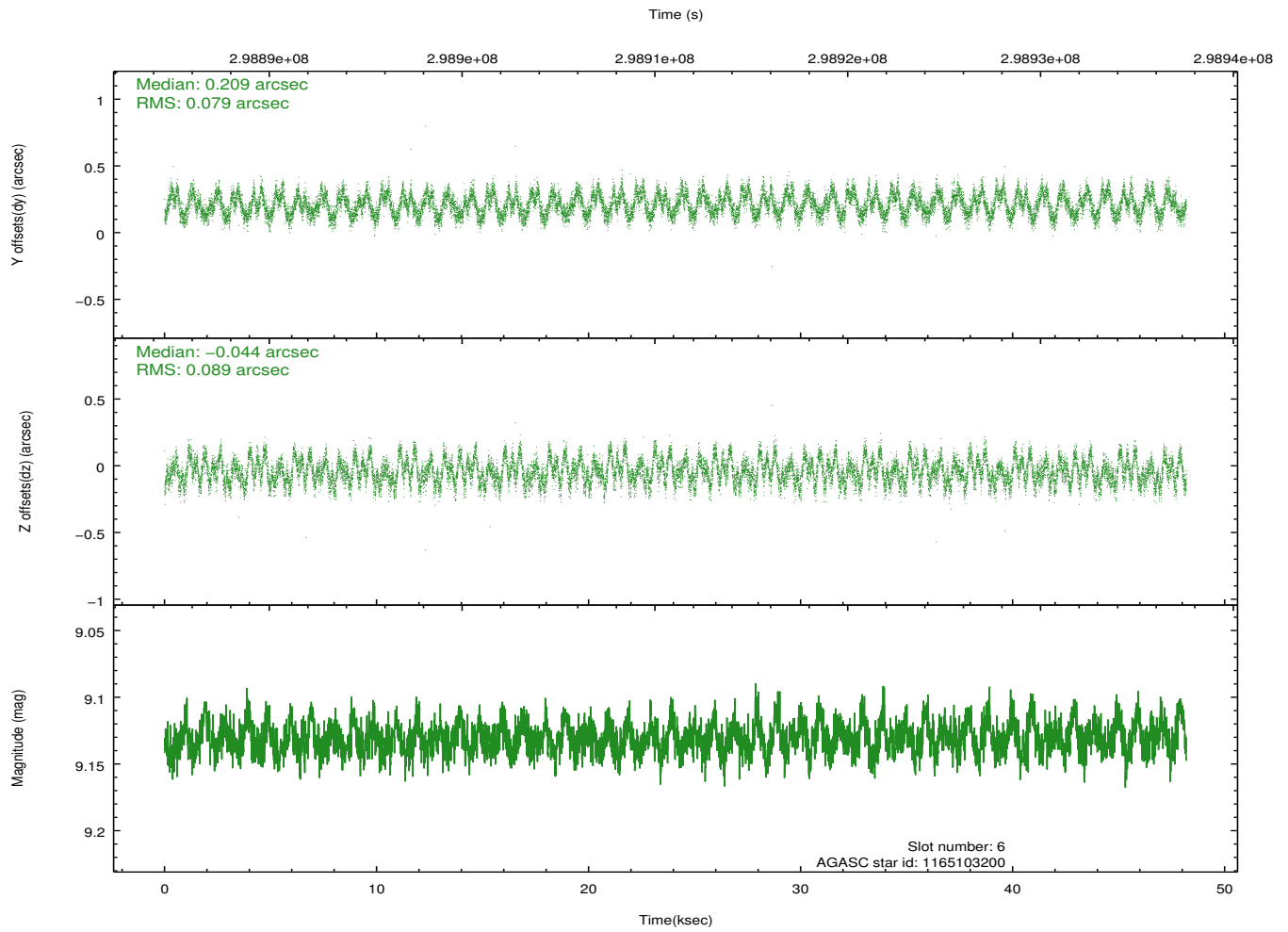
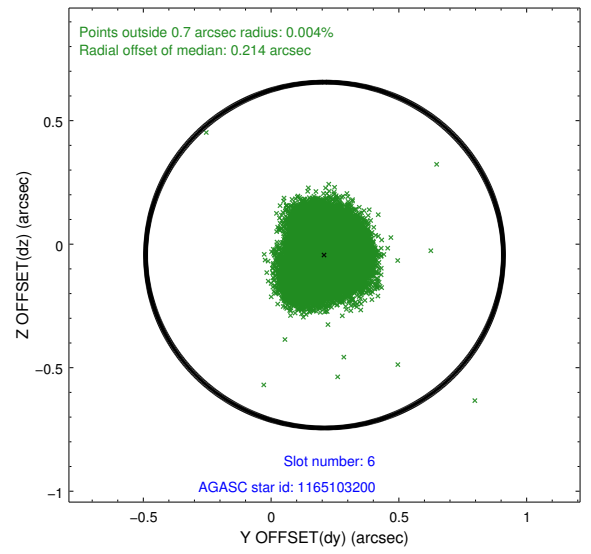
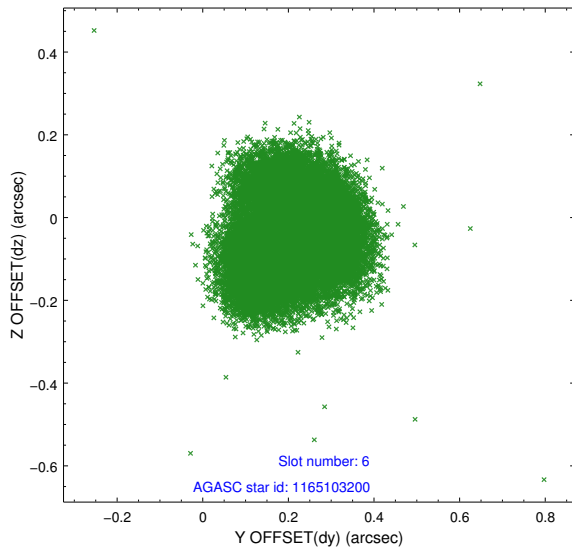
## 2.4.2 Slot 4



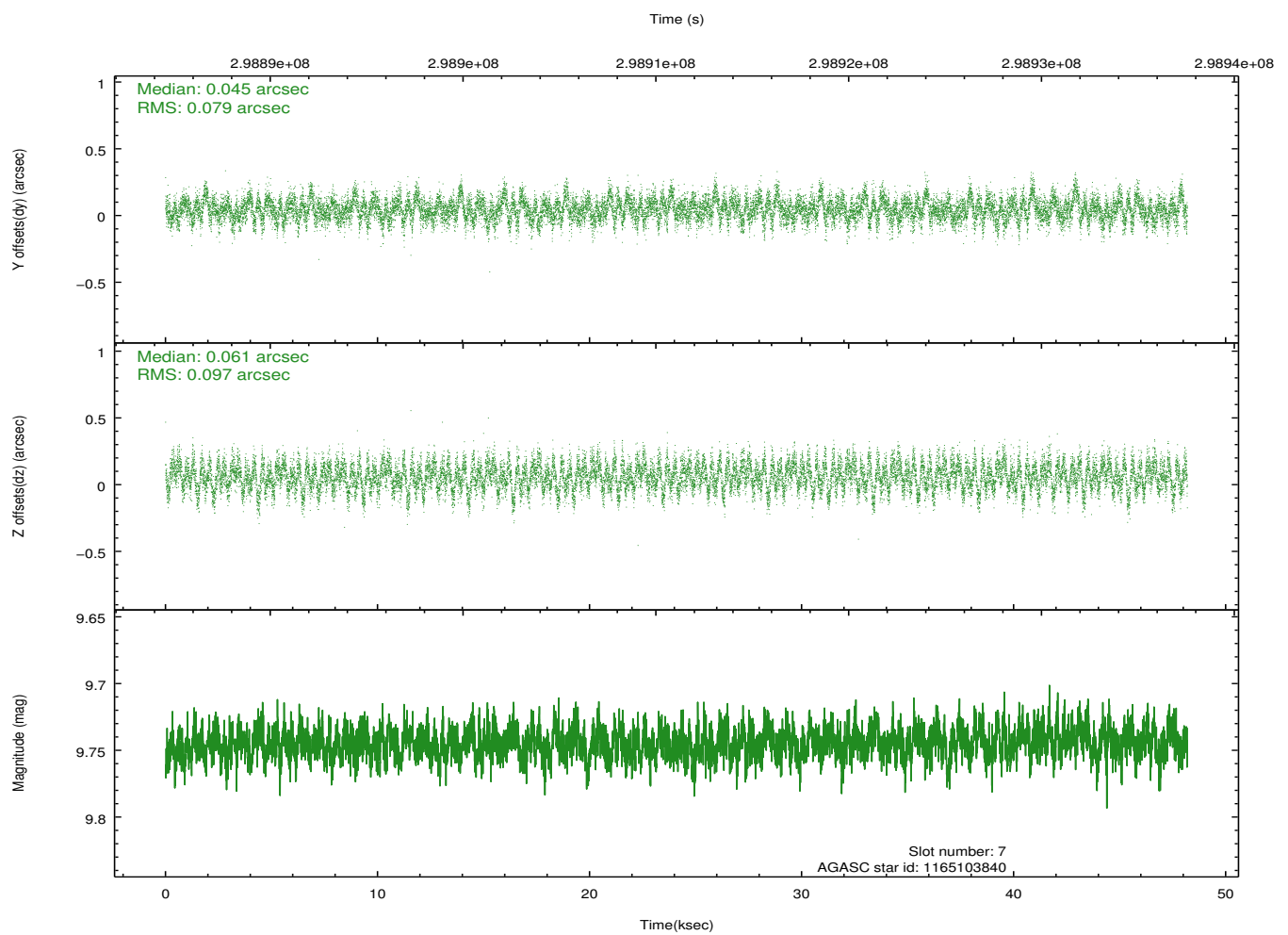
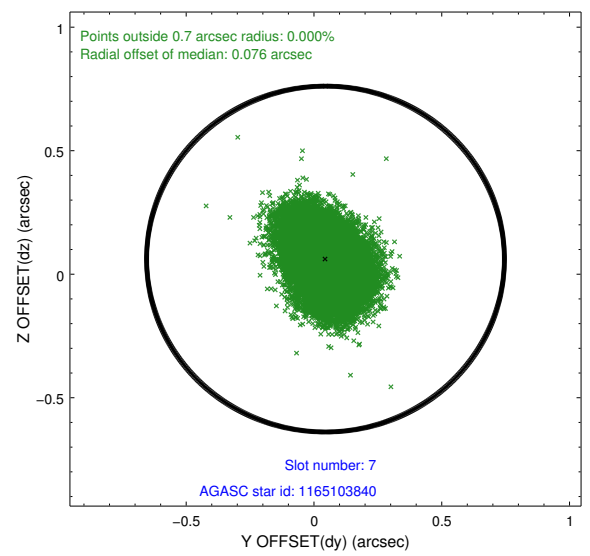
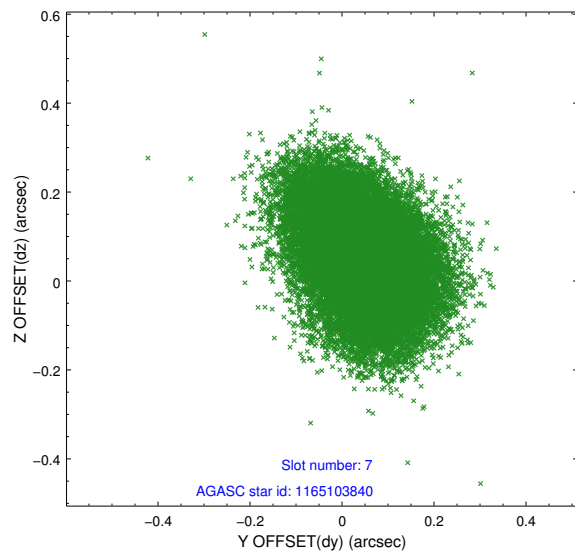
### 2.4.3 Slot 5



### 2.4.4 Slot 6

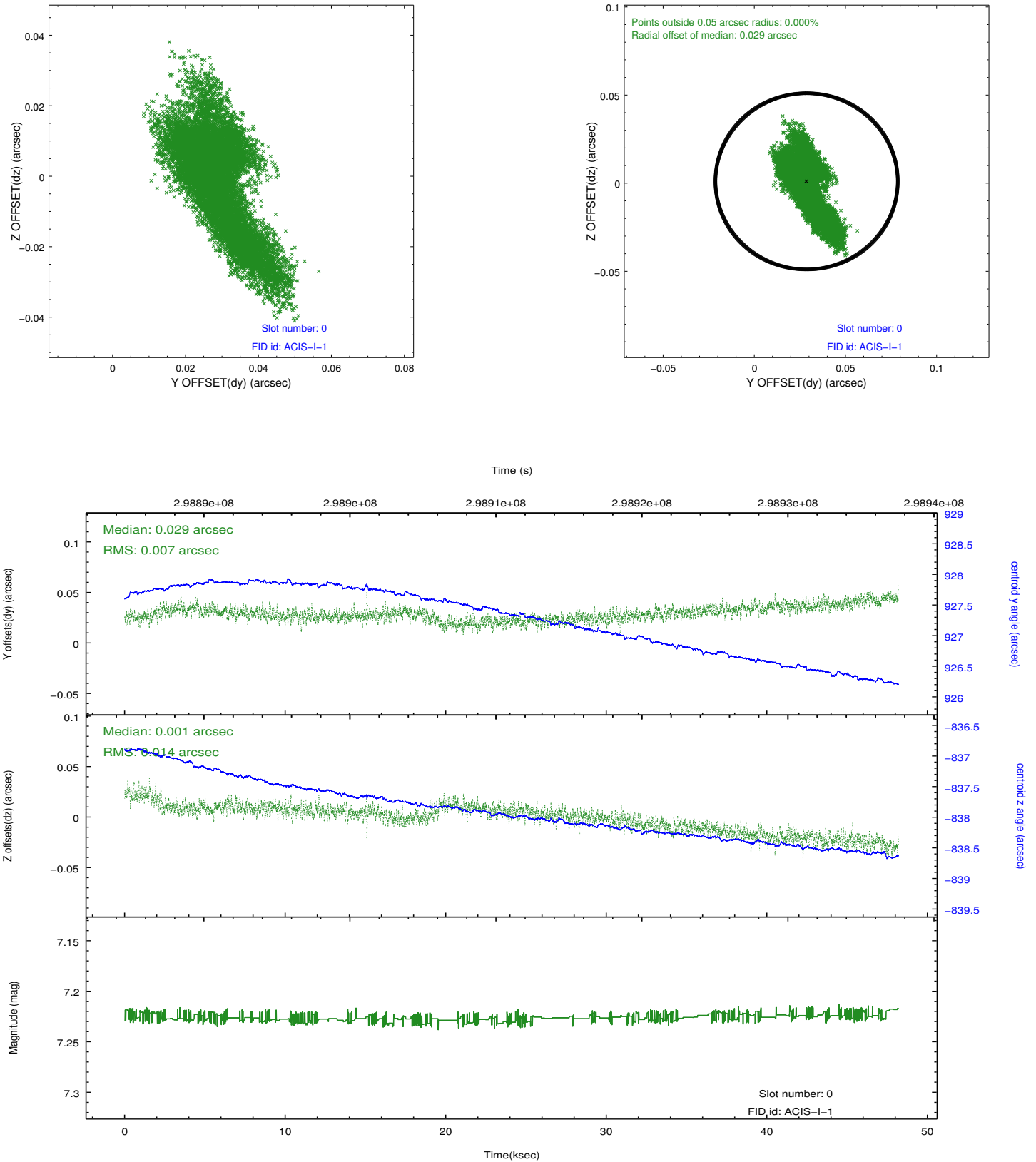


## 2.4.5 Slot 7

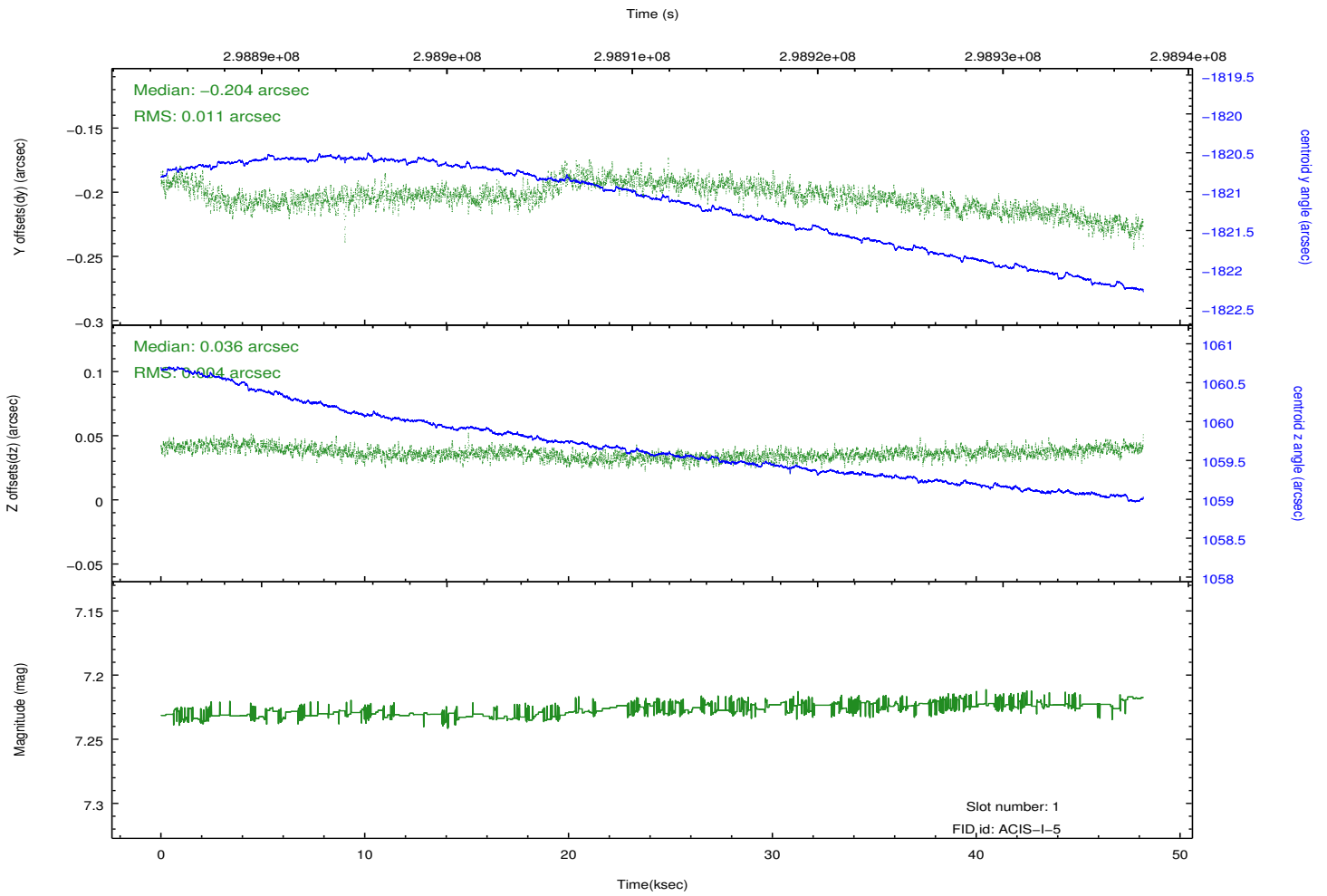
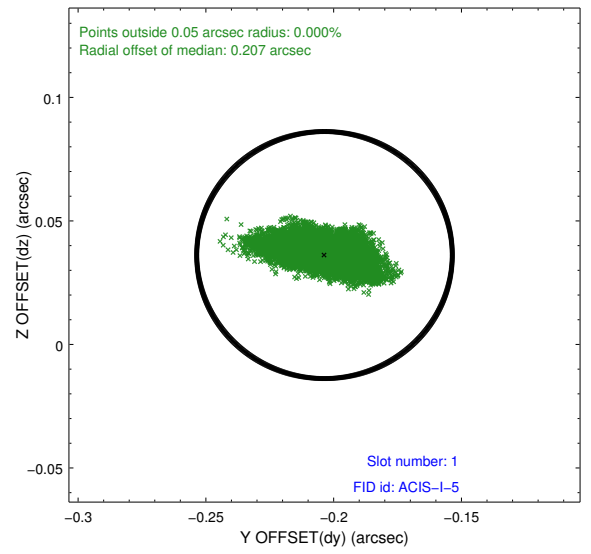
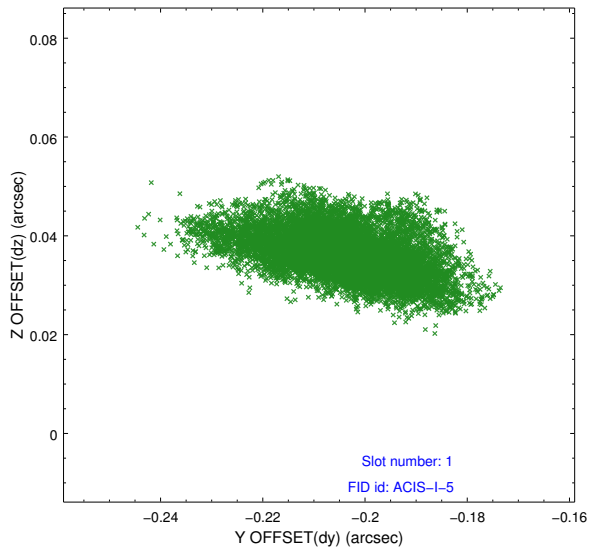


## 2.5 FID Slots

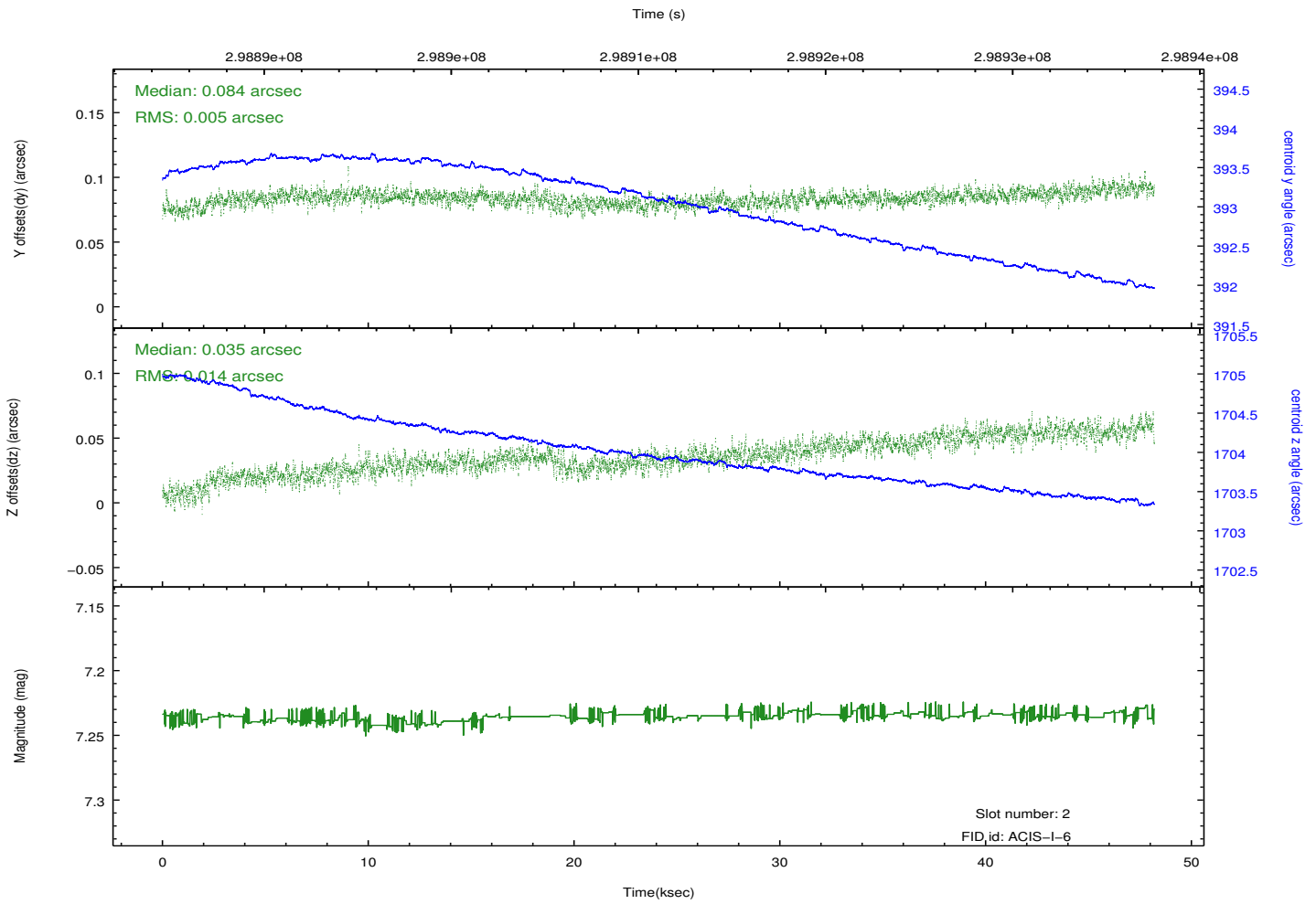
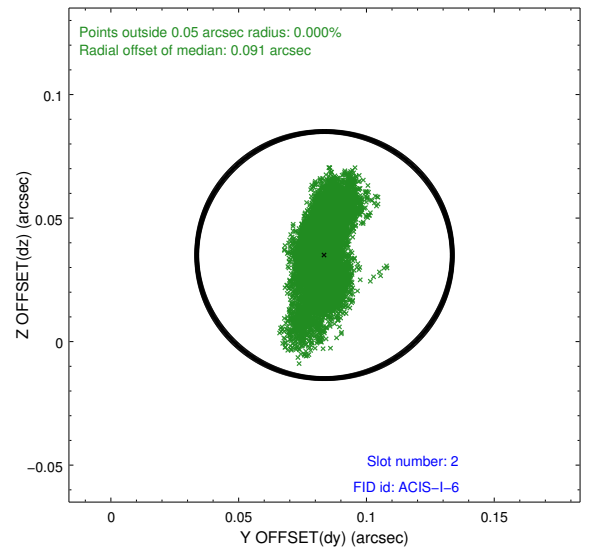
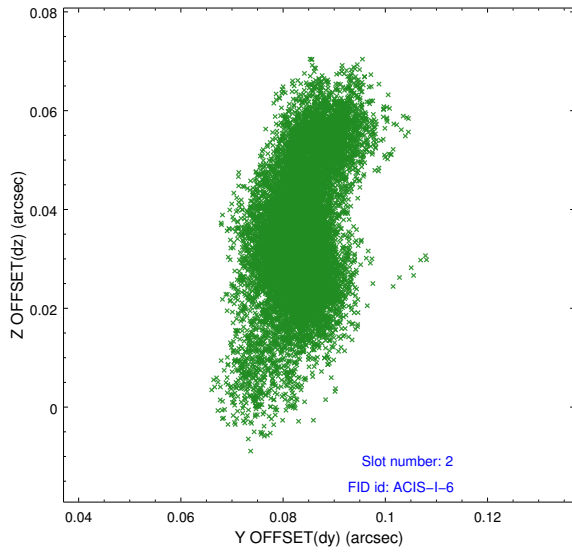
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.9903998

## A.2 Comments