

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8259 - L2 Version 2  
Chandra X-Ray Center

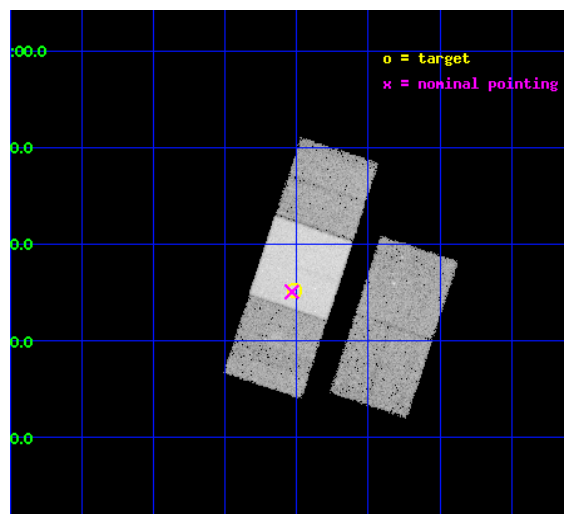
L2 Processing Date : May 9 2012

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# 1 Front

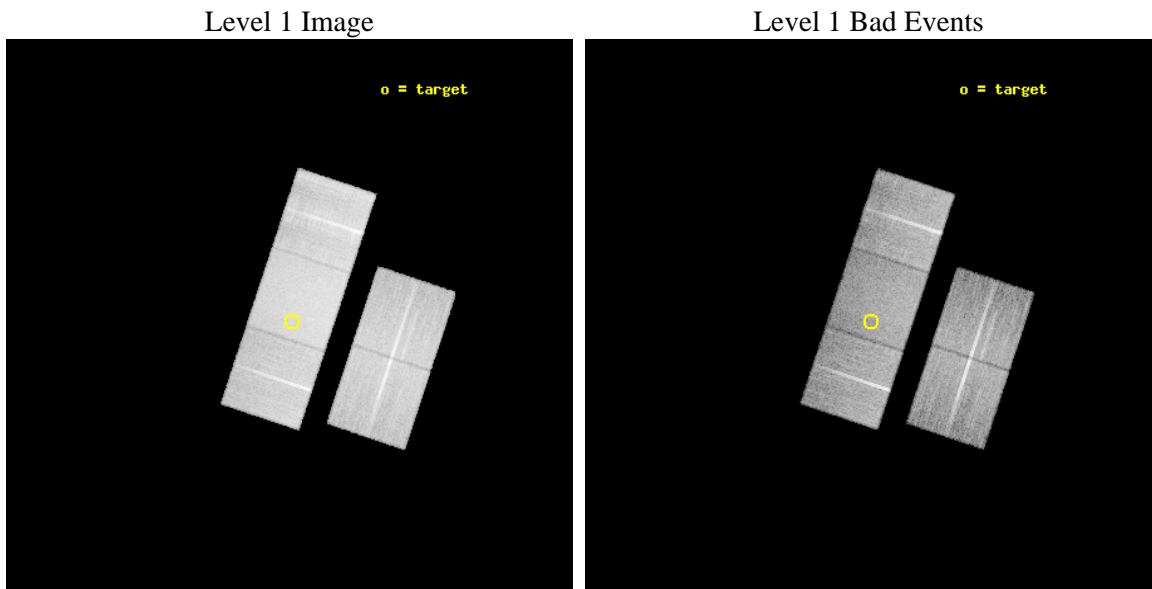
seq_num	701574	Sequence number
obs_id	8259	Observation id
title	A snapshot X-ray/radio survey of AGNs selected from the long menu of SDSS galaxies	Proposal title
observer	Dr. Sebastian Heinz	Principal investigator
object	2MASX J010103-013440	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	15.254583	Observer's specified target RA [deg]
dec_targ	-0.4123	Observer's specified target Dec [deg]
ra_nom	15.258289495748	Nominal RA [deg]
dec_nom	-0.41541798993923	Nominal Dec [deg]
roll_nom	288.35543958499	Nominal Roll [deg]
revision	2	Processing version of data
ontime	17031.014943242	Sum of GTIs [s]
livetime	16808.492194958	Livetime [s]
ontime2	17024.568842769	Sum of GTIs [s]
ontime3	17027.791902959	Sum of GTIs [s]
ontime6	17030.973903239	Sum of GTIs [s]
ontime7	17031.014943242	Sum of GTIs [s]
ontime8	17027.750842988	Sum of GTIs [s]
l2events	172587	Number of level 2 events



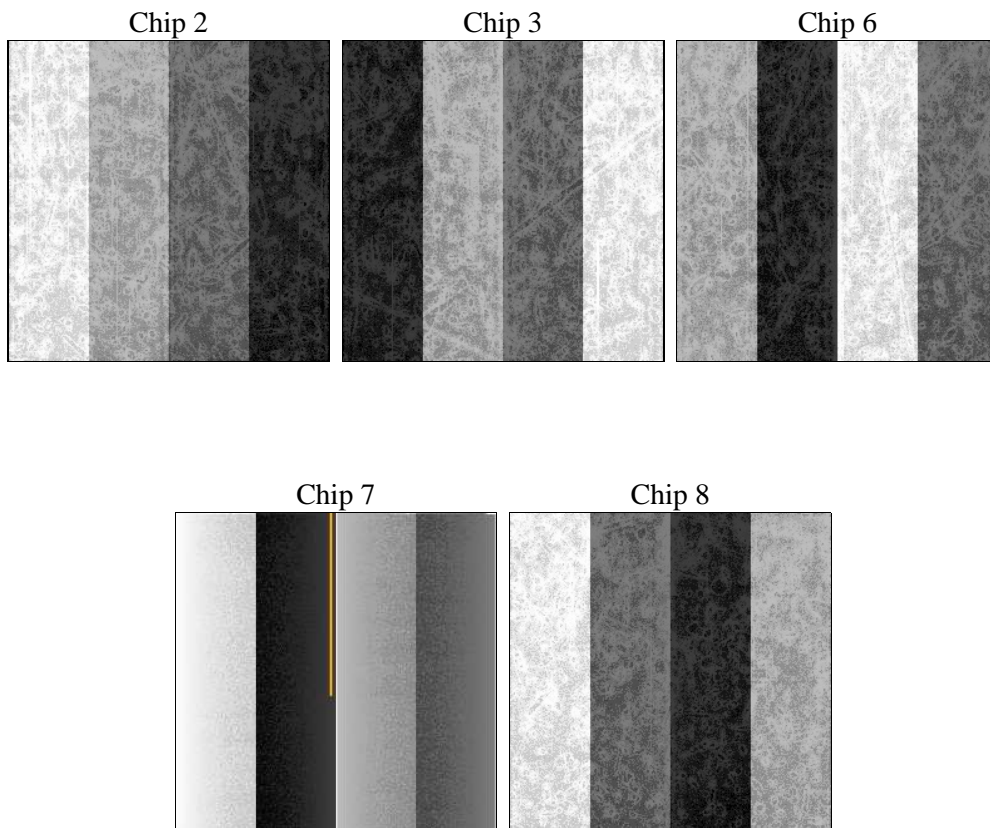
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	17000.604000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	17031.014943242	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime2	17024.568842769	Sum of GTIs [s]
date	2012-05-09T04:48:50	Date and time of file creation	ontime3	17027.791902959	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	17030.973903239	Sum of GTIs [s]
			ontime7	17031.014943242	Sum of GTIs [s]
			ontime8	17027.750842988	Sum of GTIs [s]
			l1events	929225	Number of level 1 events

### 2.1.4 Events

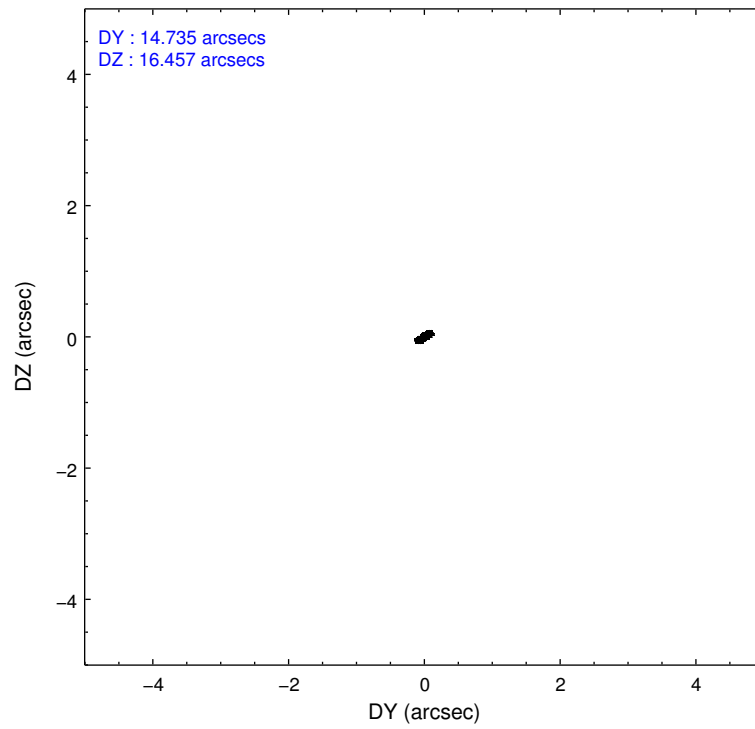
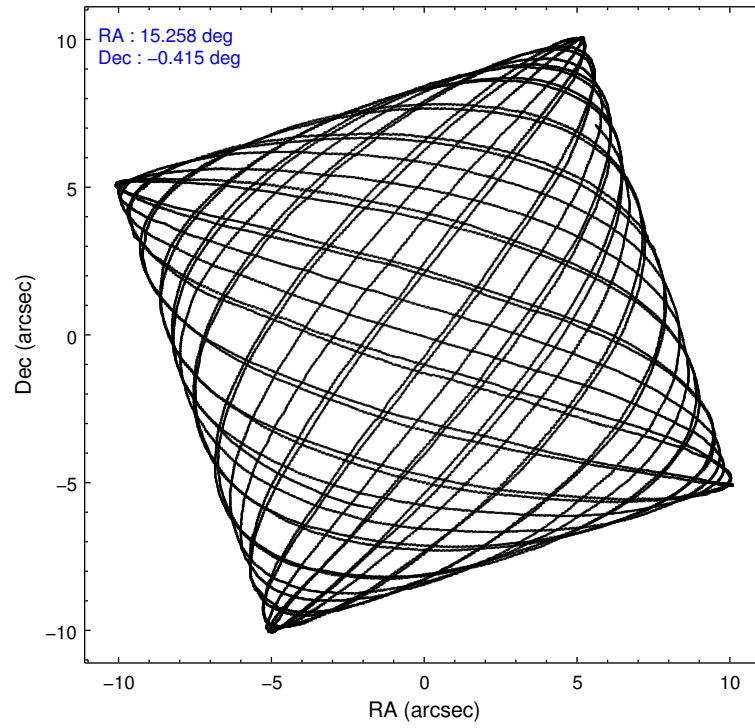
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	161403	157771	166773	229981	213297
rejected events	140437	136741	144849	133029	163354
rejected %	87%	86%	86%	57%	76%

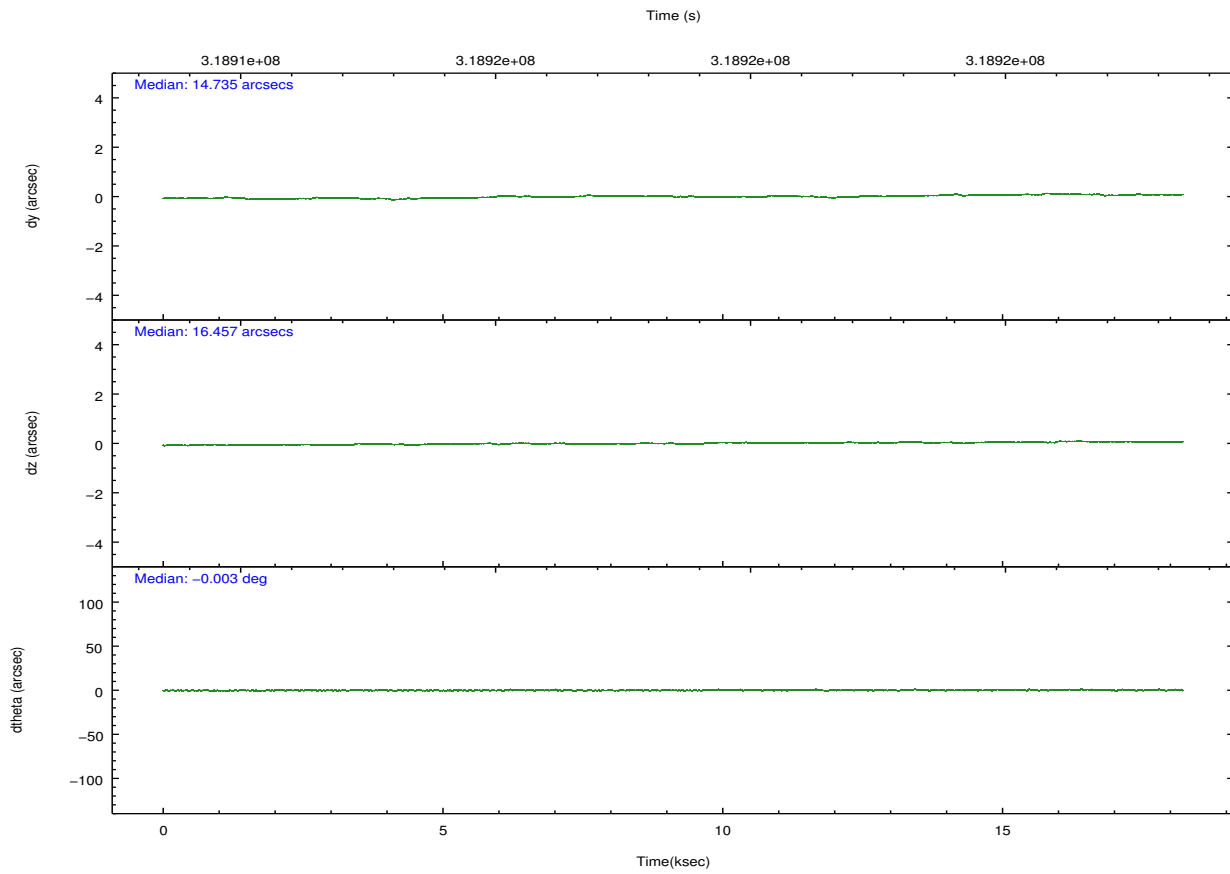
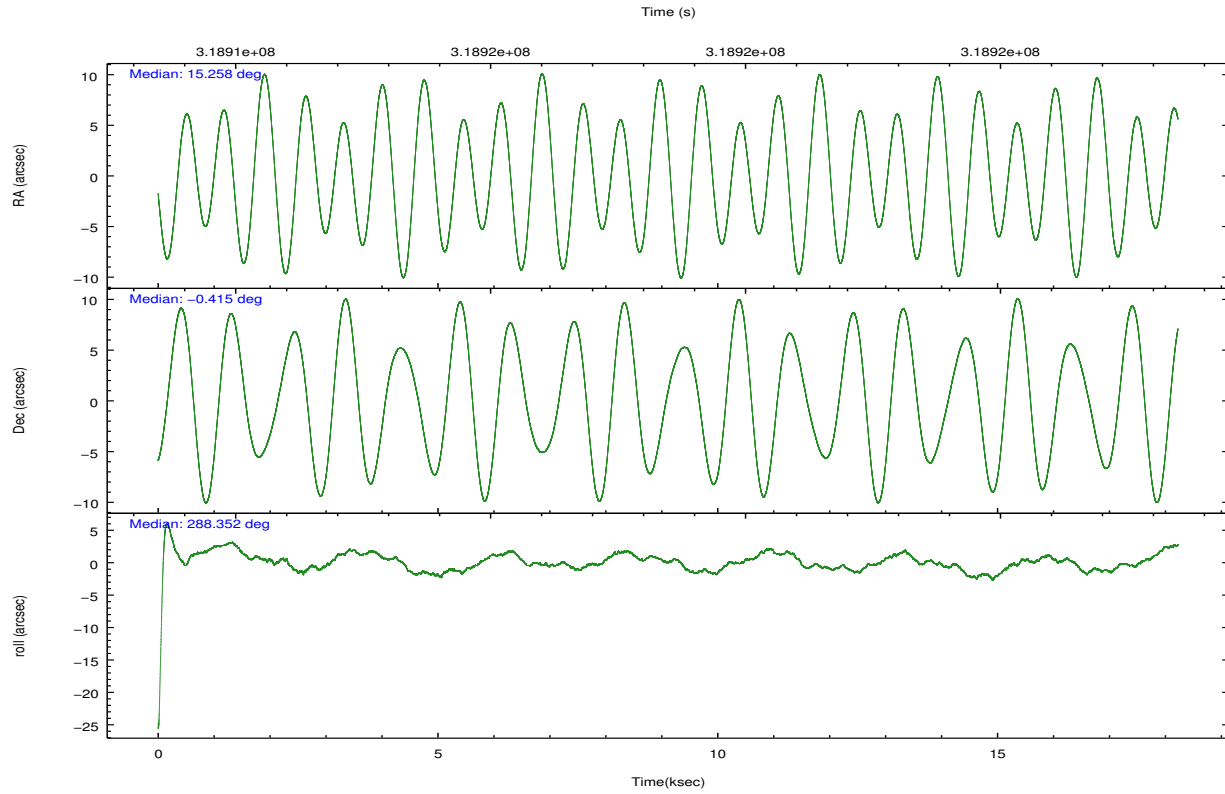
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	9668	9625	9179	8449	16181
	5%	6%	5%	3%	7%
grade 1 events	104	118	101	236	190
	0%	0%	0%	0%	0%
grade 2 events	4237	3957	4541	19740	11002
	2%	2%	2%	8%	5%
grade 3 events	1849	1928	1953	8253	5183
	1%	1%	1%	3%	2%
grade 4 events	1835	1983	1946	8058	4849
	1%	1%	1%	3%	2%
grade 5 events	6378	7672	7935	21710	10517
	3%	4%	4%	9%	4%
grade 6 events	3386	3551	4316	52504	12738
	2%	2%	2%	22%	5%
grade 7 events	133946	128937	136802	111031	152637
	82%	81%	82%	48%	71%

## 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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	15.237621	15.25828949574773	CCD I2 on	O1	Y
[deg] Pointing Dec	-0.397531	-0.4154179899392312	CCD I3 on	O2	Y
[deg] Pointing Roll	288.198671	288.3554395849869	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	O4	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	O3	Y
[s] Observation start time (MET)	318910599.184000	318909150.27905	CCD S5 on	N	N
Observation start date	2008-02-09T02:15:34	2008-02-09T01:52:30	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	318927600.184000	318927824.24246	On-chip summing requested	N	N
Observation end date	2008-02-09T06:58:55	2008-02-09T07:03:44	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

## 2.3 Aspect



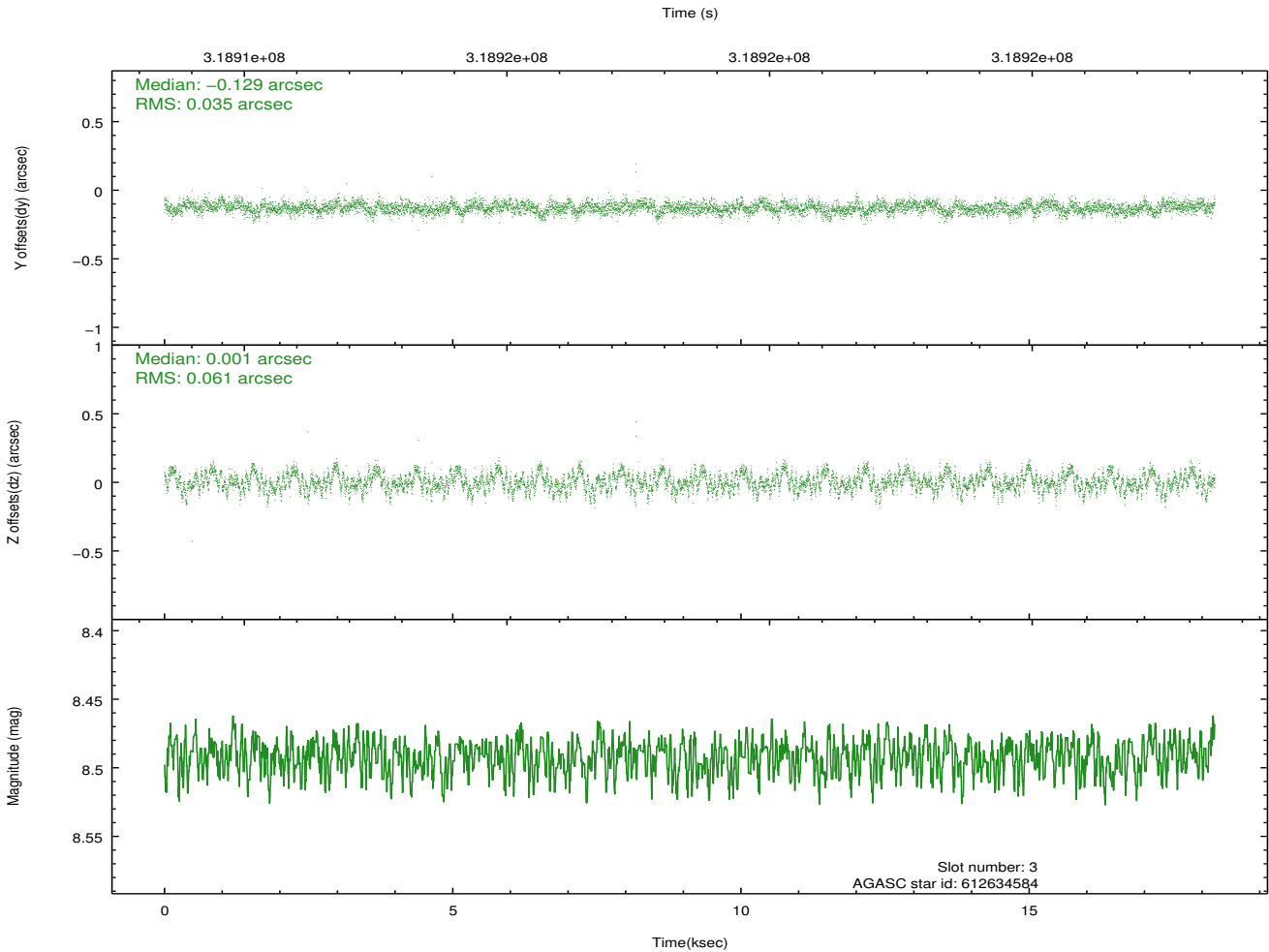
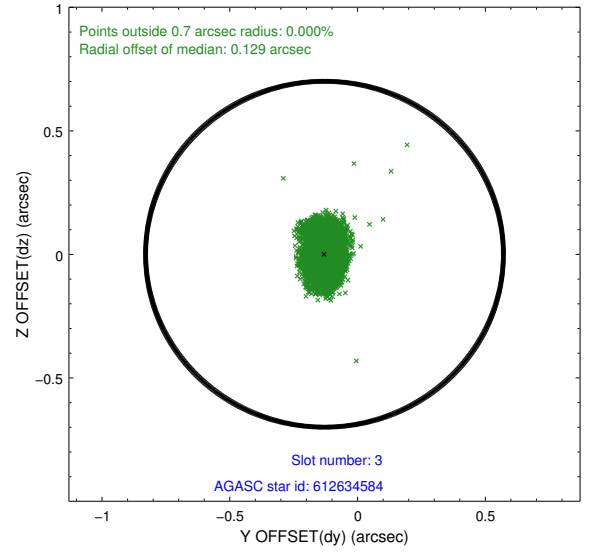
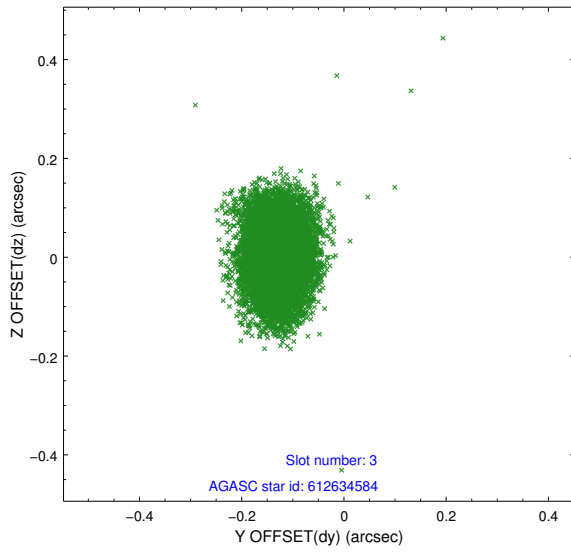


### Slot Statistics

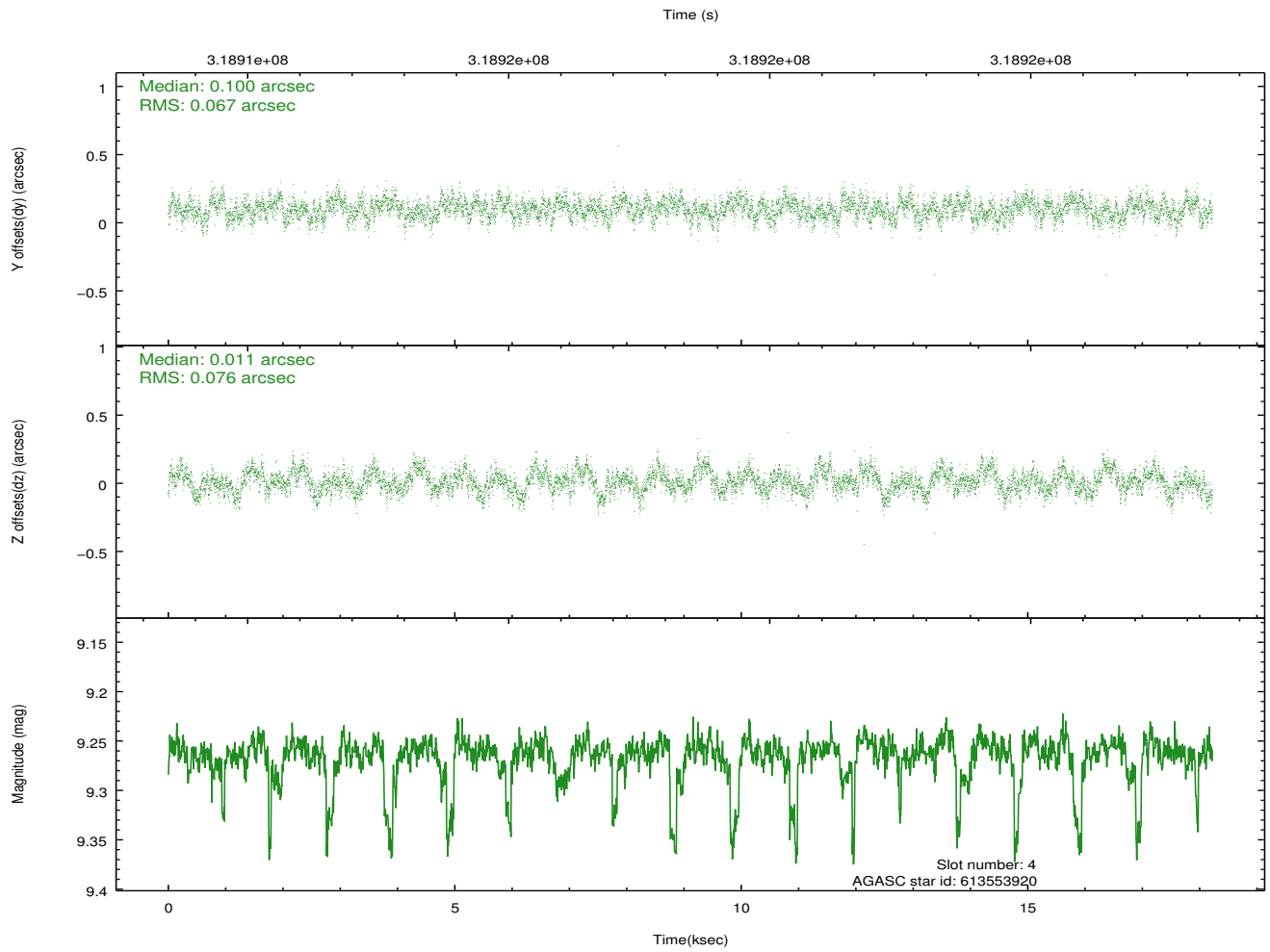
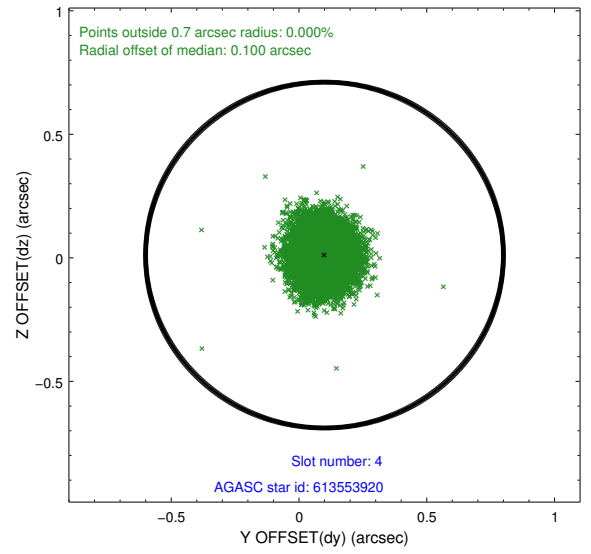
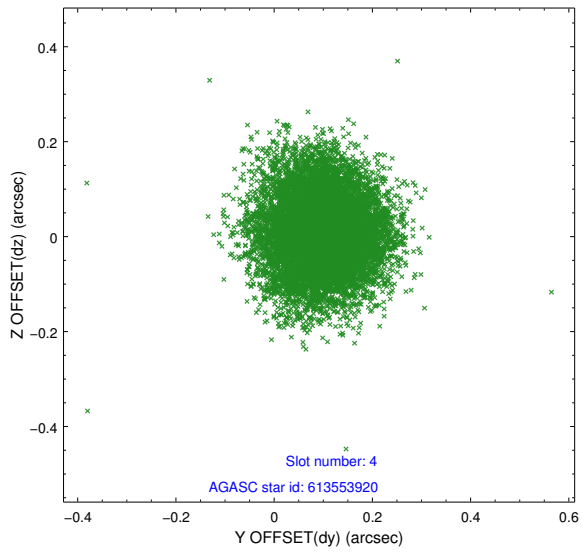
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	4445	-0.070	-0.033	0.007	0.011	0.000000	0.000000	-767.79	-1737.90
1	FID	ACIS-S-4	7.18	4445	0.179	0.043	0.006	0.010	0.000000	0.000000	2145.66	170.39
2	FID	ACIS-S-5	7.22	4445	-0.140	-0.001	0.007	0.011	0.000000	0.000000	-1820.39	164.32
3	GUIDE	612634584	8.49	8885	-0.129	0.001	0.074	0.124	14.779562	-0.145020	-1378.18	-1282.60
4	GUIDE	613553920	9.26	8851	0.100	0.011	0.109	0.170	15.223250	-0.868731	1595.75	-578.11
5	GUIDE	613556408	9.09	8878	-0.026	0.006	0.093	0.146	15.393003	-0.320388	-88.19	618.83
6	GUIDE	613556608	8.49	8889	-0.056	0.037	0.094	0.138	15.206904	-1.021924	2101.40	-806.63
7	GUIDE	613559000	9.59	8884	0.110	-0.055	0.125	0.209	15.051346	-1.080212	2126.24	-1404.72

## 2.4 Star Slots

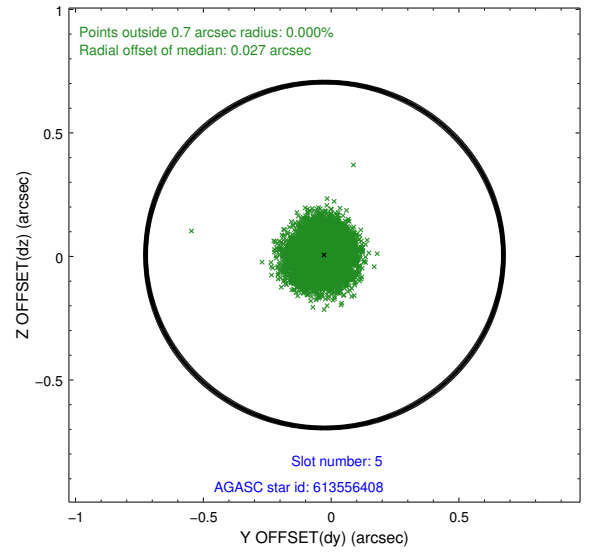
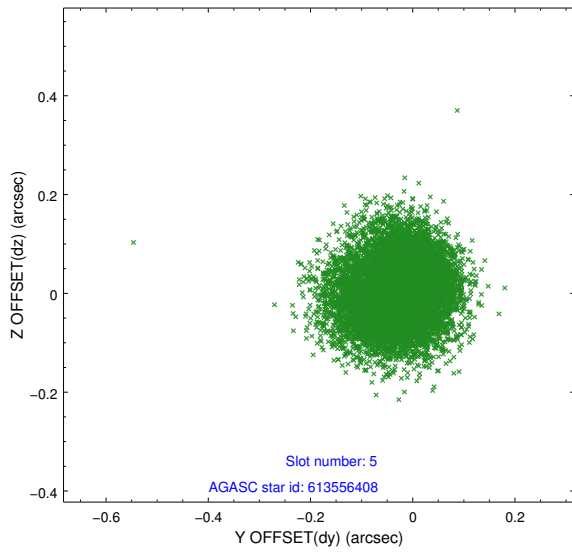
### 2.4.1 Slot 3



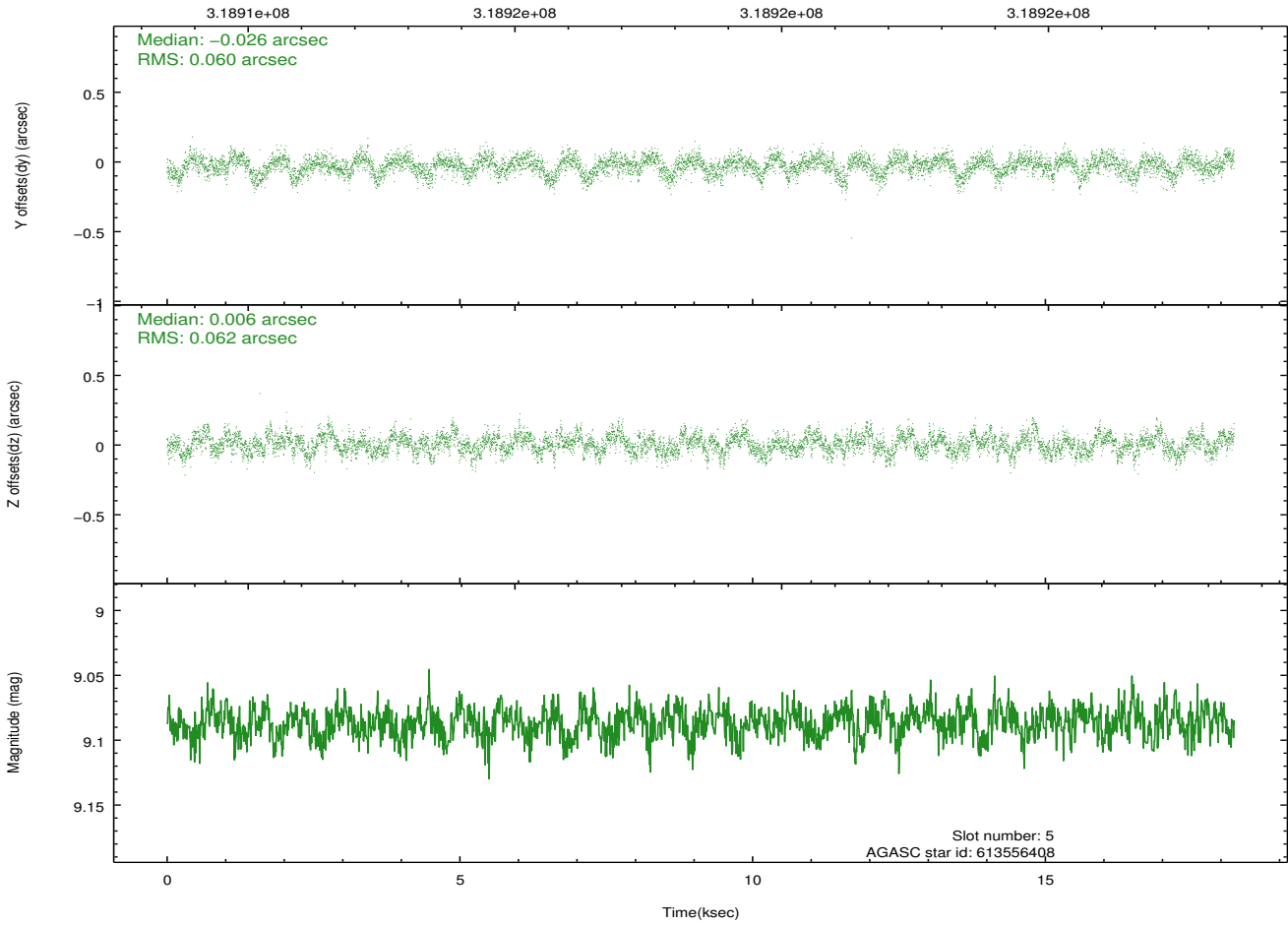
## 2.4.2 Slot 4



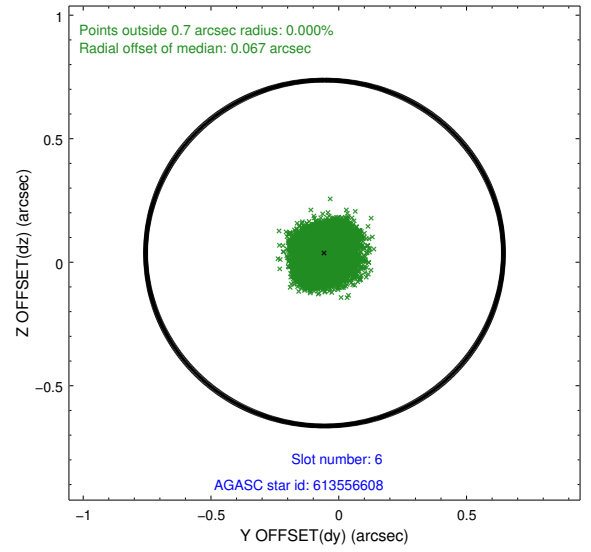
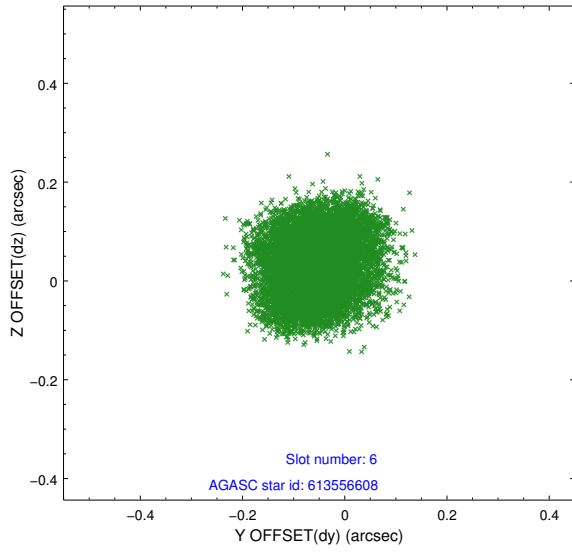
### 2.4.3 Slot 5



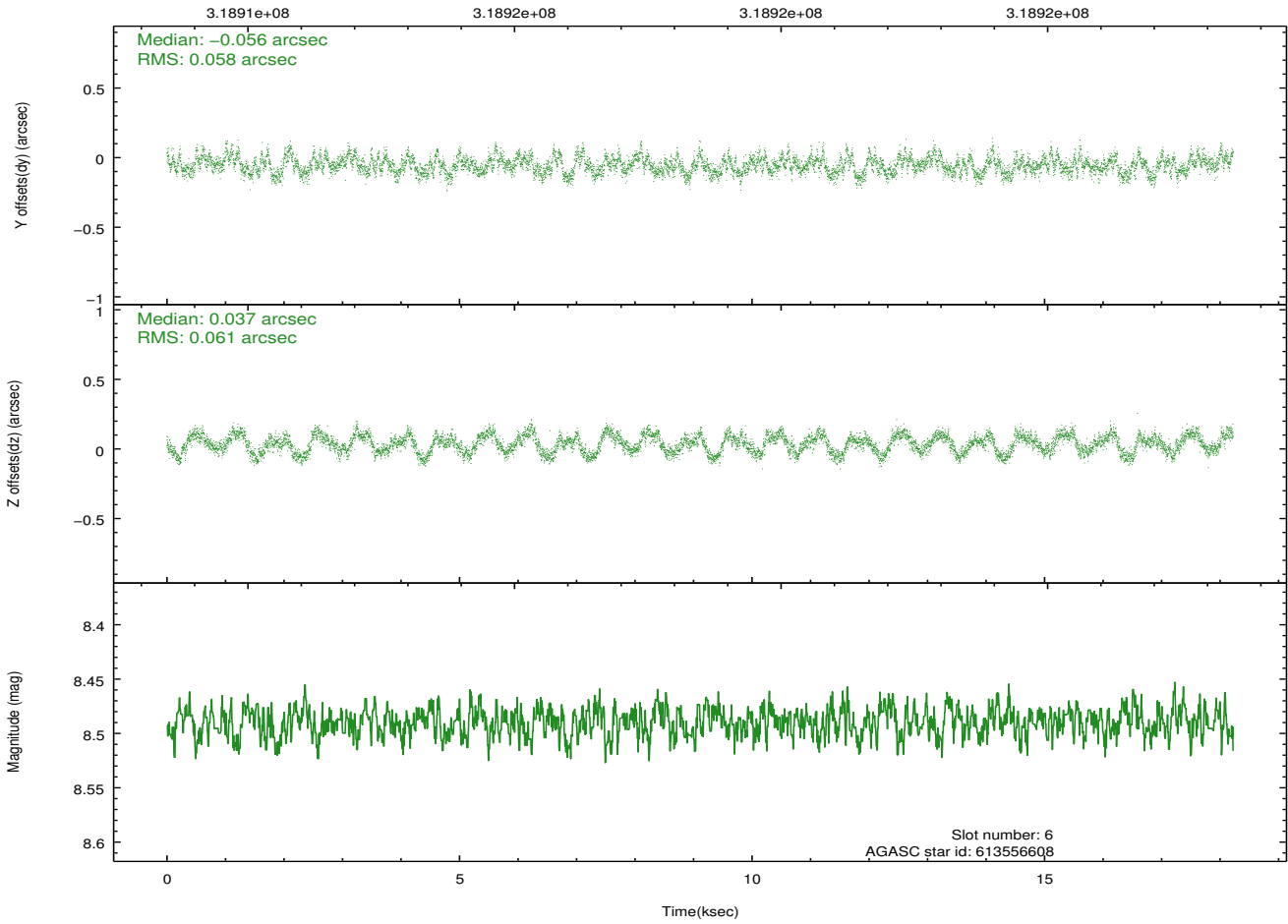
Time (s)



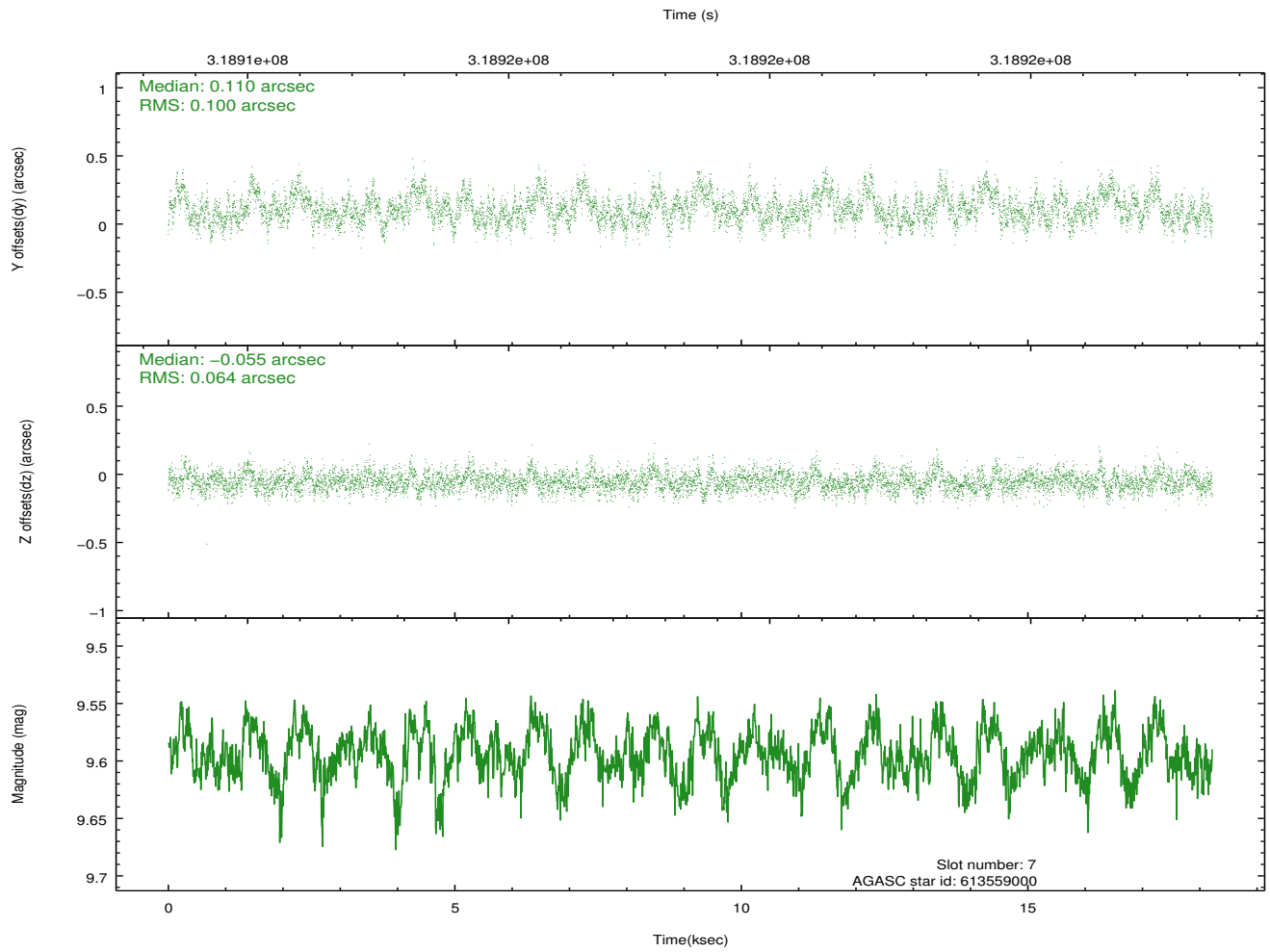
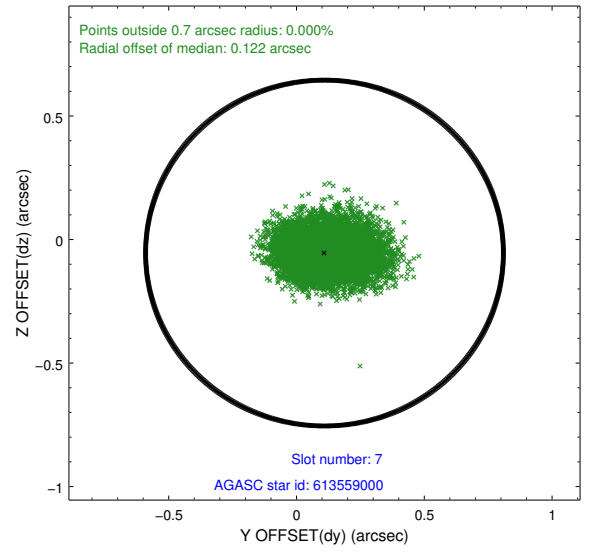
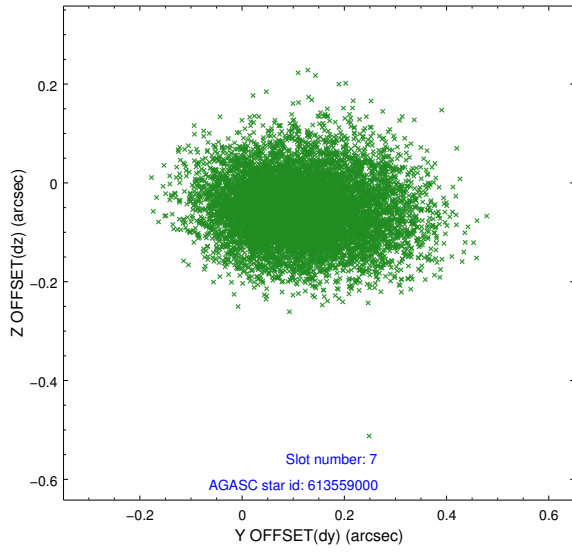
### 2.4.4 Slot 6



Time (s)

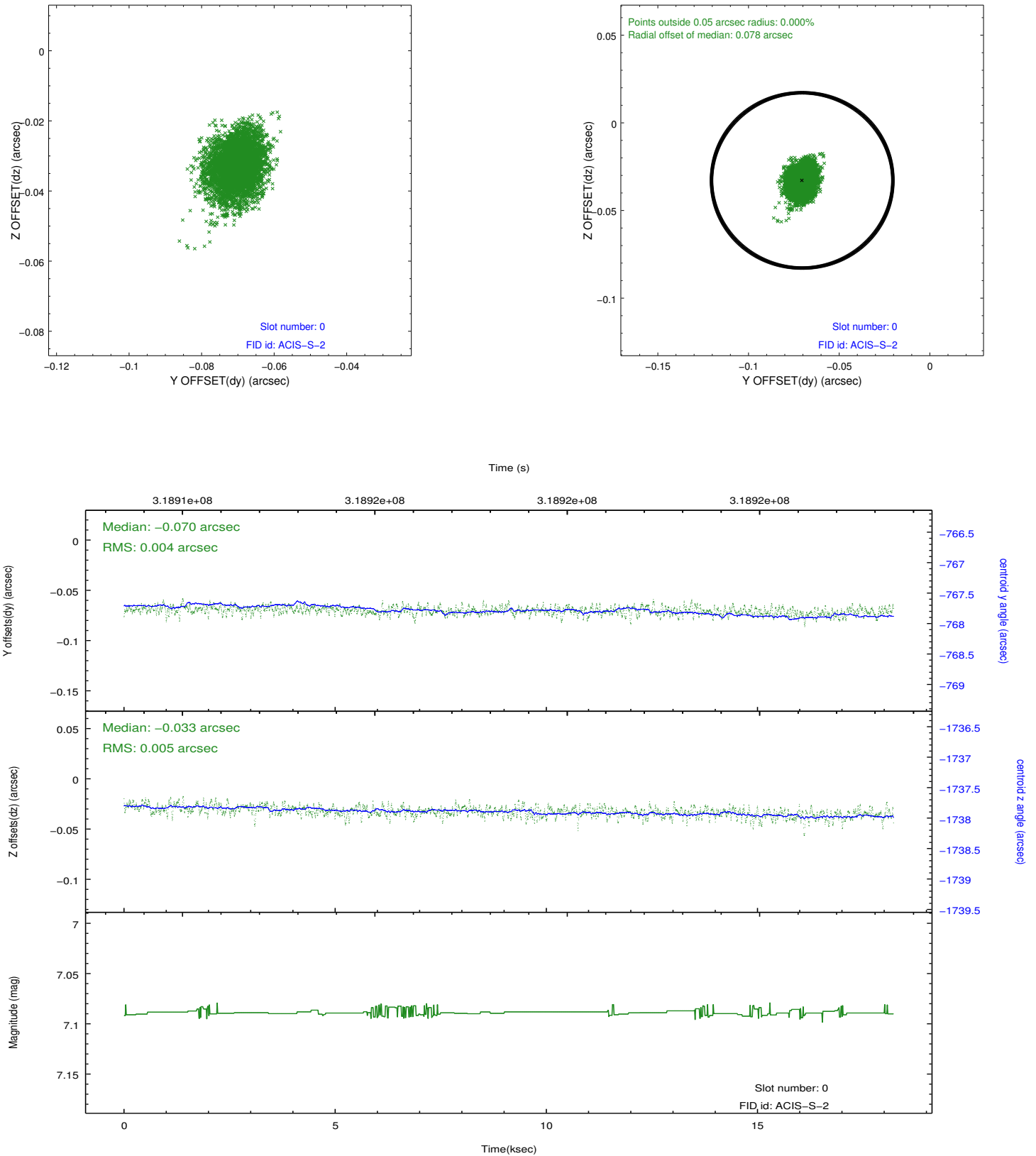


## 2.4.5 Slot 7

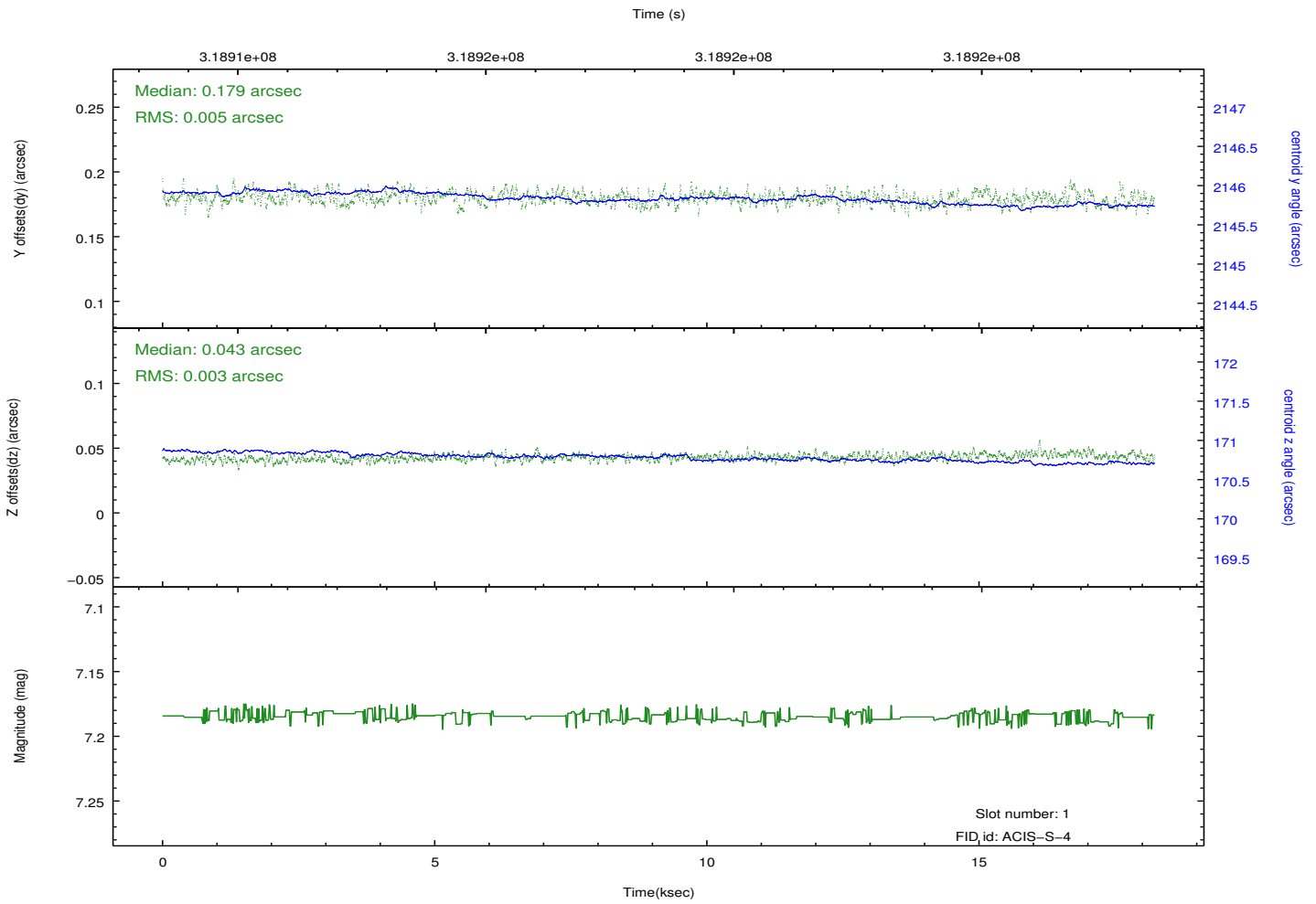
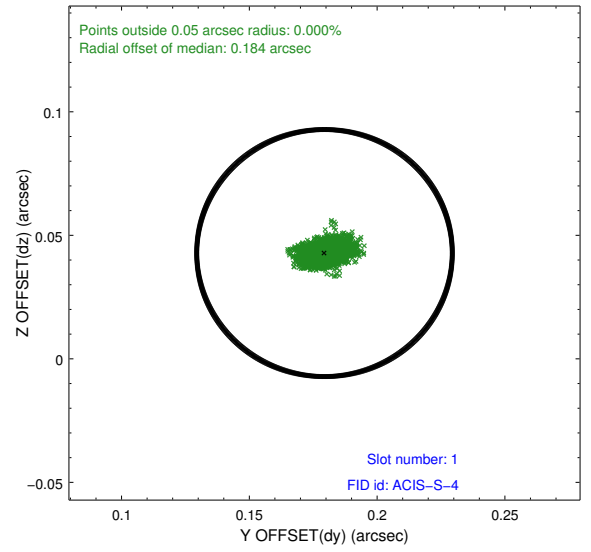
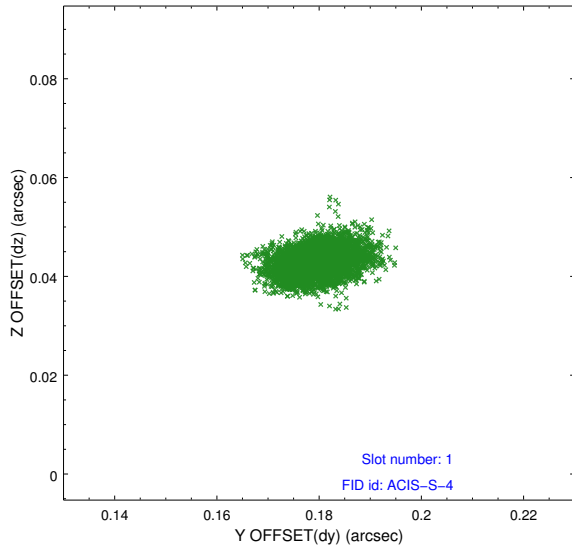


## 2.5 FID Slots

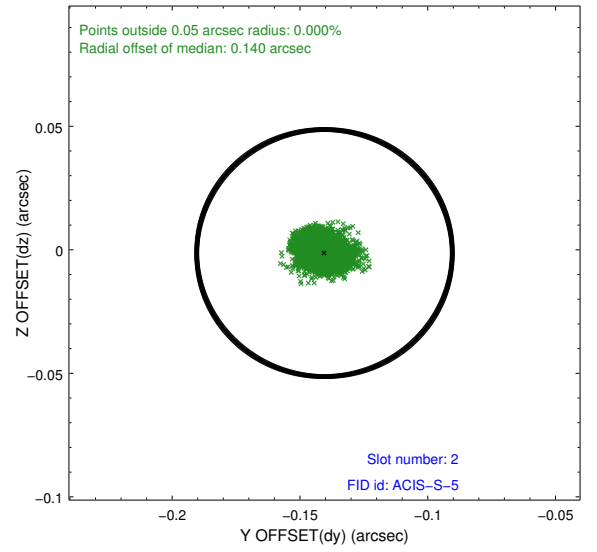
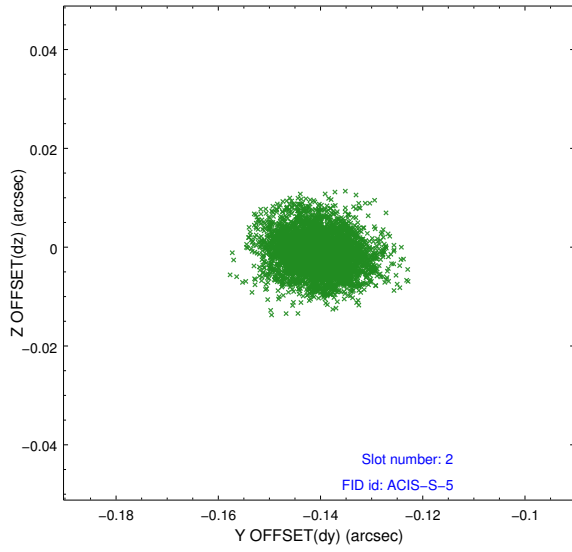
### 2.5.1 Slot 0



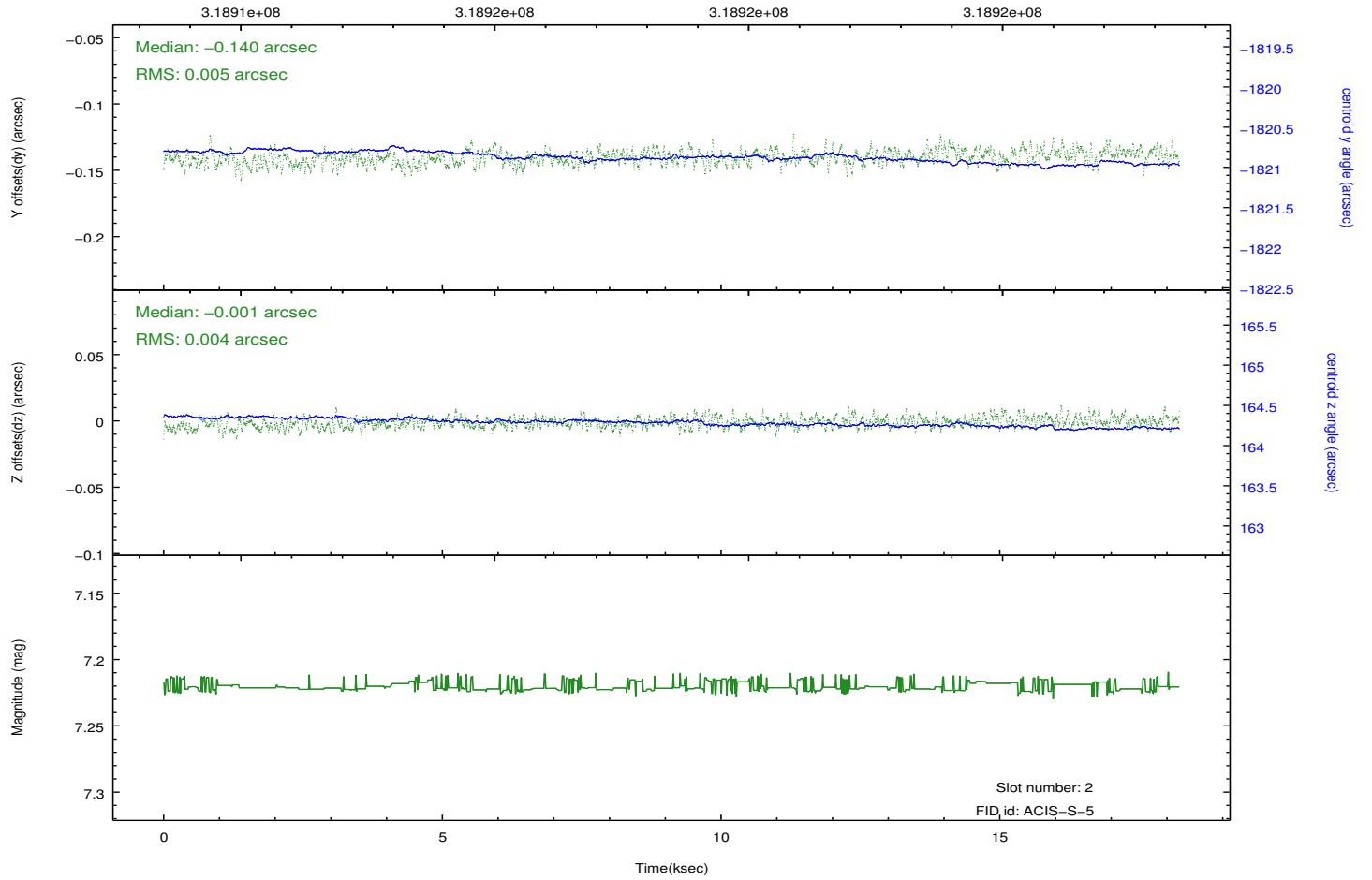
## 2.5.2 Slot 1



### 2.5.3 Slot 2



Time (s)



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.0314001

## A.2 Comments

Joint Proposal: NRAO