

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7696 - L2 Version 2
Chandra X-Ray Center

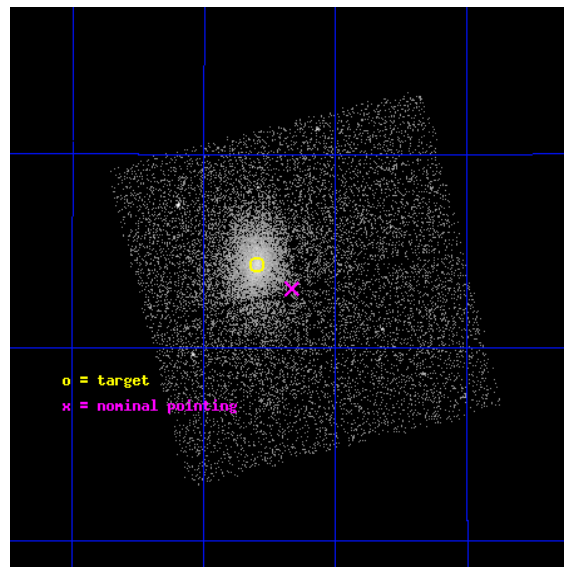
L2 Processing Date : Apr 27 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

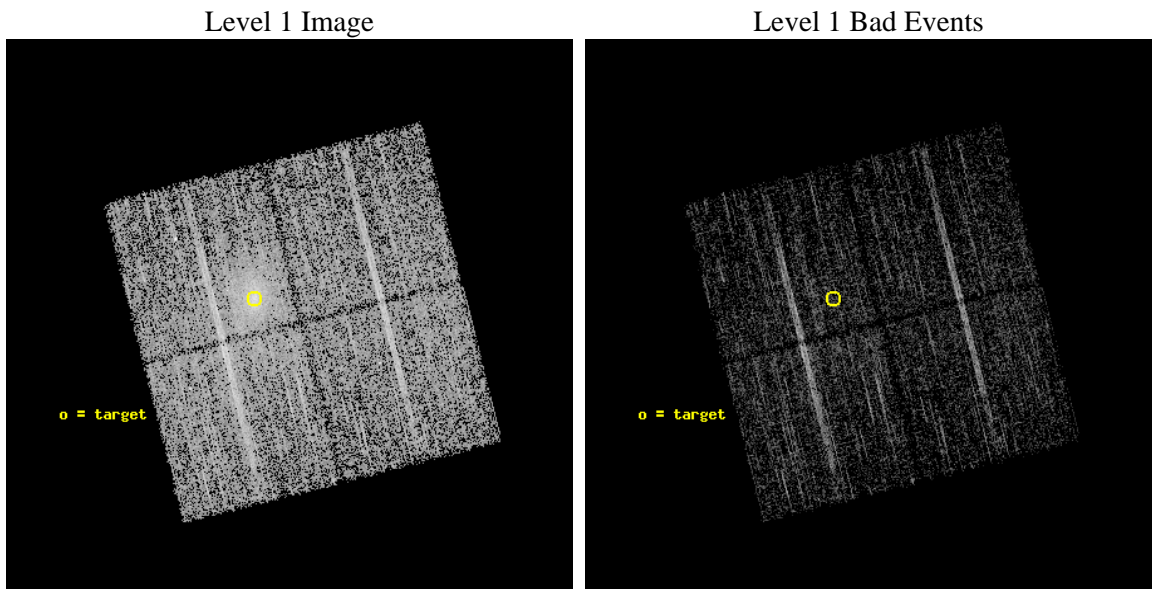
seq_num	701364	Sequence number
obs_id	7696	Observation id
title	Snapshot Survey for X-ray Outbursts in Rich Clusters of Galaxies	P
observer	Professor Gordon Garmire	Principal investigator
object	A1413	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	178.825417	Observer's specified target RA [deg]
dec_targ	23.404722	Observer's specified target Dec [deg]
ra_nom	178.79157156888	Nominal RA [deg]
dec_nom	23.384133922119	Nominal Dec [deg]
roll_nom	255.83730822302	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5152.2000396252	Sum of GTIs [s]
livetime	5084.882753113	Livetime [s]
ontime0	5152.2000396252	Sum of GTIs [s]
ontime1	5152.2000396252	Sum of GTIs [s]
ontime2	5152.2000396252	Sum of GTIs [s]
ontime3	5152.2000396252	Sum of GTIs [s]
l2events	20056	Number of level 2 events



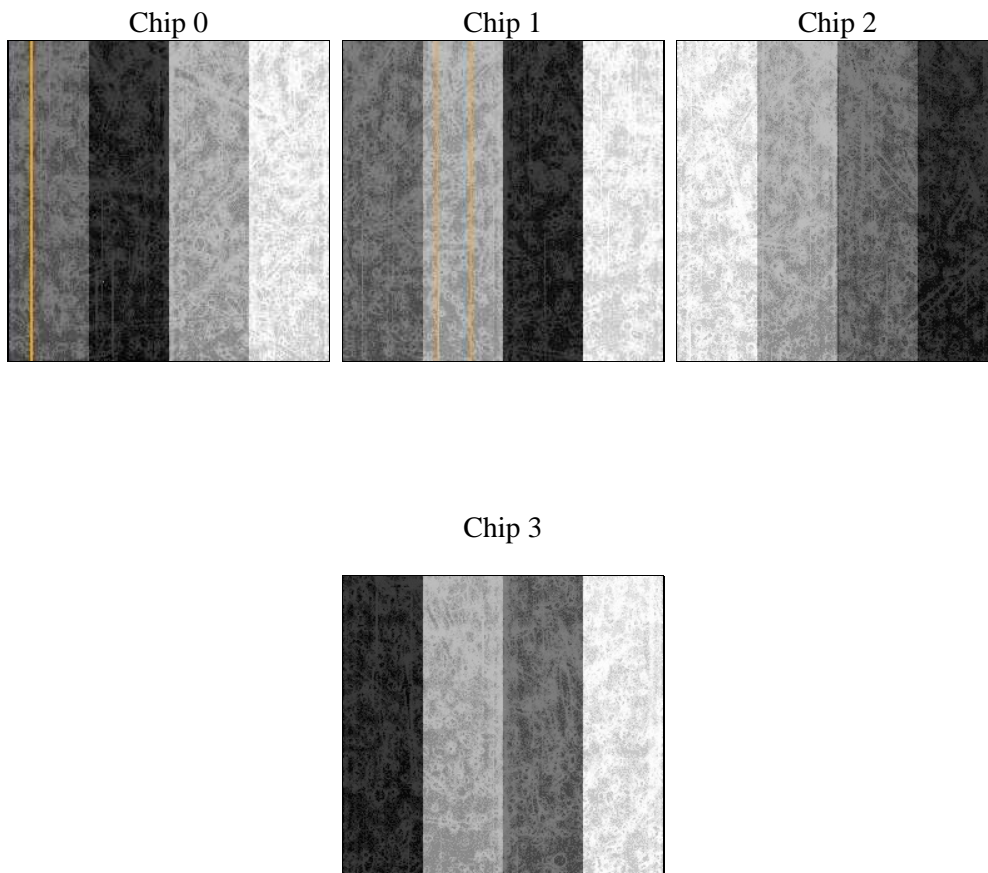
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.266000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5152.2000396252	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5152.2000396252	Sum of GTIs [s]
date	2012-04-27T14:22:35	Date and time of file creation	ontime1	5152.2000396252	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5152.2000396252	Sum of GTIs [s]
			ontime3	5152.2000396252	Sum of GTIs [s]
			l1events	167811	Number of level 1 events

2.1.4 Events

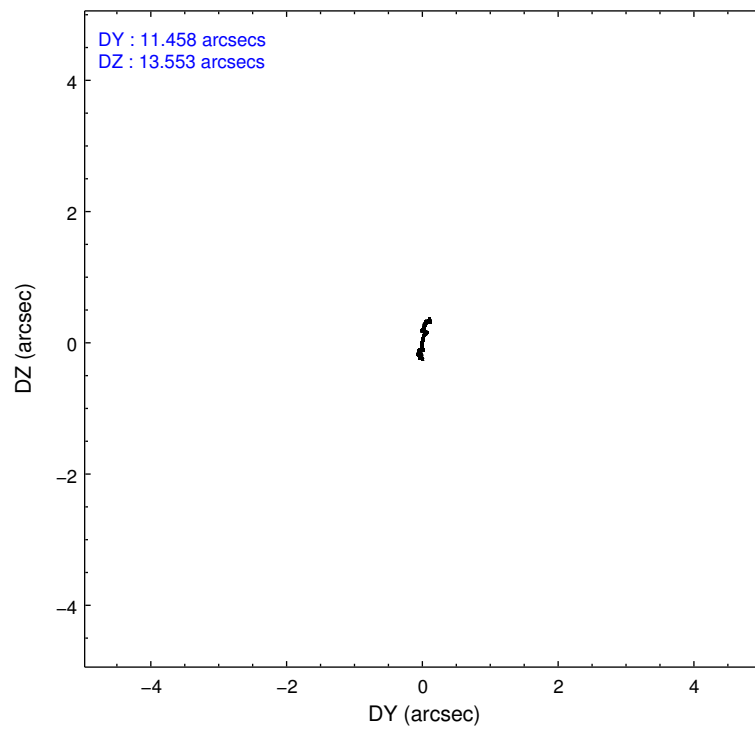
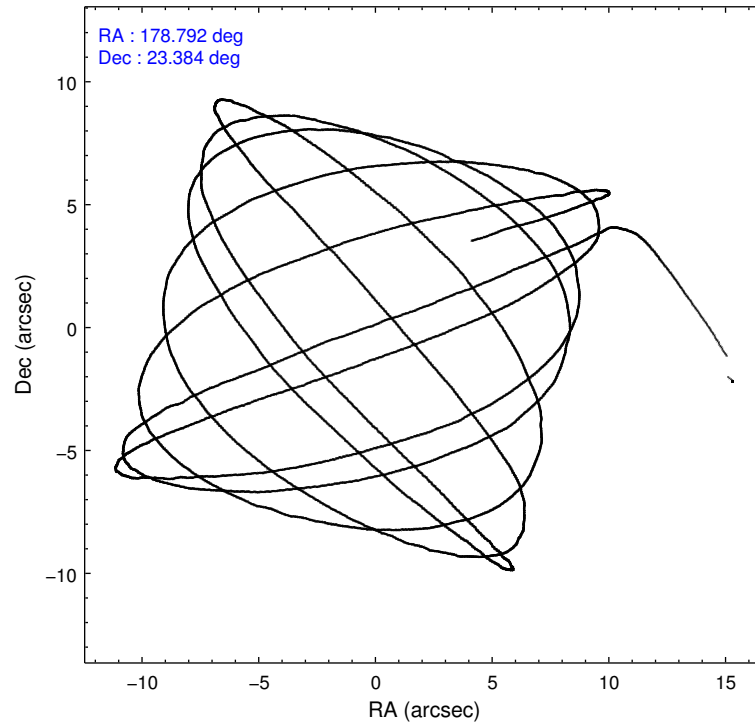
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	37981	36140	45832	47858
rejected events	34606	32297	41600	36212
rejected %	91%	89%	90%	75%

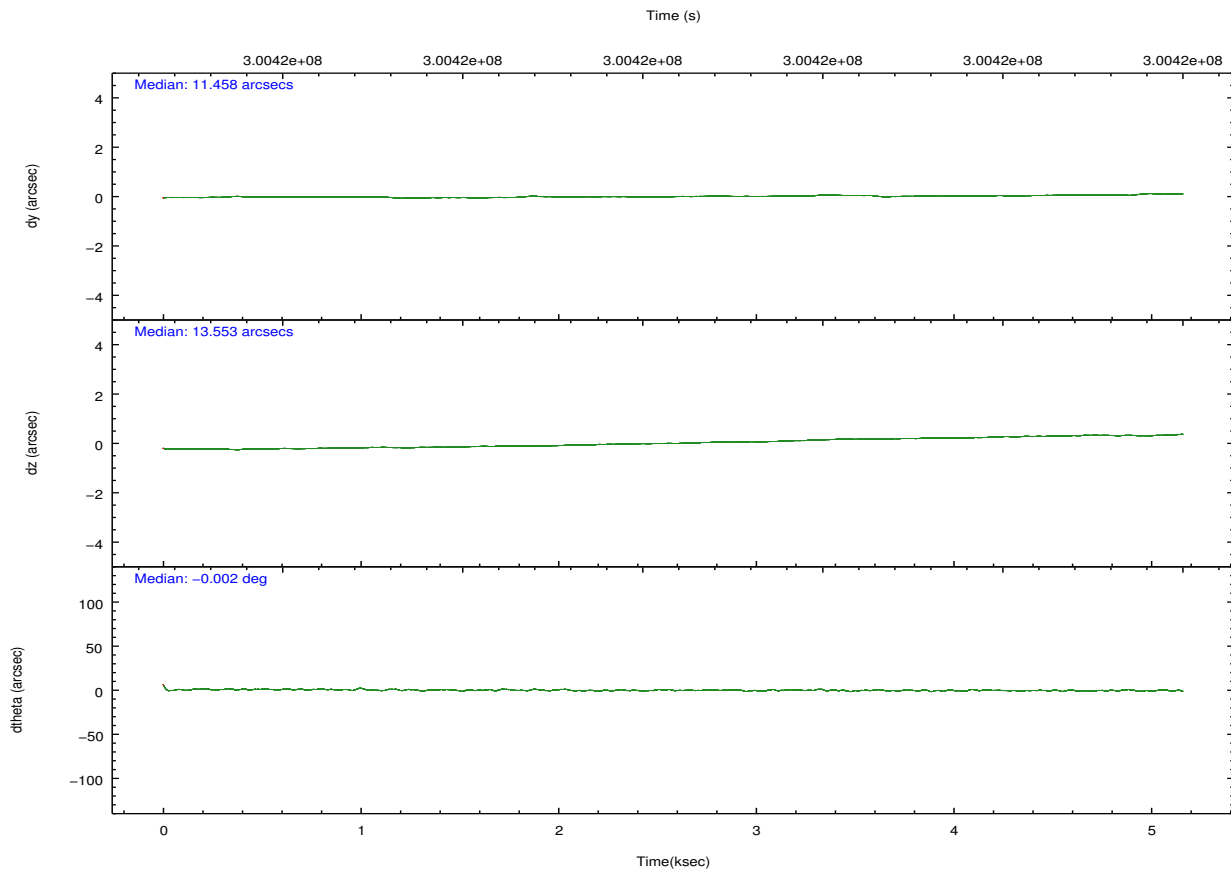
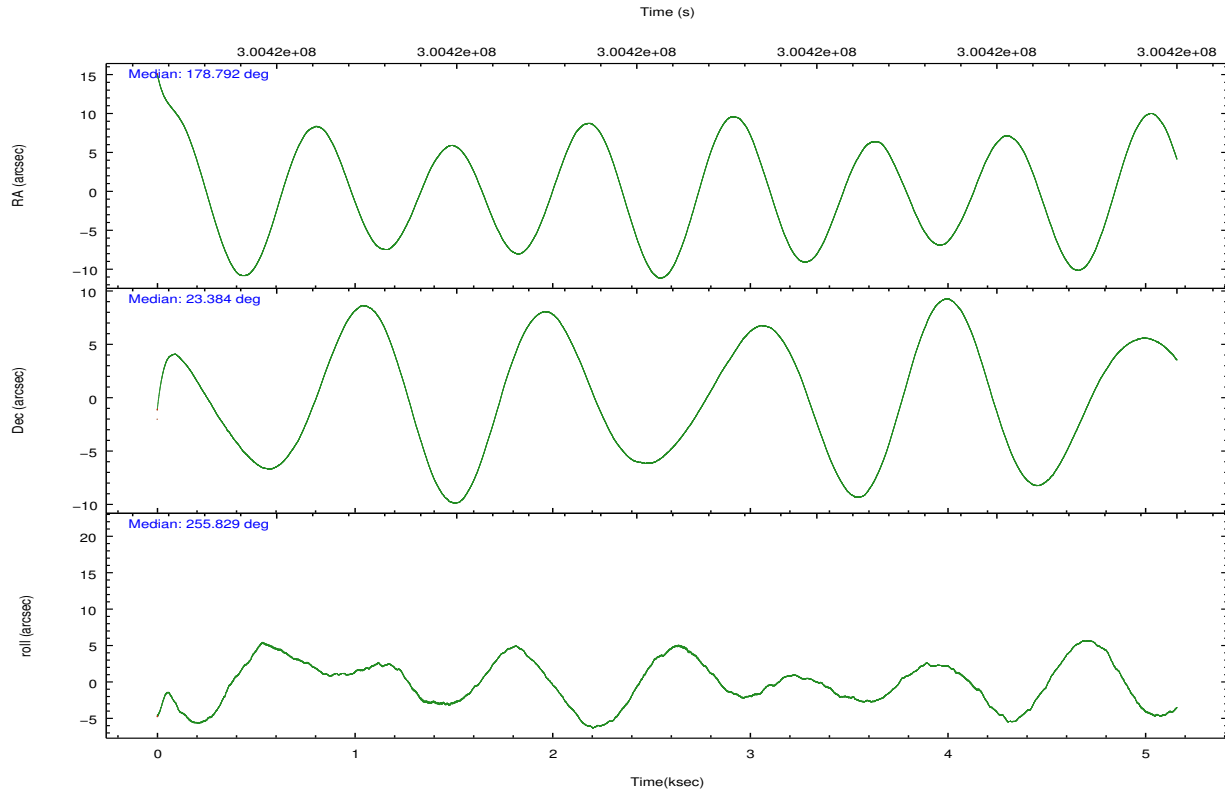
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1486	1826	2399	8613
	3%	5%	5%	17%
grade 1 events	20	29	31	64
	0%	0%	0%	0%
grade 2 events	904	871	897	1610
	2%	2%	1%	3%
grade 3 events	403	464	380	605
	1%	1%	0%	1%
grade 4 events	357	440	396	600
	0%	1%	0%	1%
grade 5 events	608	767	551	796
	1%	2%	1%	1%
grade 6 events	530	593	481	784
	1%	1%	1%	1%
grade 7 events	33673	31150	40697	34786
	88%	86%	88%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	178.783168	178.7915715688818	Subarray requested	NONE	NONE
[deg] Pointing Dec	23.410534	23.38413392211874	Alternating exposures requested	N	N
[deg] Pointing Roll	255.631959	255.8373082230221	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	300414750.184000	300413597.36208			
Observation start date	2007-07-10T00:31:25	2007-07-10T00:13:17			
[s] Observation end time (MET)	300419750.184000	300419991.82489			
Observation end date	2007-07-10T01:54:45	2007-07-10T01:59:51			
Read mode	TIMED	TIMED			

2.3 Aspect



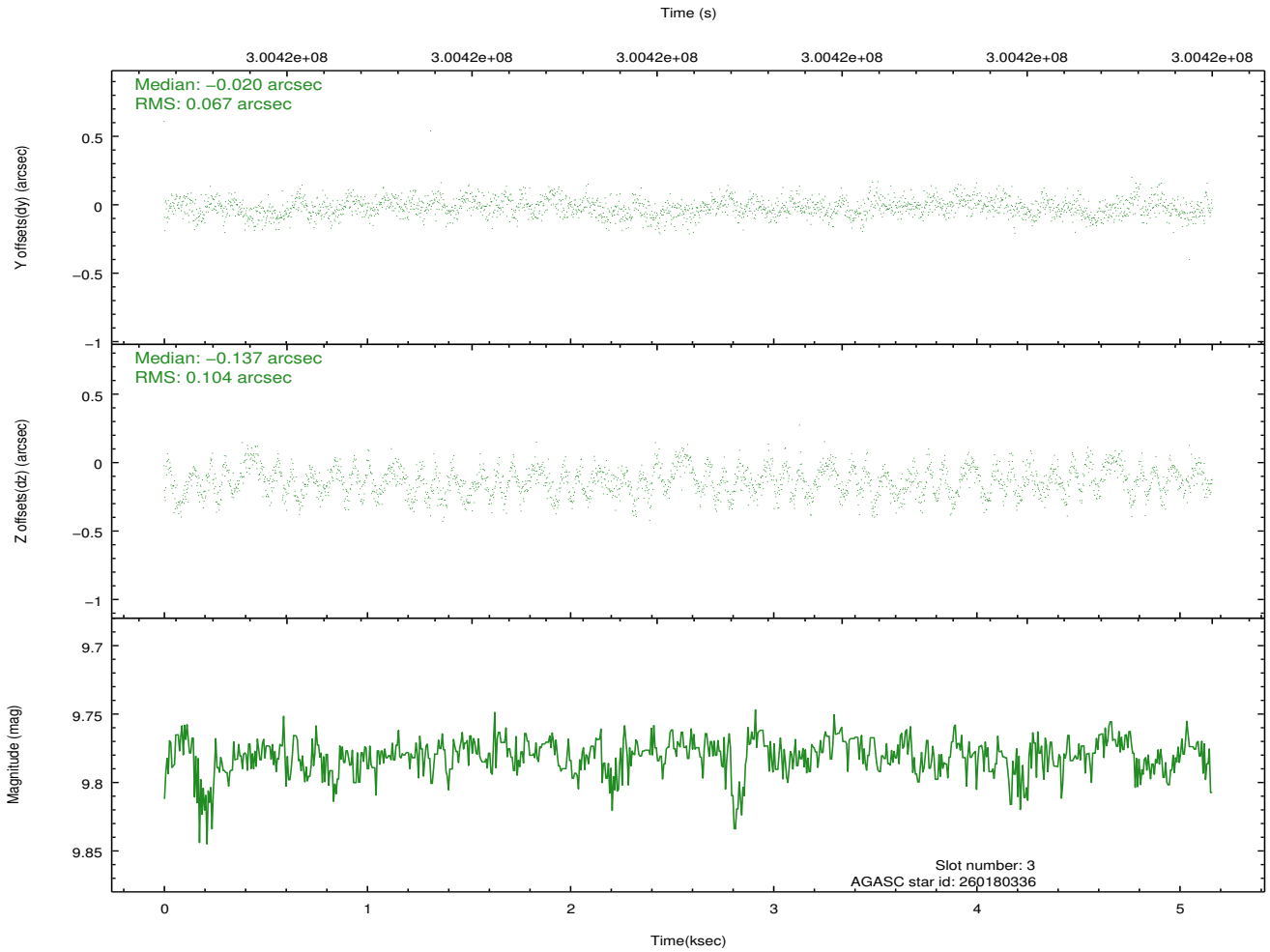
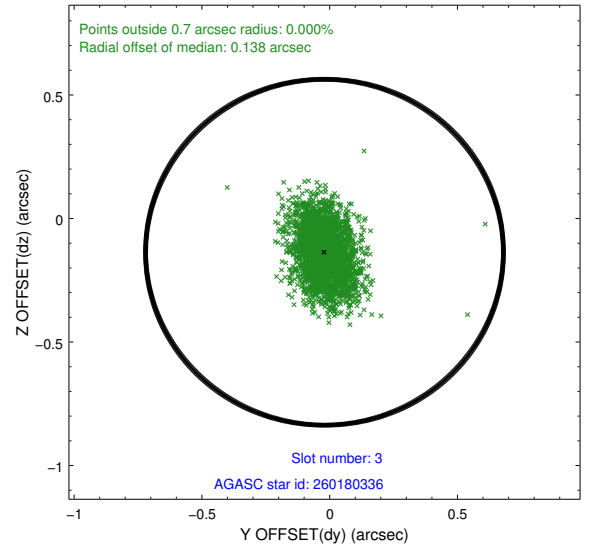
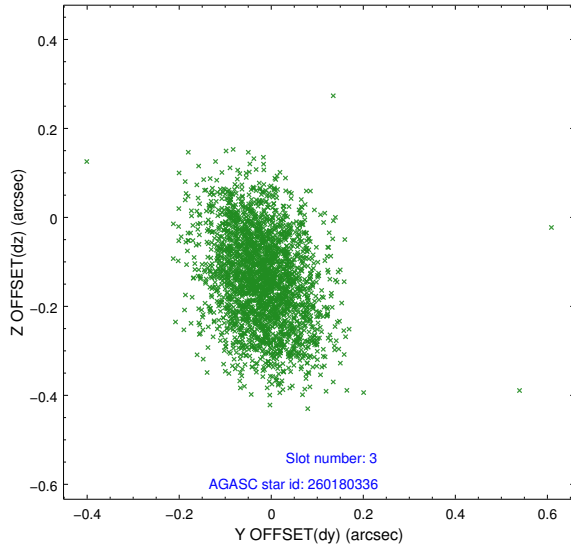


Slot Statistics

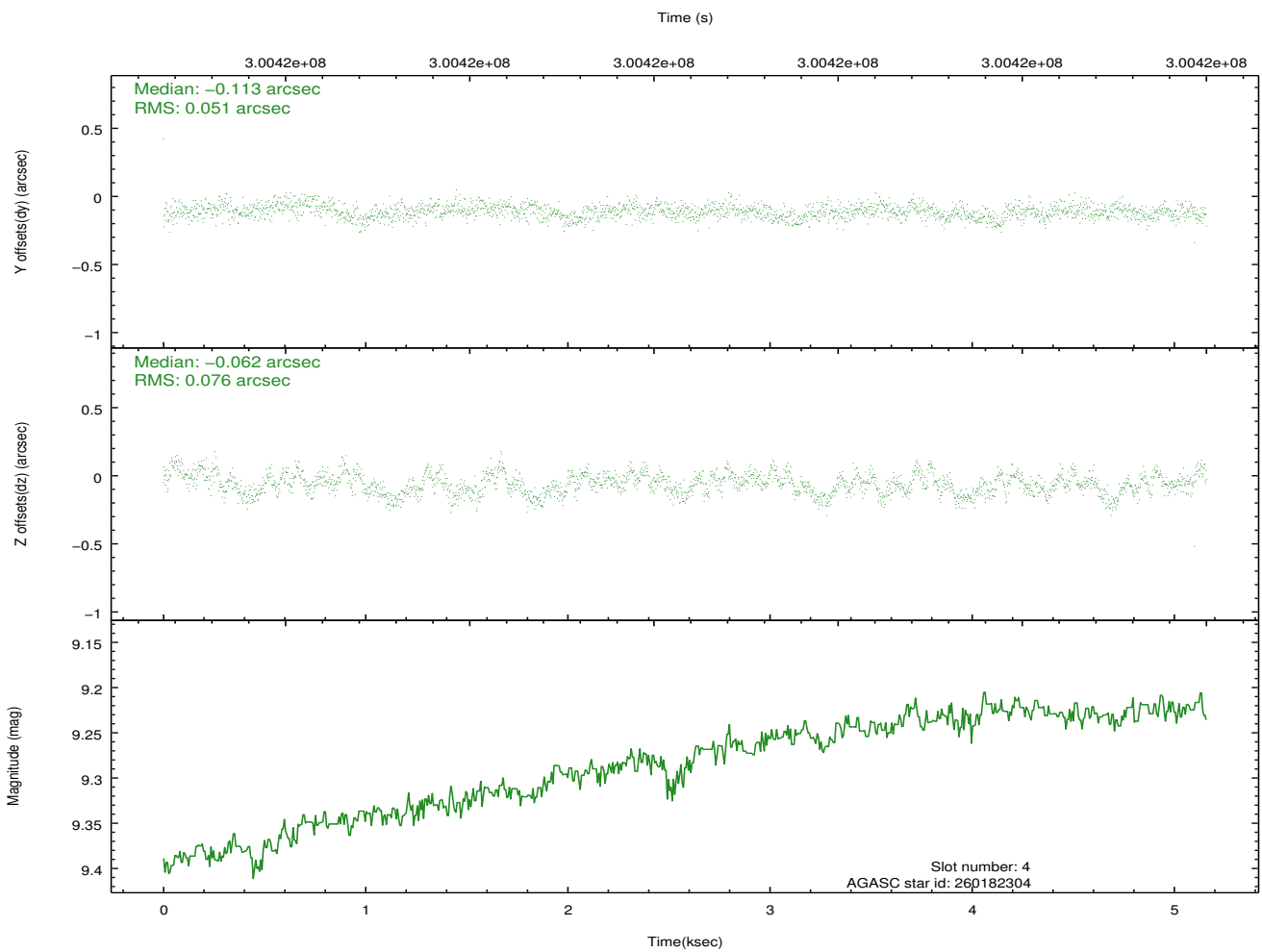
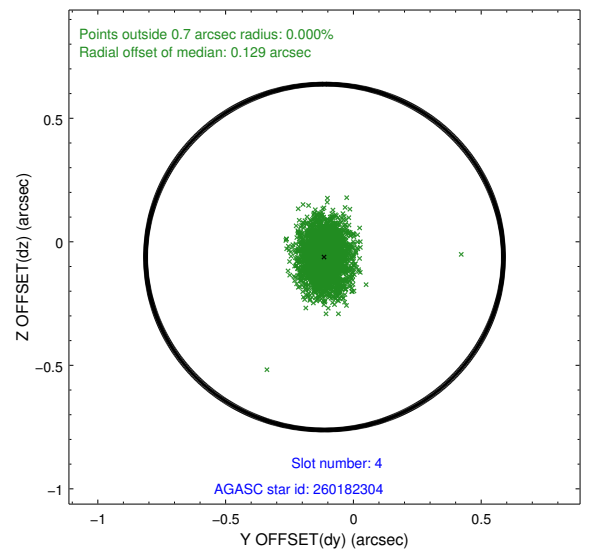
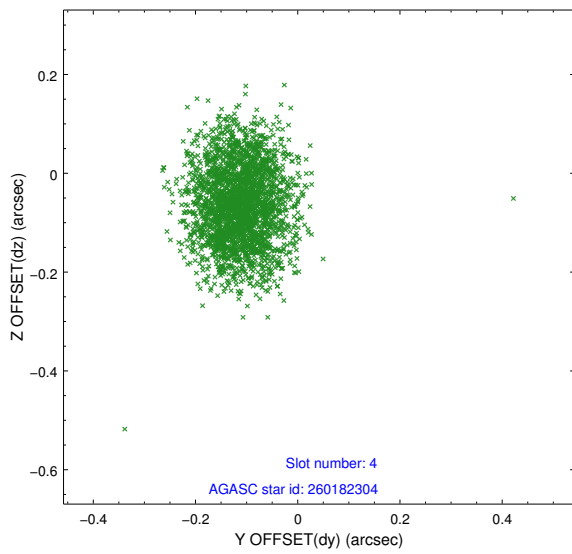
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1258	-0.007	0.023	0.010	0.018	0.000000	0.000000	928.08	-837.12
1	FID	ACIS-I-4	7.17	1259	0.171	0.011	0.007	0.012	0.000000	0.000000	2148.97	1062.07
2	FID	ACIS-I-5	7.23	1258	-0.262	0.037	0.008	0.015	0.000000	0.000000	-1818.65	1061.32
3	GUIDE	260180336	9.78	2514	-0.020	-0.137	0.132	0.214	178.222989	23.655513	-398.06	-2009.64
4	GUIDE	260182304	9.28	2516	-0.113	-0.062	0.097	0.156	178.643100	23.810976	-1281.73	-804.87
5	GUIDE	260186296	9.57	2513	-0.053	0.115	0.109	0.176	179.246996	23.604894	-1059.86	1307.31
6	GUIDE	260188192	9.15	2515	0.072	0.080	0.091	0.146	179.330149	22.976535	1060.40	2143.66
7	GUIDE	260188952	9.53	2516	0.112	0.007	0.117	0.184	178.359974	22.948174	1959.99	-946.25

2.4 Star Slots

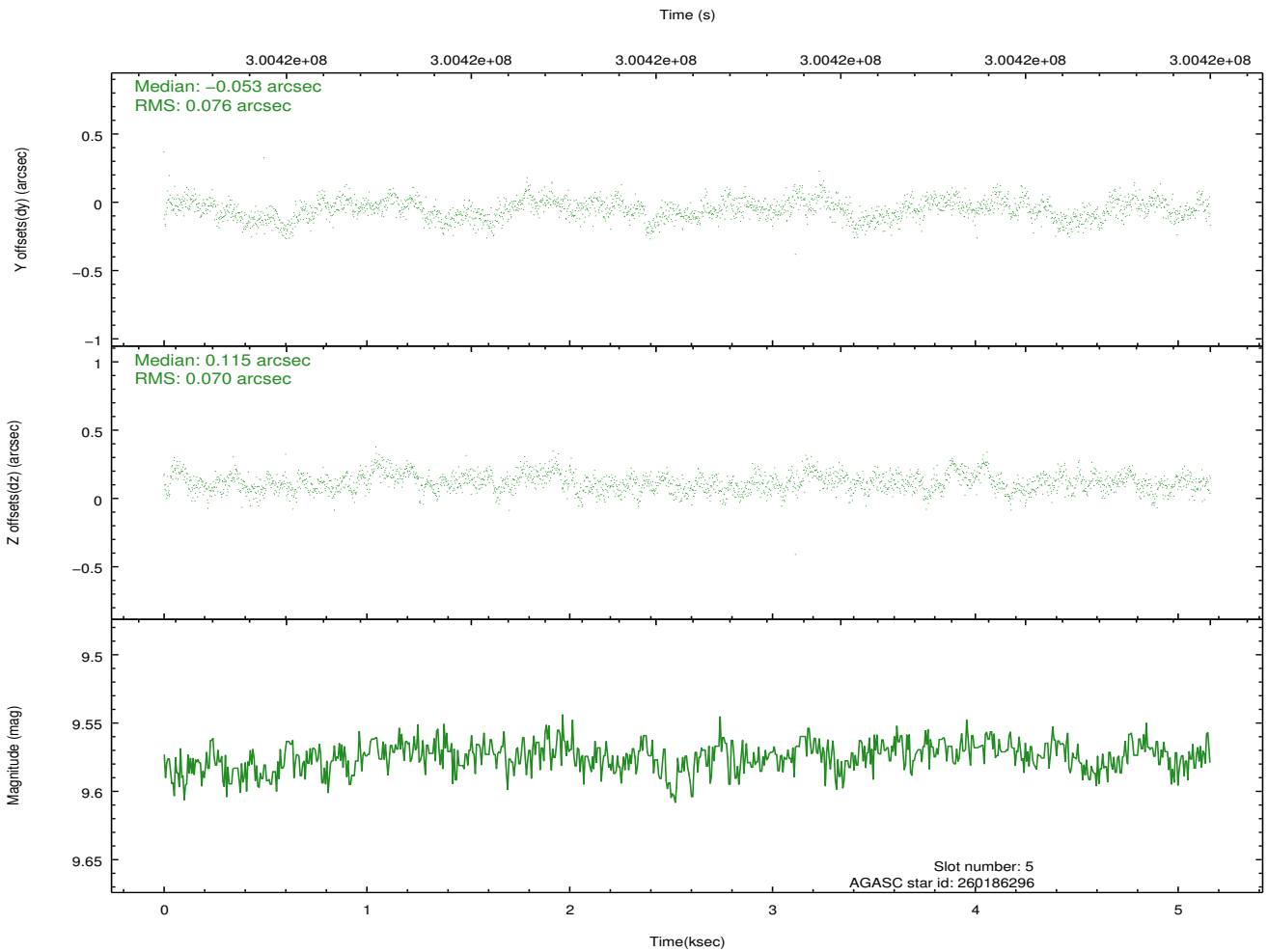
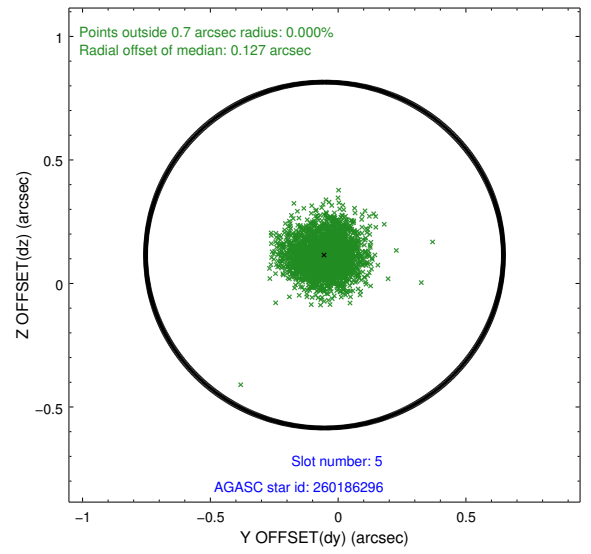
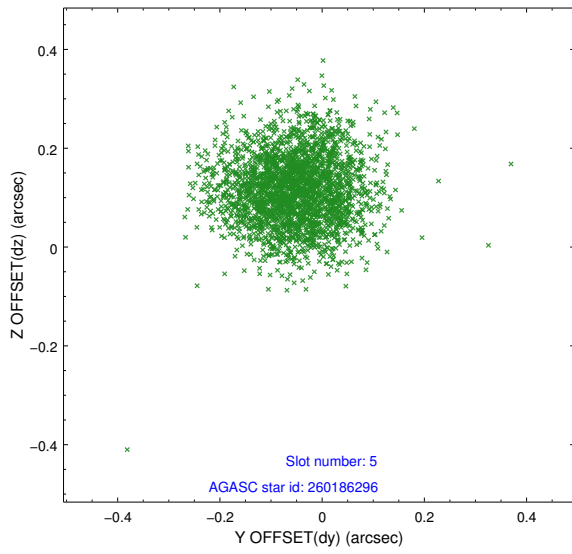
2.4.1 Slot 3



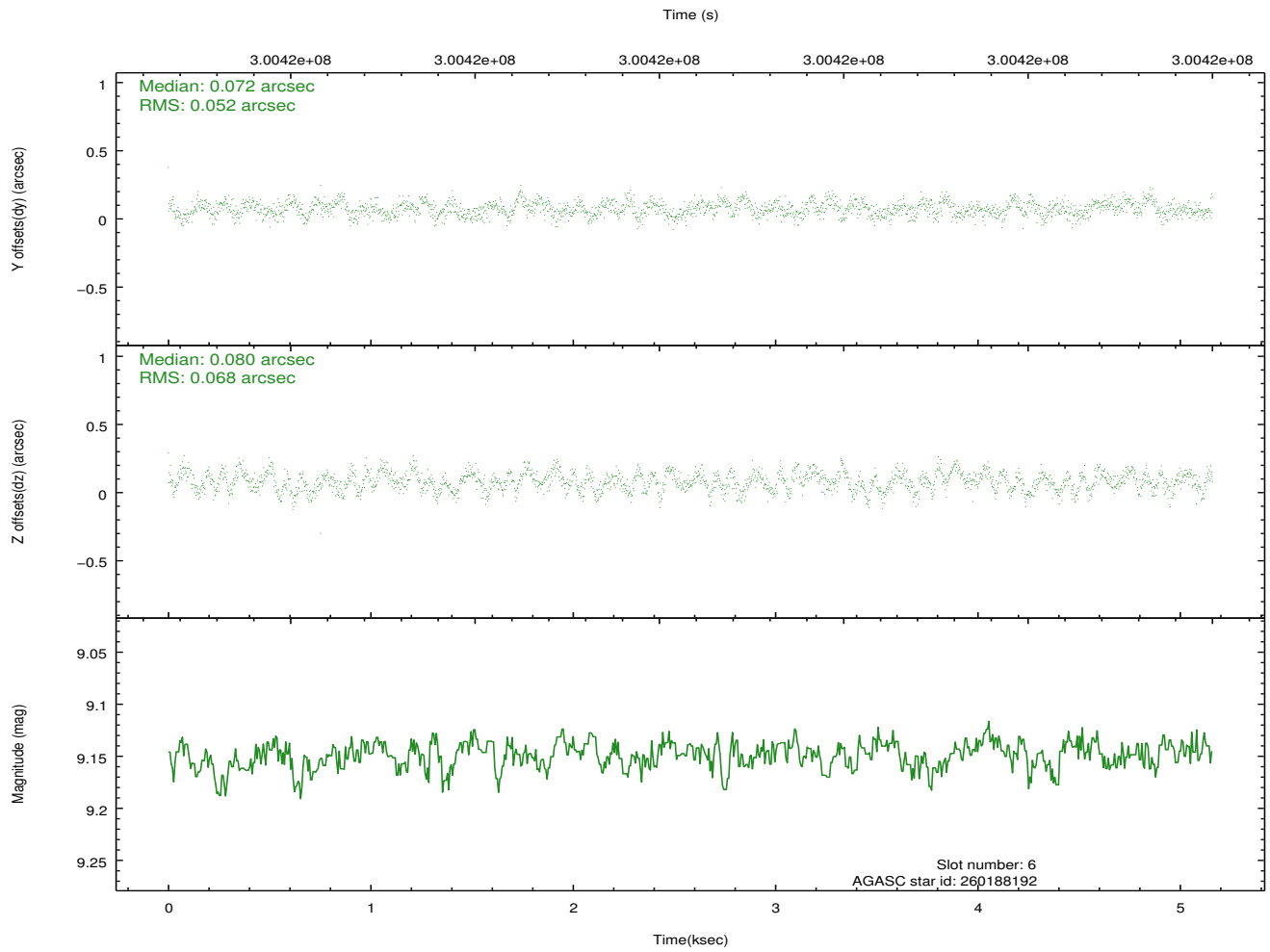
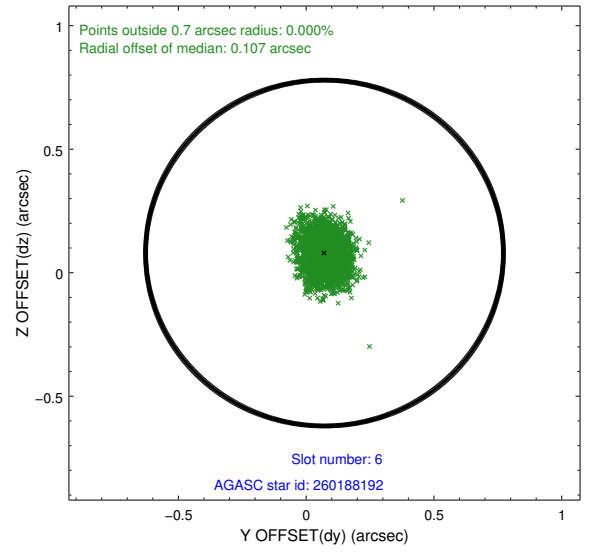
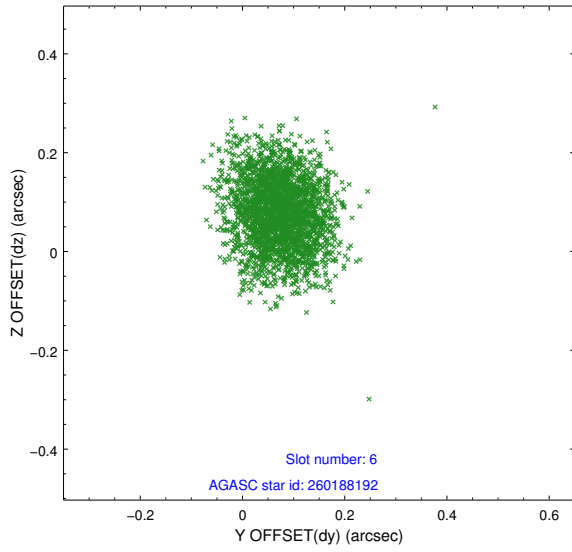
2.4.2 Slot 4



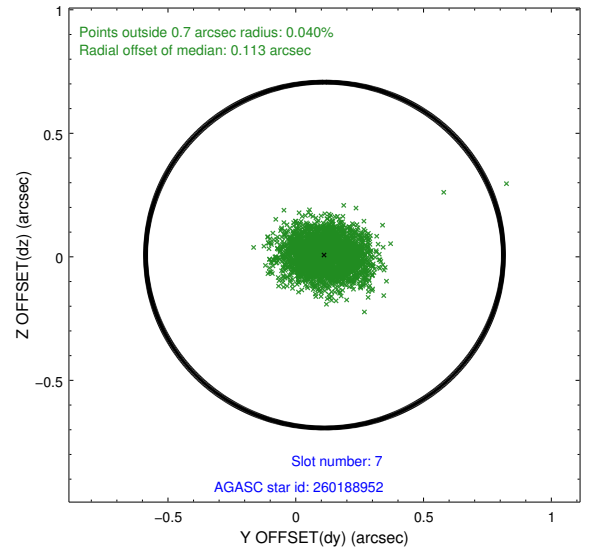
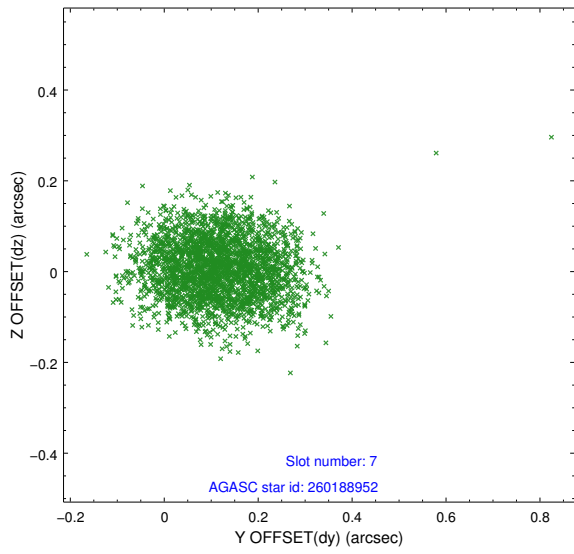
2.4.3 Slot 5



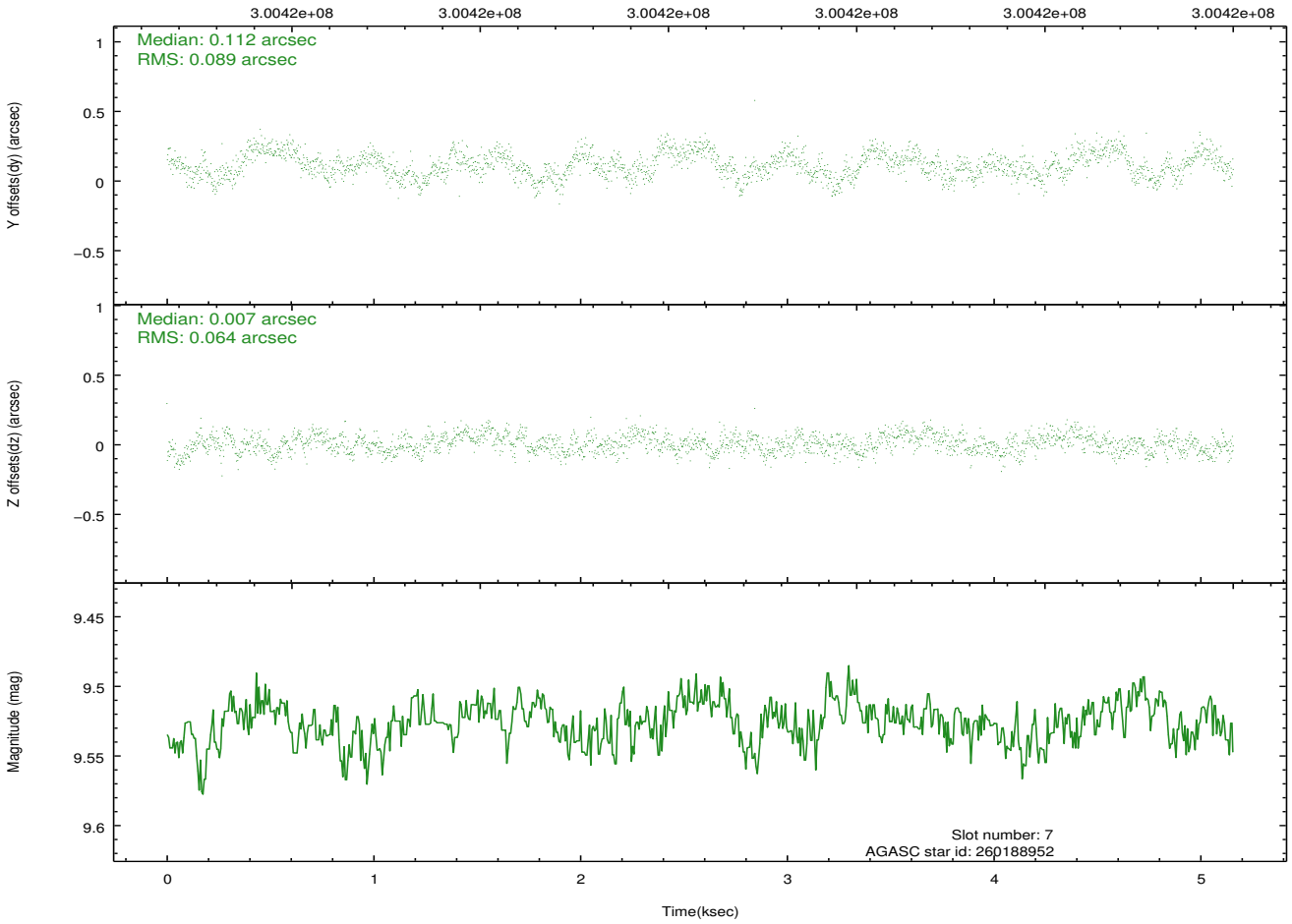
2.4.4 Slot 6



2.4.5 Slot 7

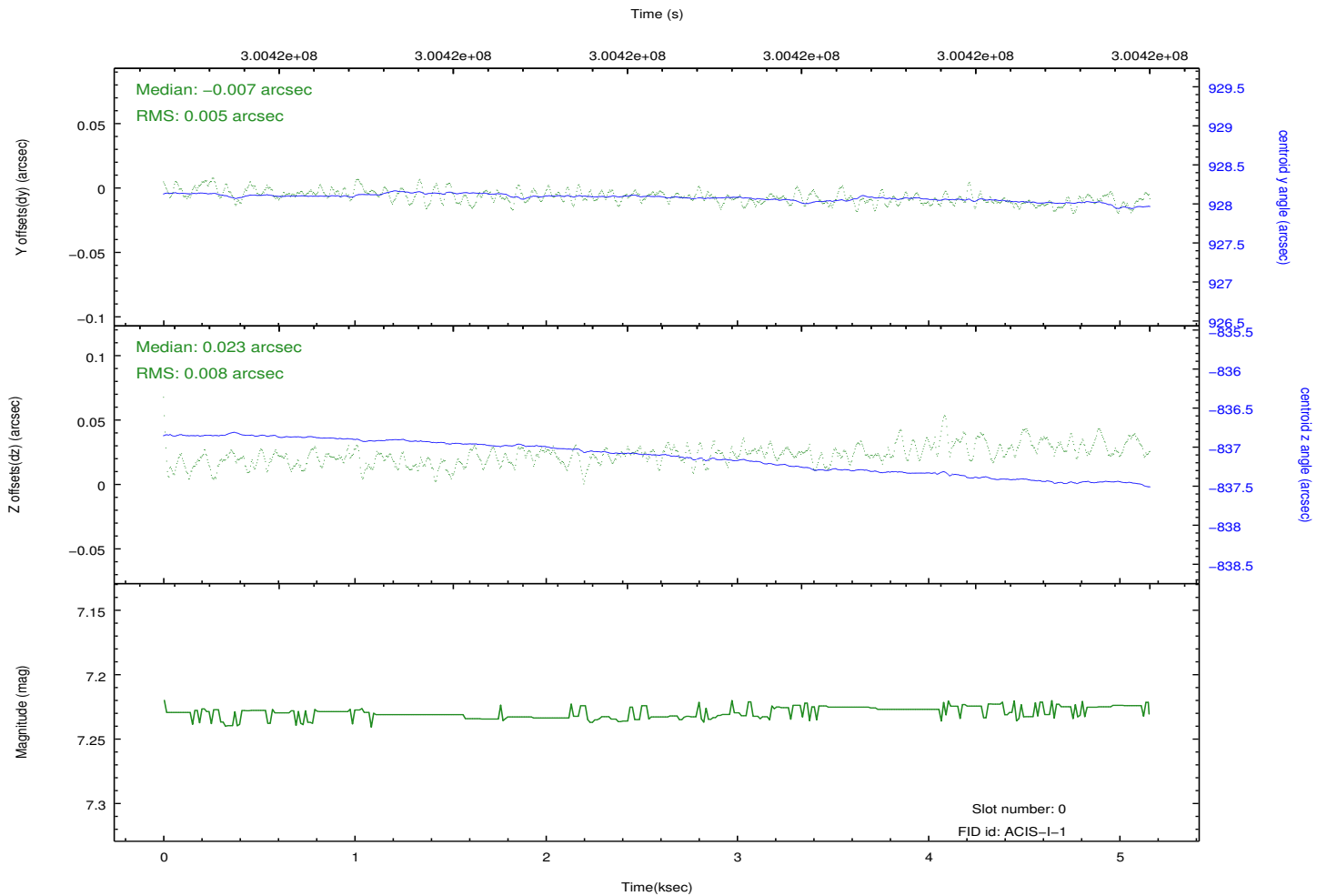
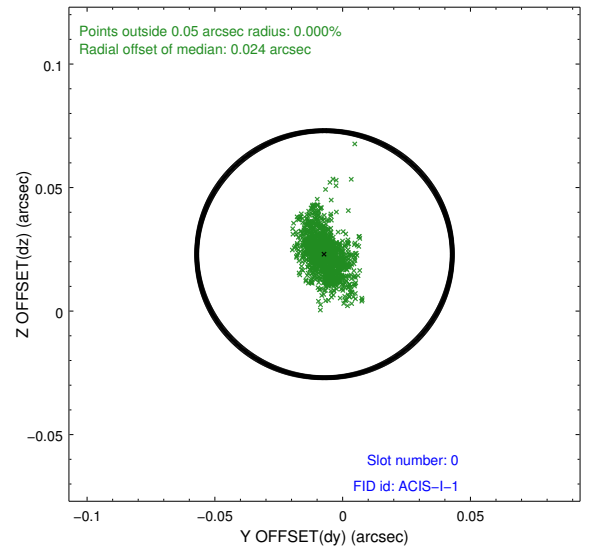
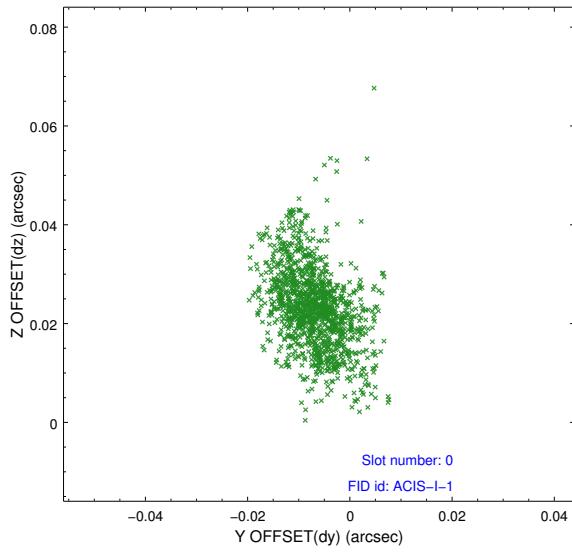


Time (s)

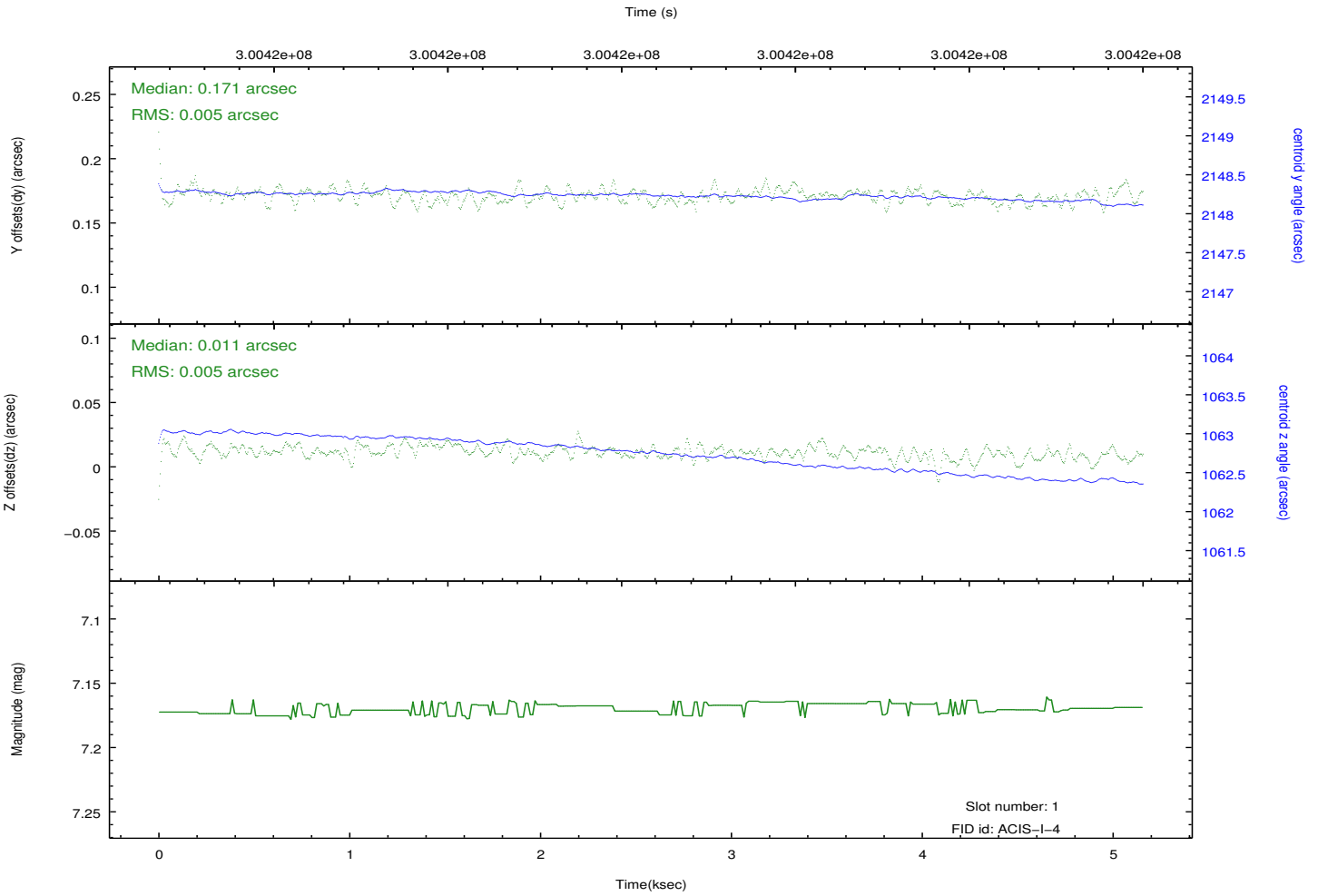
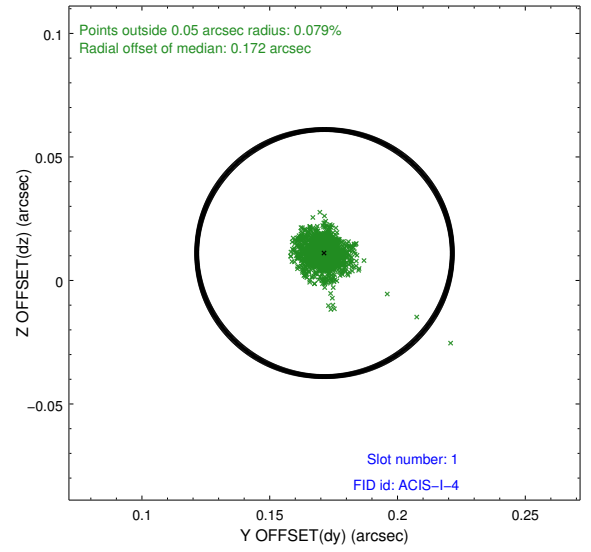
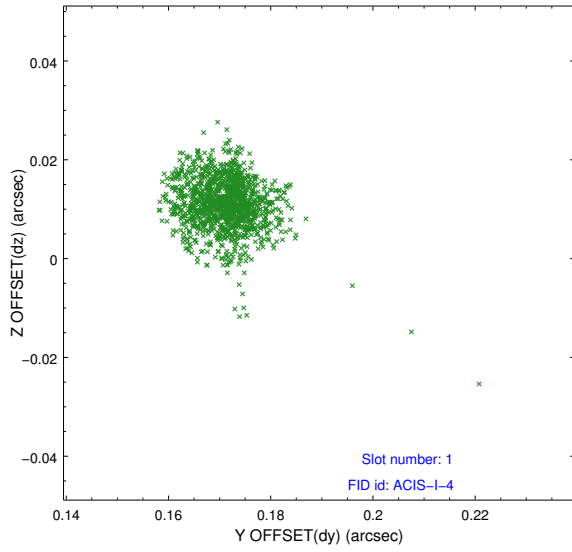


2.5 FID Slots

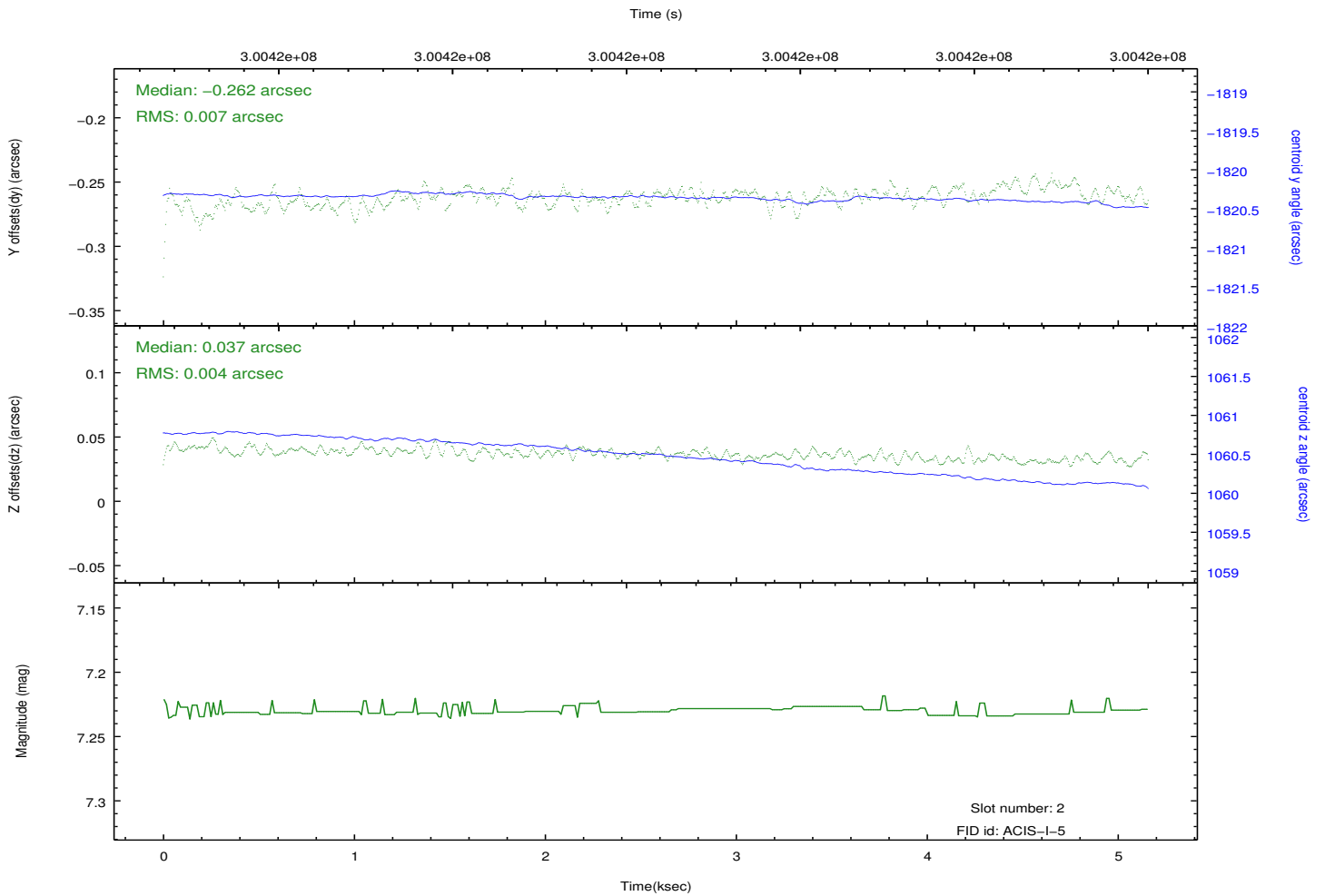
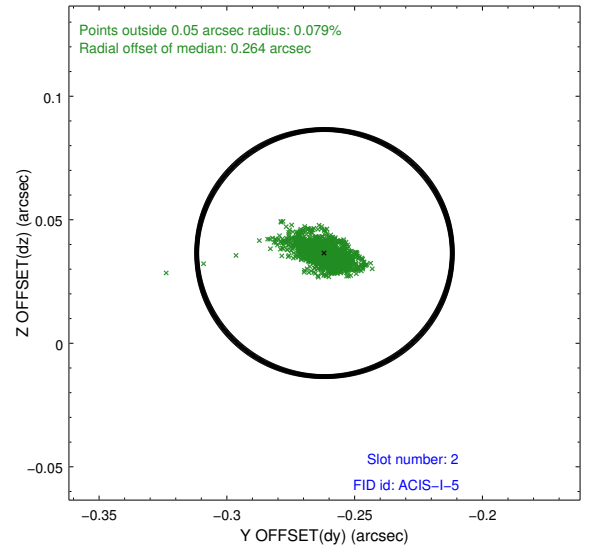
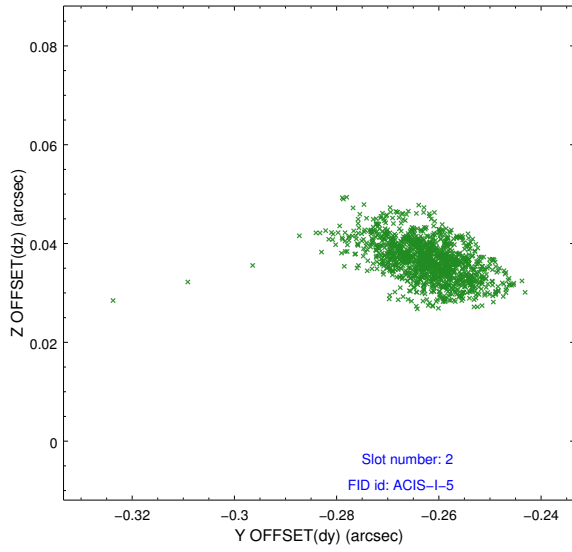
2.5.1 Slot 0



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)	2012.04.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.15220003

A.2 Comments