

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 5859 - L2 Version 2
Chandra X-Ray Center

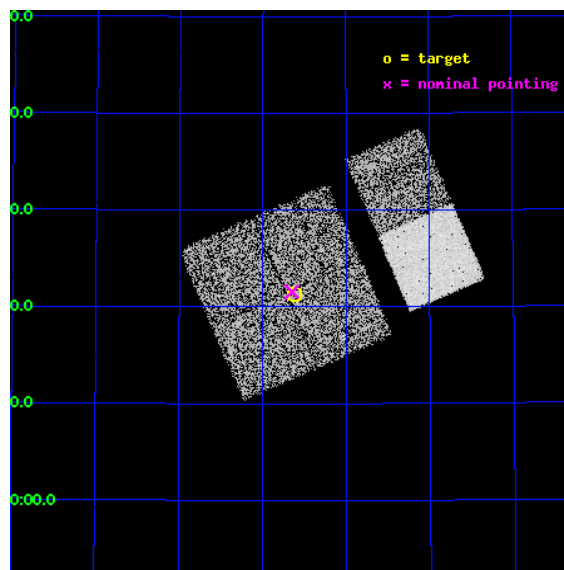
L2 Processing Date : Mar 24 2012

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1 Front

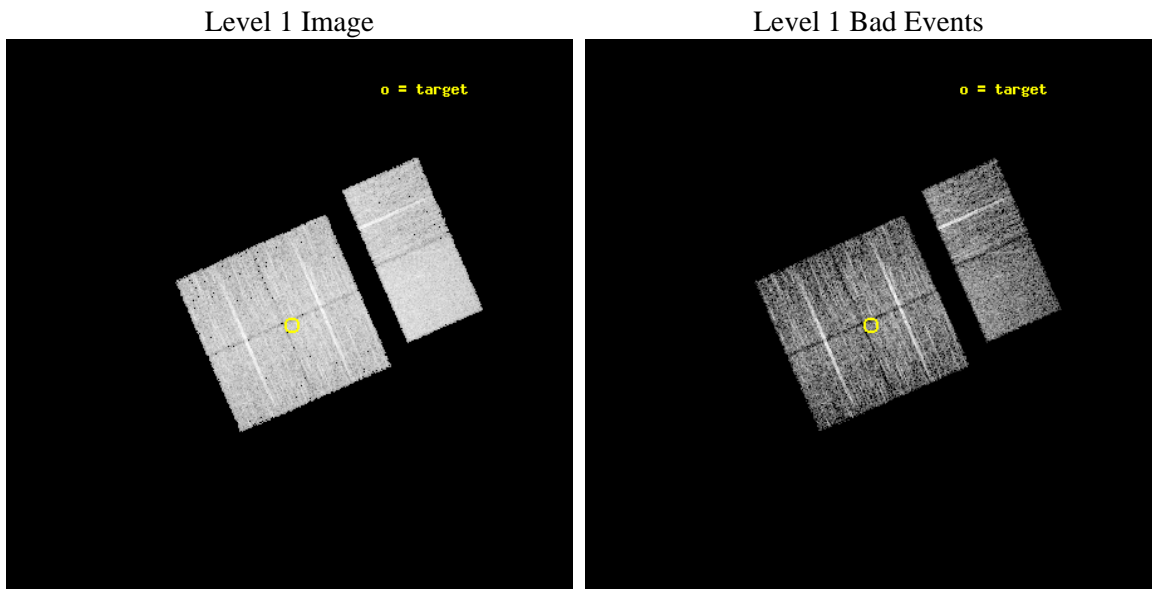
seq_num	900359	Sequence number
obs_id	5859	Observation id
title	The Spectral Energy Distributions of AGN: A Shallow Survey of the ELAIS-N1 Field	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	N1_05	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	241.907083	Observer's specified target RA [deg]
dec_targ	54.356194	Observer's specified target Dec [deg]
ra_nom	241.91285413497	Nominal RA [deg]
dec_nom	54.359413016993	Nominal Dec [deg]
roll_nom	66.395611934844	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4755.1999822855	Sum of GTIs [s]
livetime	4694.9867768721	Livetime [s]
ontime0	4755.1999822855	Sum of GTIs [s]
ontime1	4755.1999822855	Sum of GTIs [s]
ontime2	4755.1999822855	Sum of GTIs [s]
ontime3	4755.1999822855	Sum of GTIs [s]
ontime6	4755.1999822855	Sum of GTIs [s]
ontime7	4755.1999822855	Sum of GTIs [s]
l2events	41776	Number of level 2 events



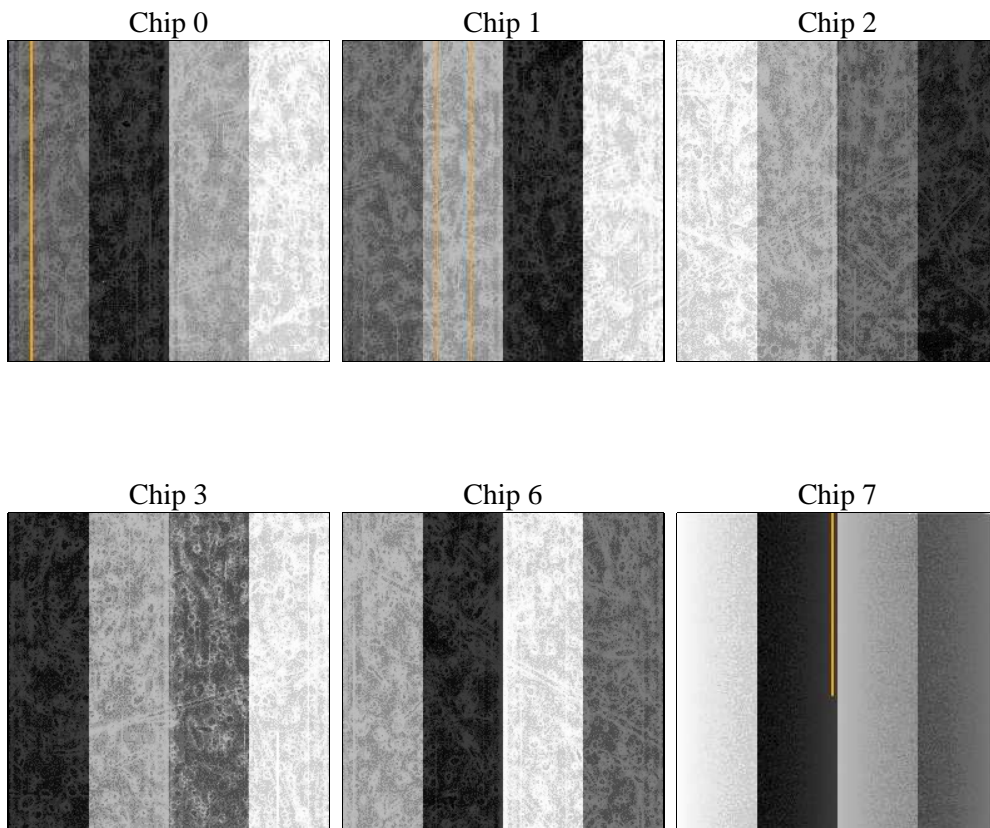
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4800.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	4755.1999822855	Sum of GTIs [s]
caldbver	4.4.8	 	ontime0	4755.1999822855	Sum of GTIs [s]
date	2012-03-24T23:30:05	Date and time of file creation	ontime1	4755.1999822855	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4755.1999822855	Sum of GTIs [s]
			ontime3	4755.1999822855	Sum of GTIs [s]
			ontime6	4755.1999822855	Sum of GTIs [s]
			ontime7	4755.1999822855	Sum of GTIs [s]
			l1events	246413	Number of level 1 events

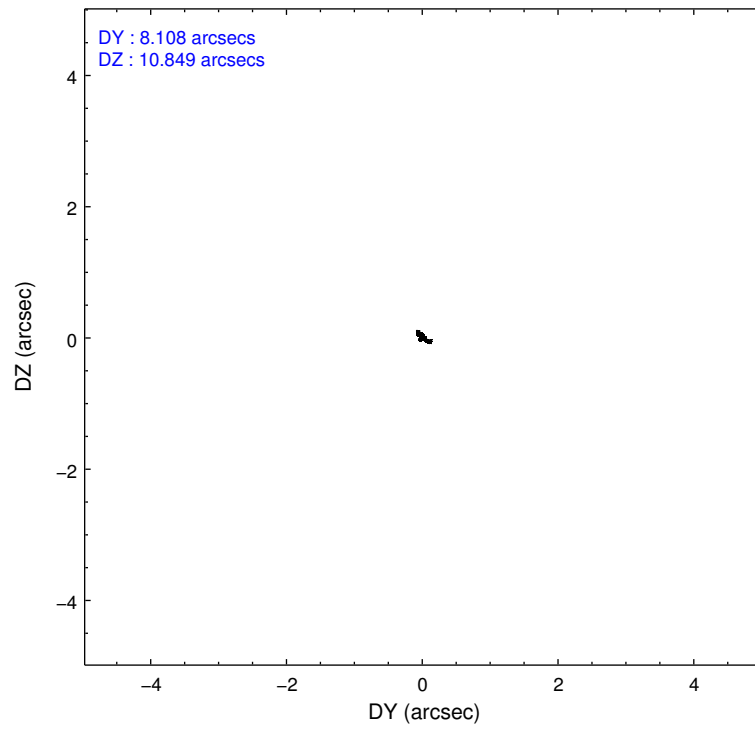
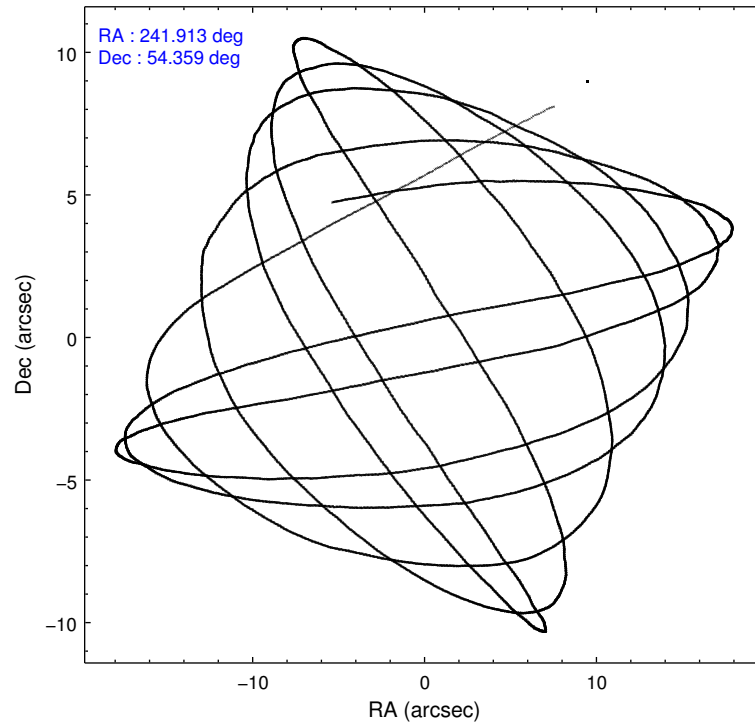
2.1.4 Events

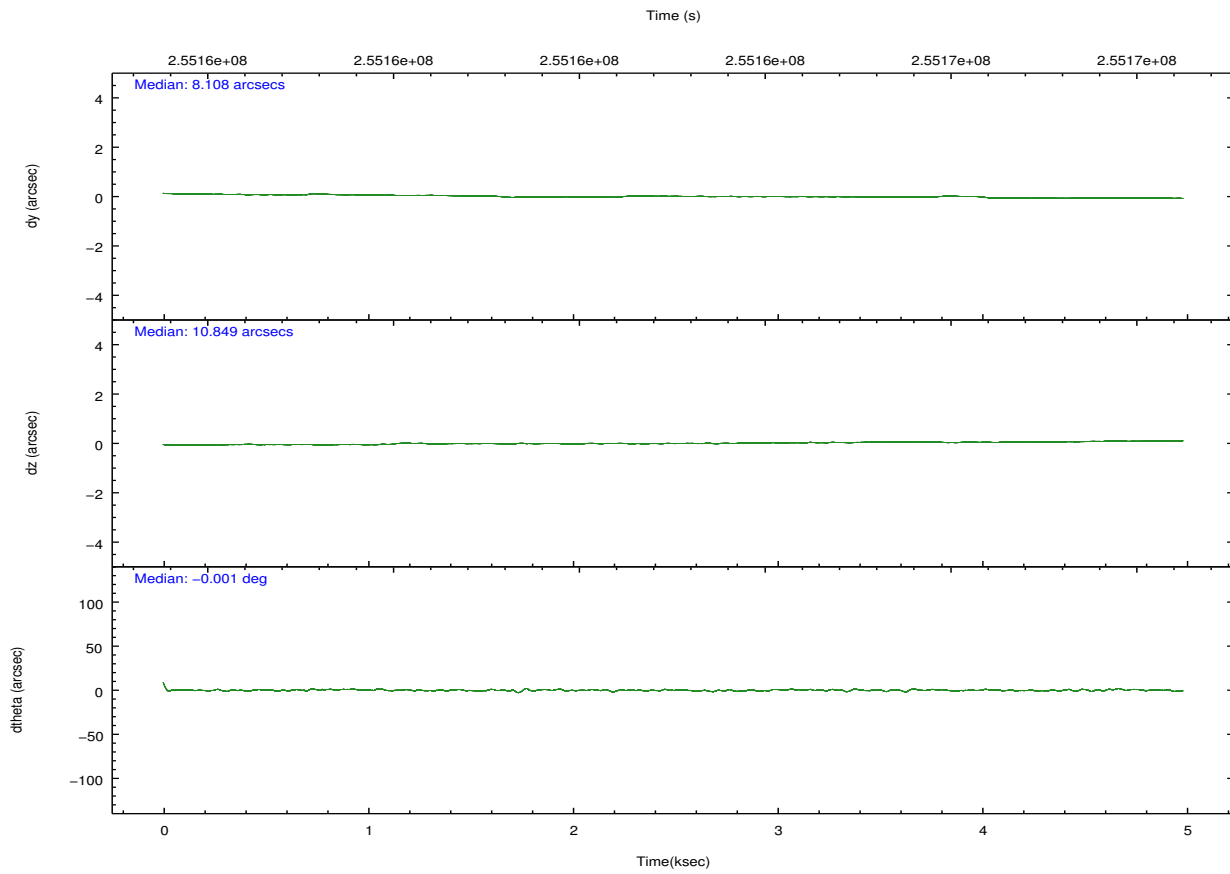
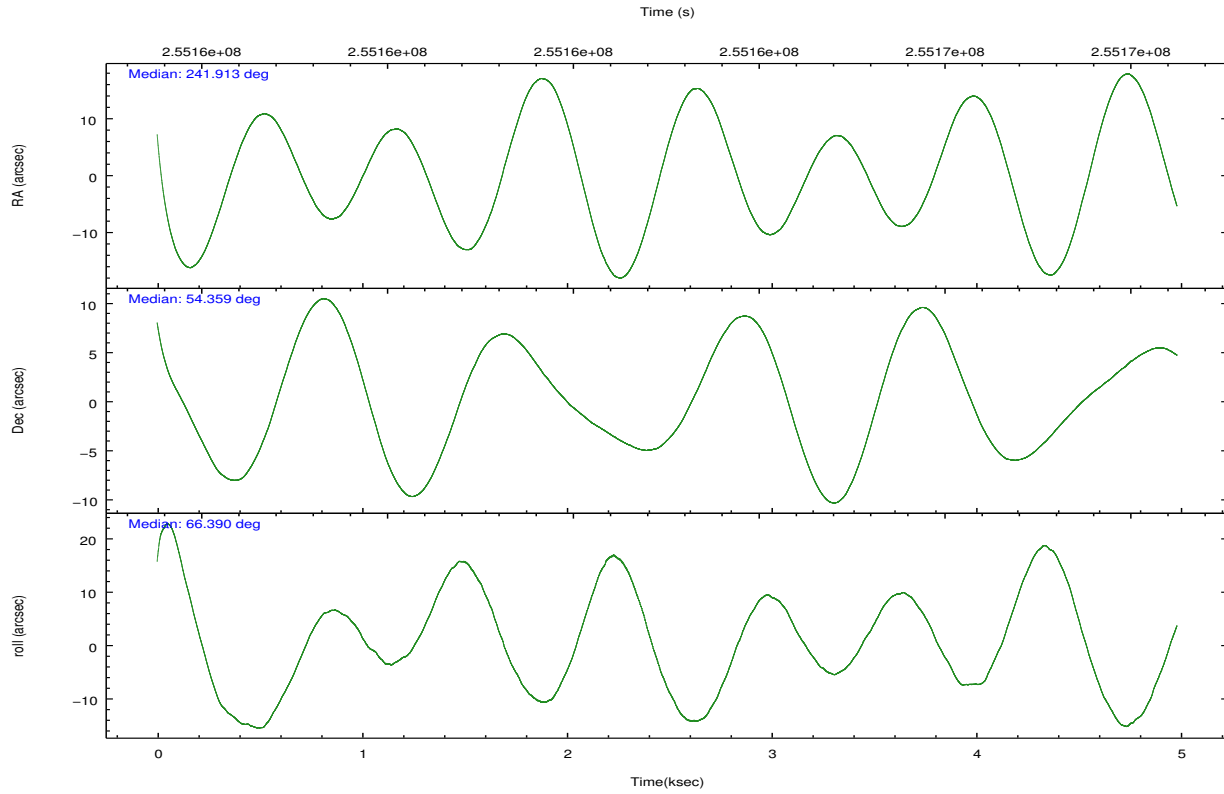
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	36537	35382	40744	39925	39764	54061	grade 0 events	2094	1912	2013	2031	1739	1963
rejected events	31740	30439	36048	35408	35138	32082		5%	5%	4%	5%	4%	3%
rejected %	86%	86%	88%	88%	88%	59%	grade 1 events	31	28	32	22	18	51
								0%	0%	0%	0%	0%	0%
							grade 2 events	1005	1100	971	868	1005	4406
								2%	3%	2%	2%	2%	8%
							grade 3 events	454	473	437	448	465	1881
								1%	1%	1%	1%	1%	3%
							grade 4 events	416	482	482	407	436	1868
								1%	1%	1%	1%	1%	3%
							grade 5 events	1585	1736	1522	1772	1858	5052
								4%	4%	3%	4%	4%	9%
							grade 6 events	833	982	800	770	989	11898
								2%	2%	1%	1%	2%	22%
							grade 7 events	30119	28669	34487	33607	33254	26942
								82%	81%	84%	84%	83%	49%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	241.918270	241.9128541349729	Subarray requested	NONE	NONE
[deg] Pointing Dec	54.332182	54.3594130169933	Alternating exposures requested	N	N
[deg] Pointing Roll	66.182487	66.39561193484357	[s] Primary exposure time	0.000000	3.2
[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)	255162193.184000	255161219.24112			
Observation start date	2006-02-01T06:22:08	2006-02-01T06:06:59			
[s] Observation end time (MET)	255166993.184000	255167127.3414			
Observation end date	2006-02-01T07:42:08	2006-02-01T07:45:27			
Read mode	TIMED	TIMED			

2.3 Aspect



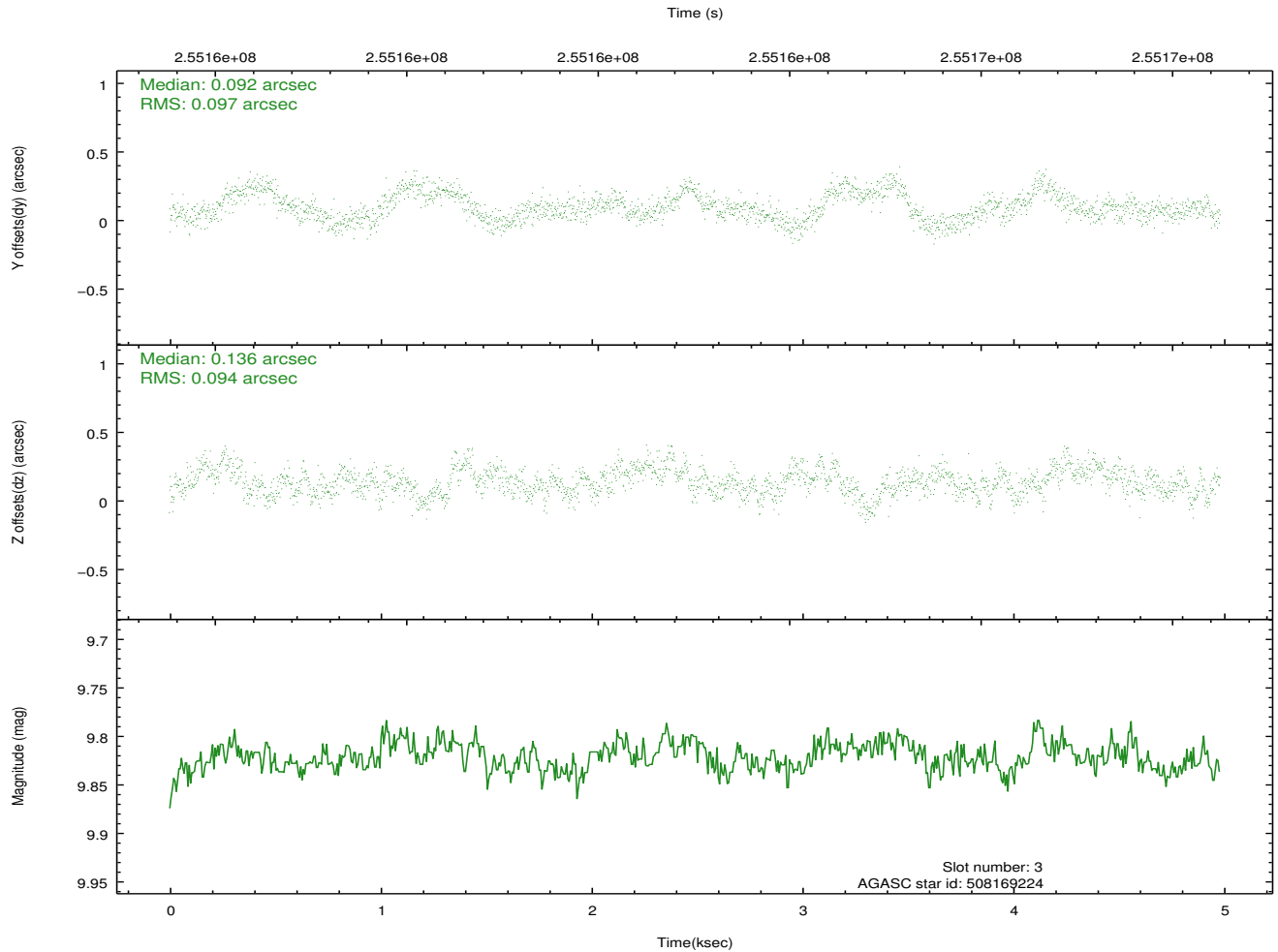
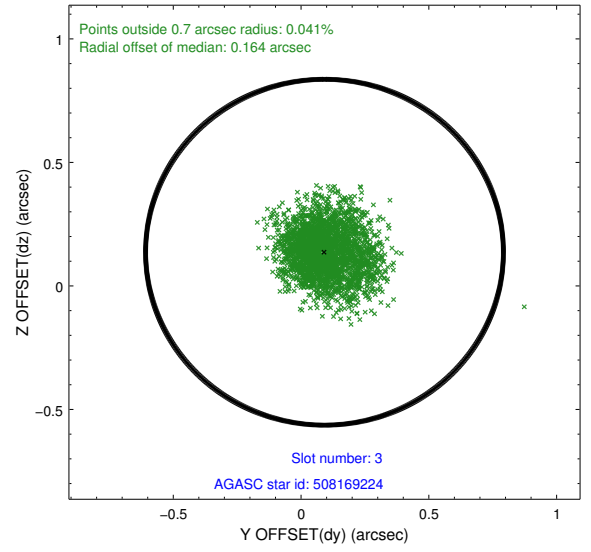
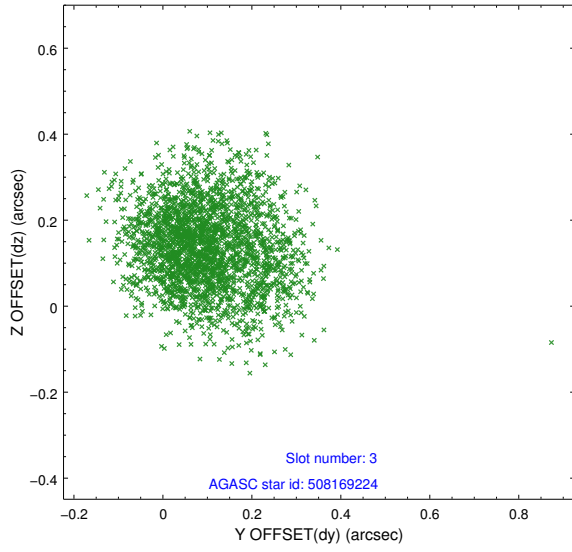


Slot Statistics

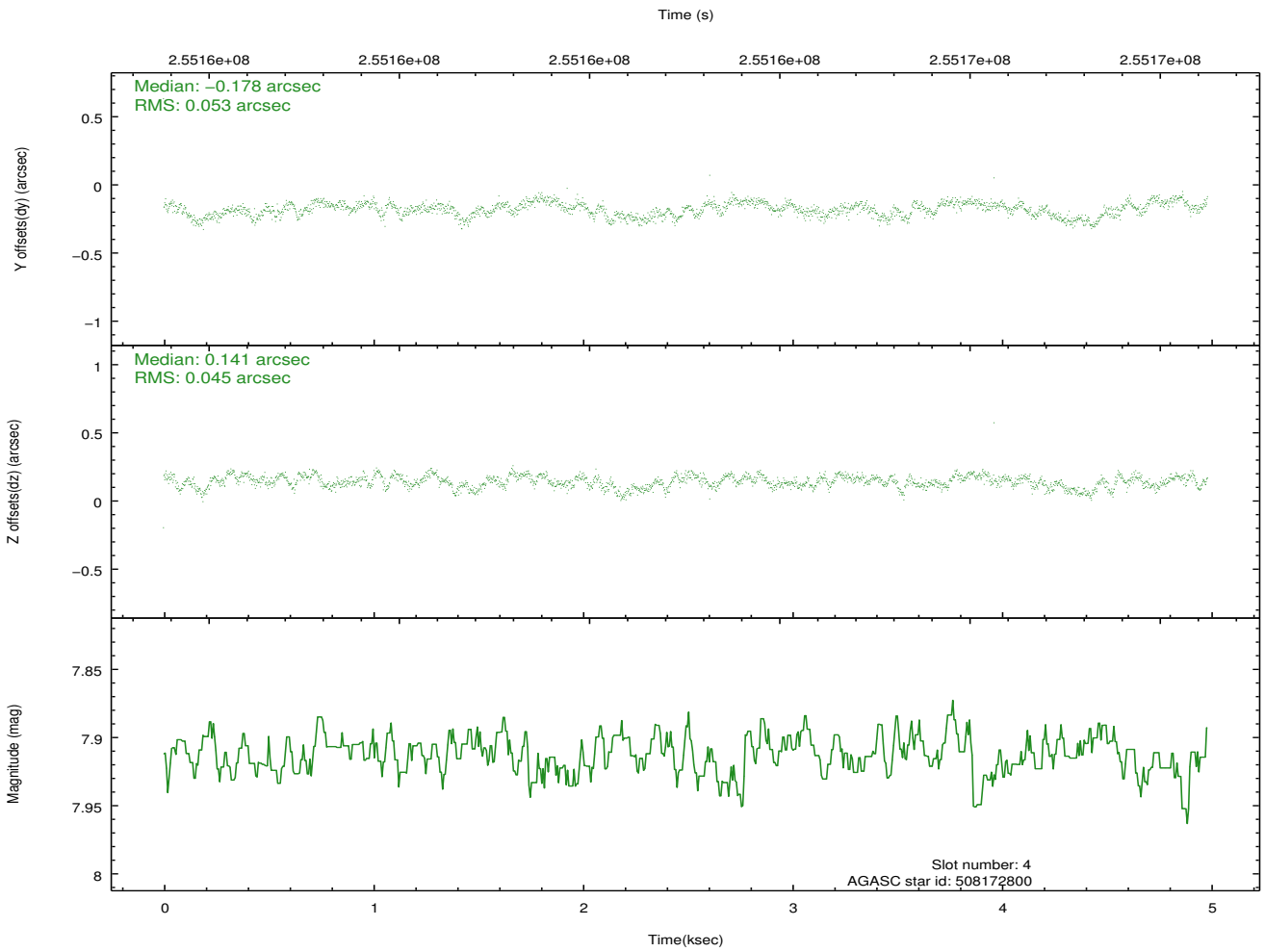
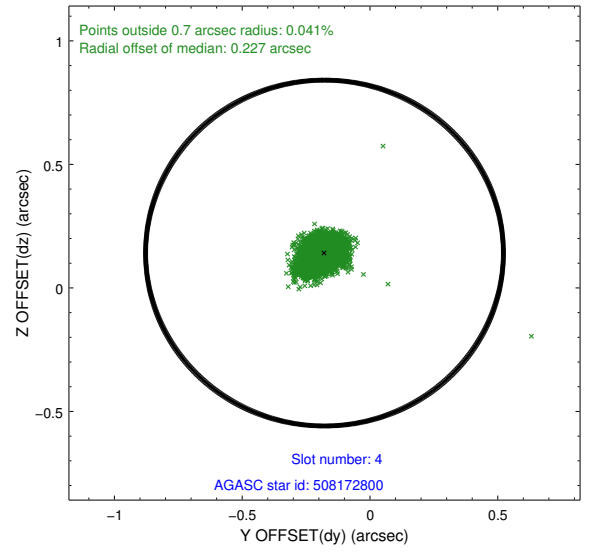
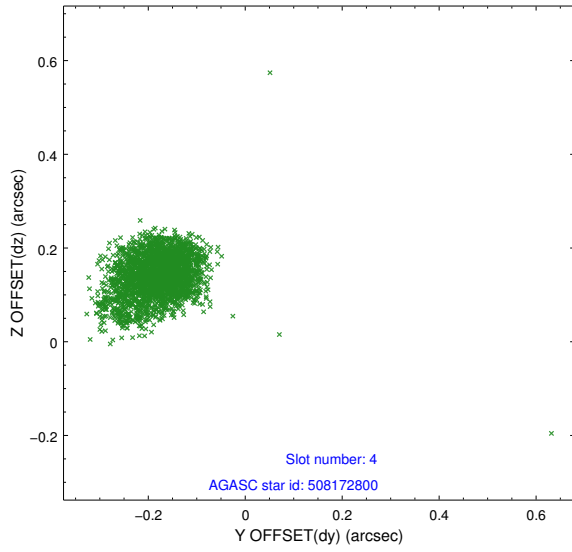
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	1215	-0.086	-0.093	0.009	0.015	0.000000	0.000000	-762.74	-840.80
1	FID	ACIS-I-4	7.18	1216	0.187	0.078	0.006	0.011	0.000000	0.000000	2151.06	1064.89
2	FID	ACIS-I-5	7.22	1216	-0.201	0.084	0.009	0.015	0.000000	0.000000	-1815.08	1064.19
3	GUIDE	508169224	9.82	2431	0.092	0.136	0.146	0.228	242.580277	53.826359	-1091.34	-2019.47
4	GUIDE	508172800	7.91	2431	-0.178	0.141	0.070	0.117	242.573753	54.657892	1629.39	-773.13
5	GUIDE	508173376	8.32	2432	0.098	-0.082	0.071	0.117	241.134254	54.422412	-356.98	1636.83
6	GUIDE	508170896	9.00	2429	0.094	-0.145	0.075	0.118	242.052968	54.527984	758.89	28.01
7	GUIDE	508166912	9.88	2421	-0.104	-0.052	0.160	0.254	241.478927	54.924337	1586.05	1693.74

2.4 Star Slots

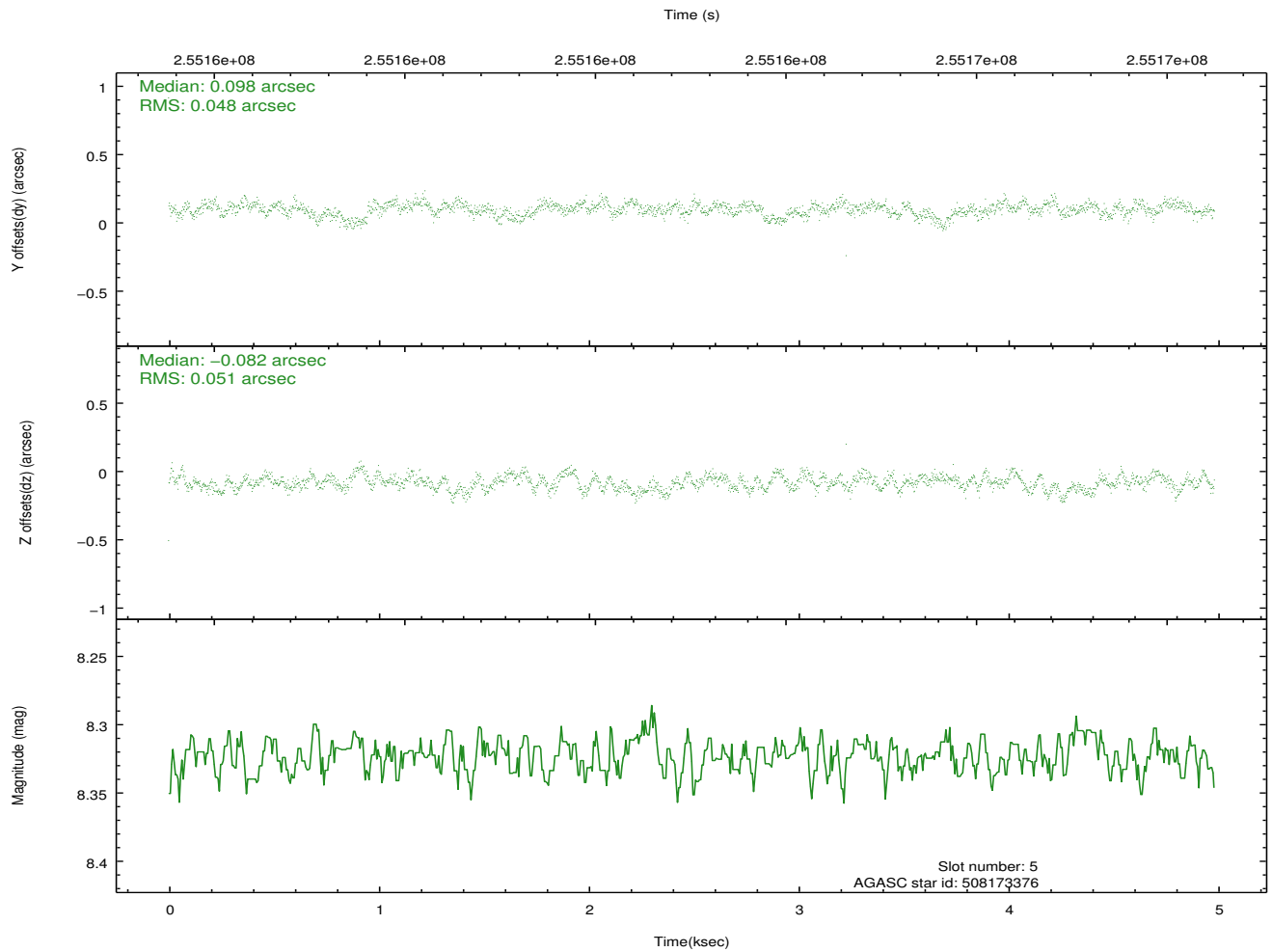
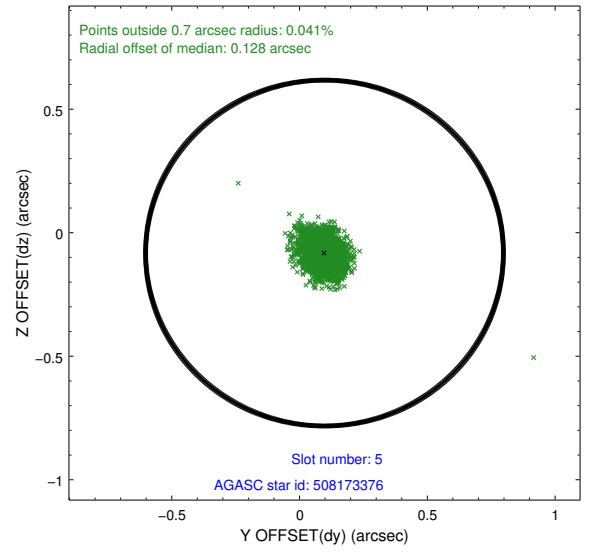
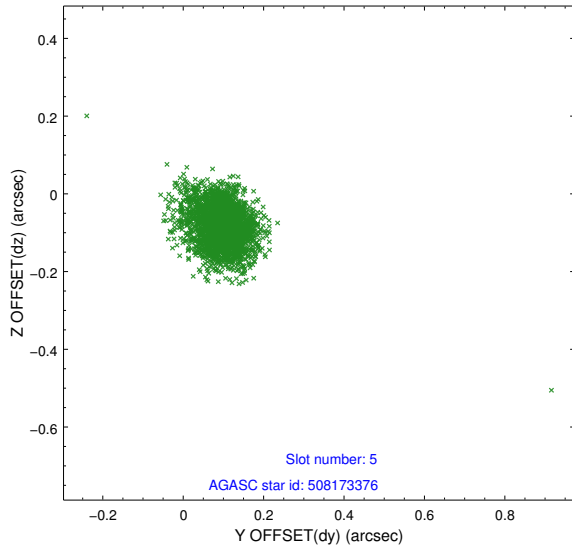
2.4.1 Slot 3



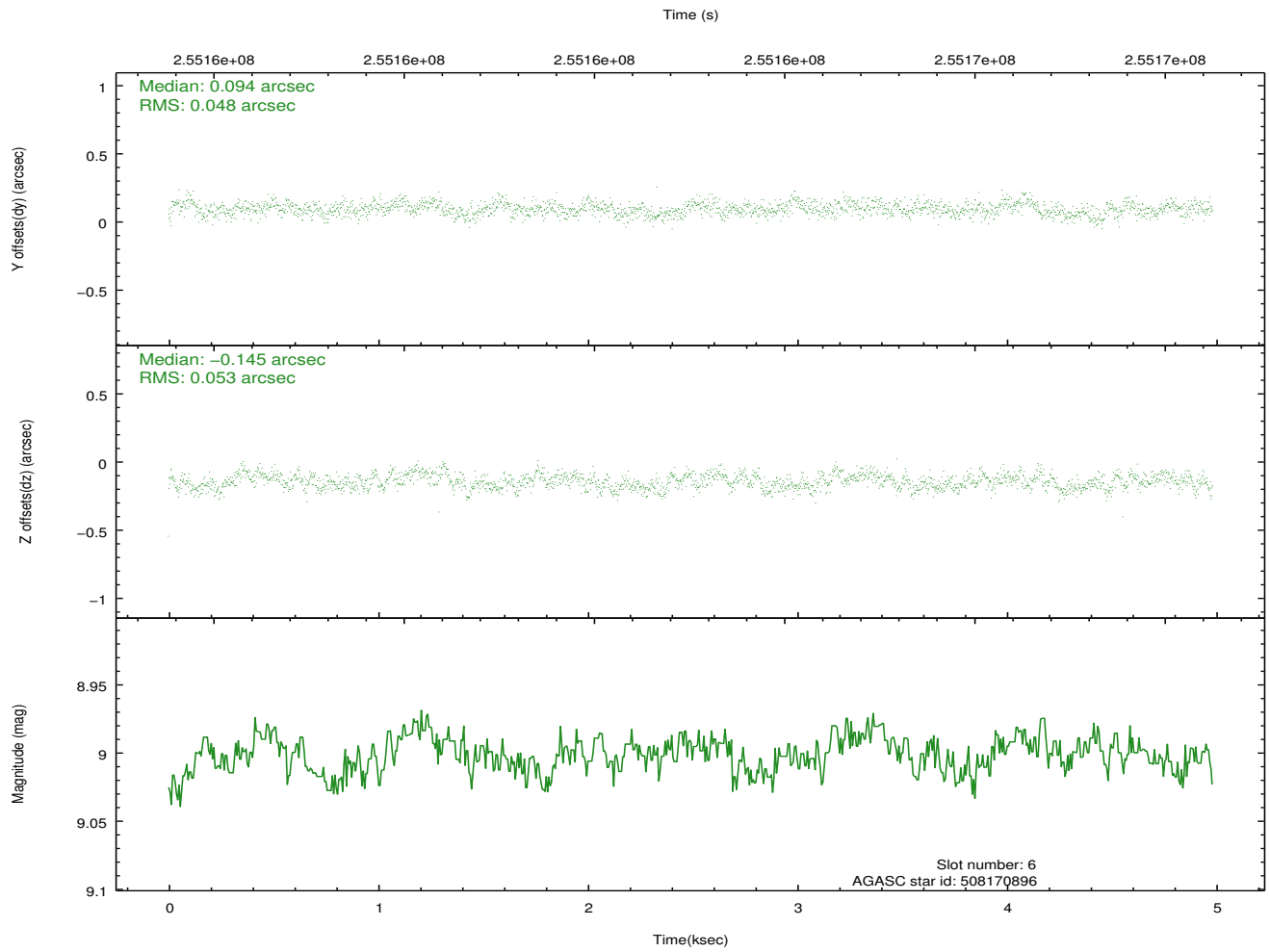
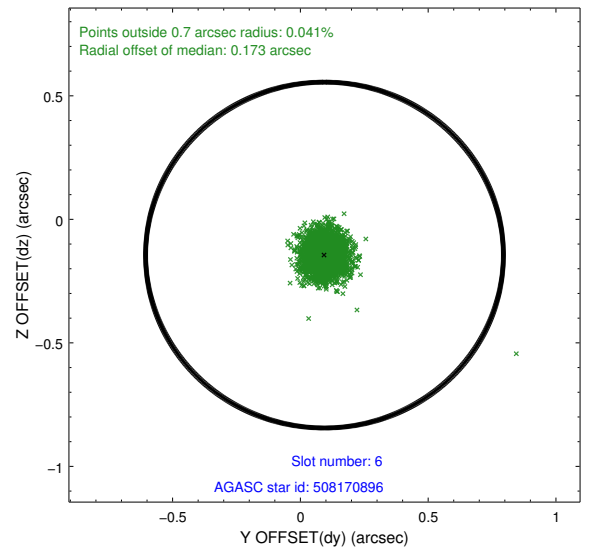
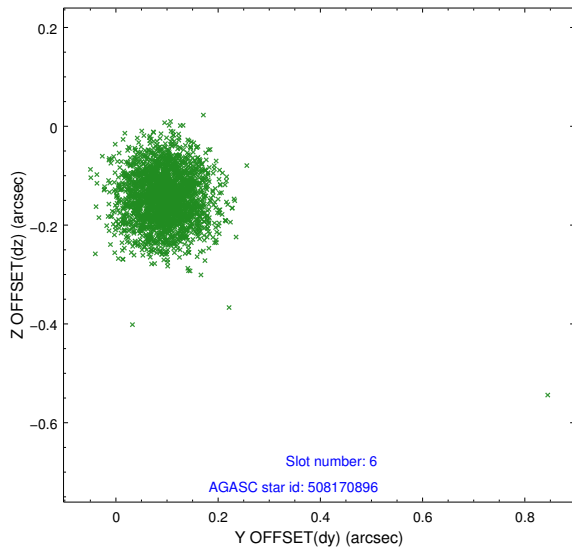
2.4.2 Slot 4



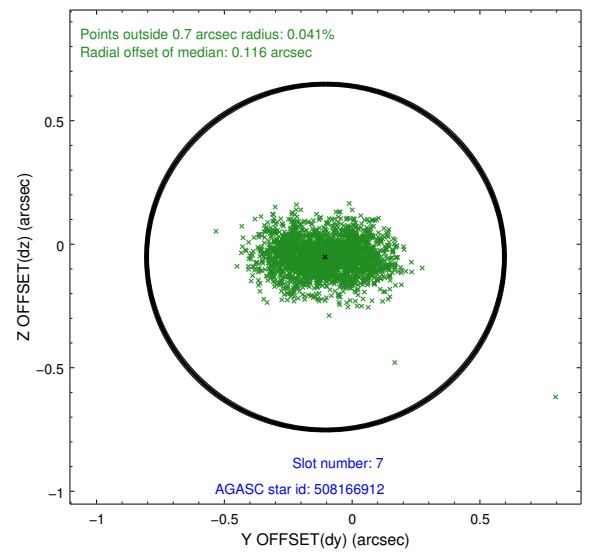
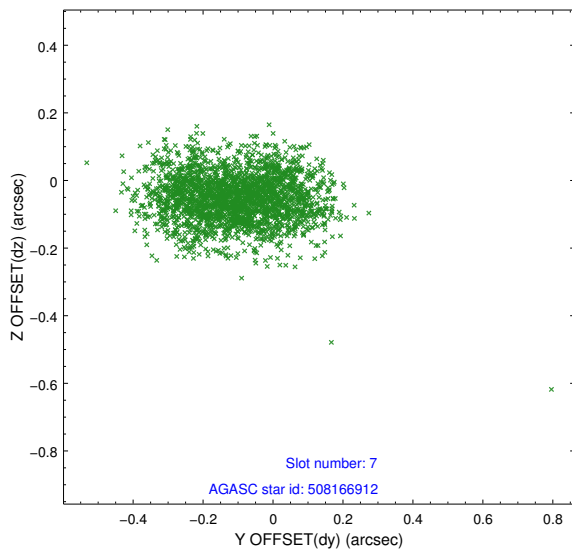
2.4.3 Slot 5



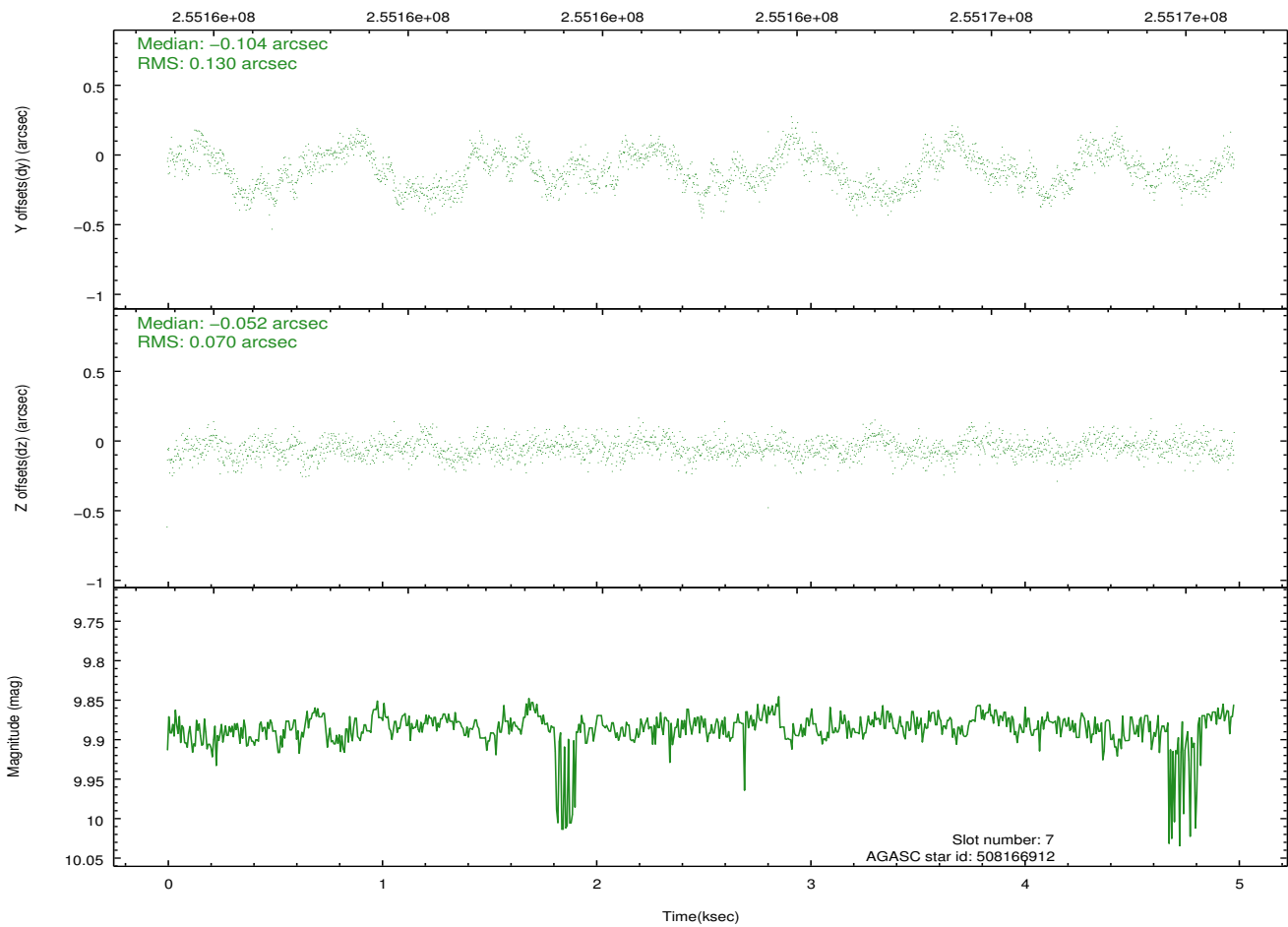
2.4.4 Slot 6



2.4.5 Slot 7

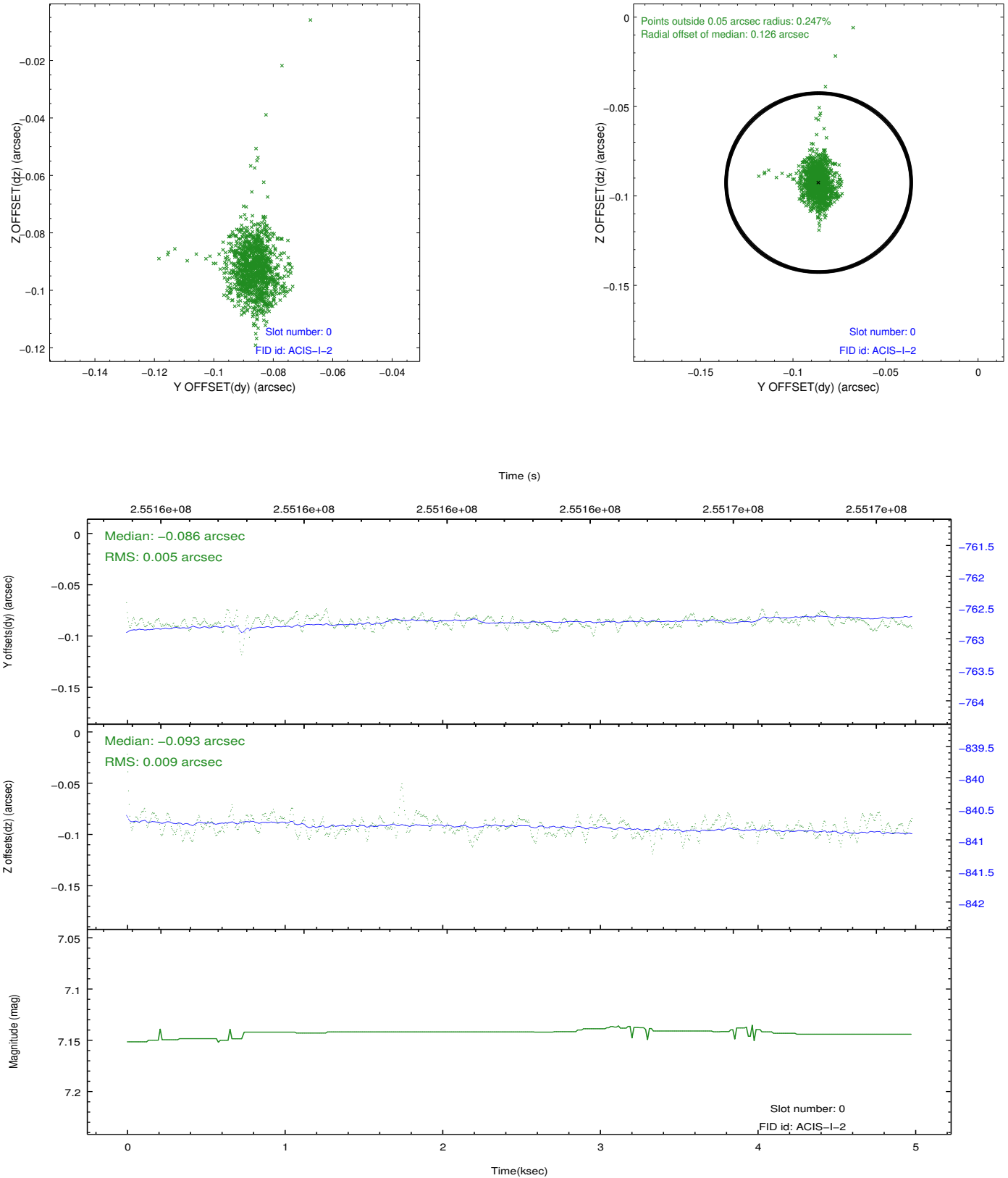


Time (s)

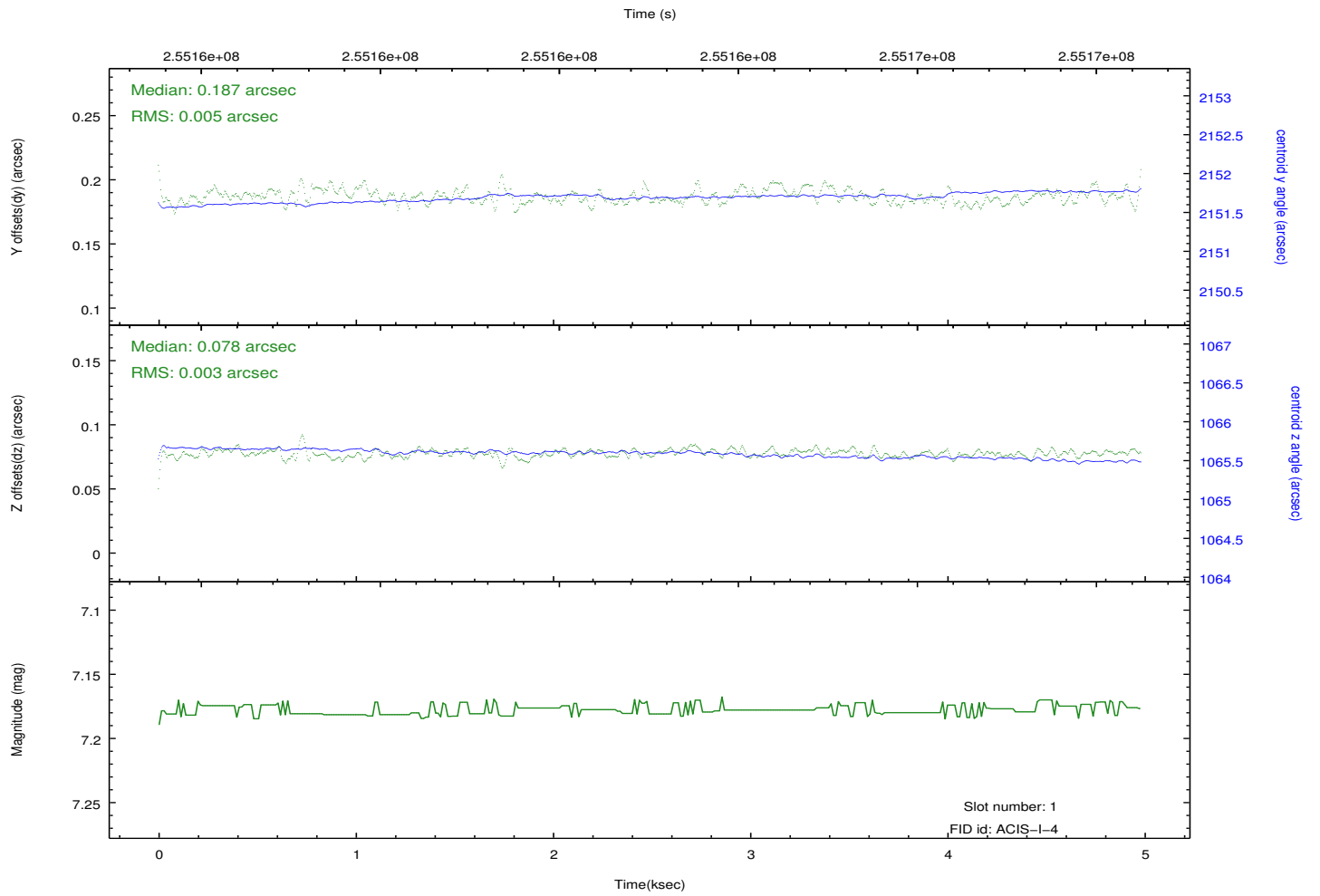
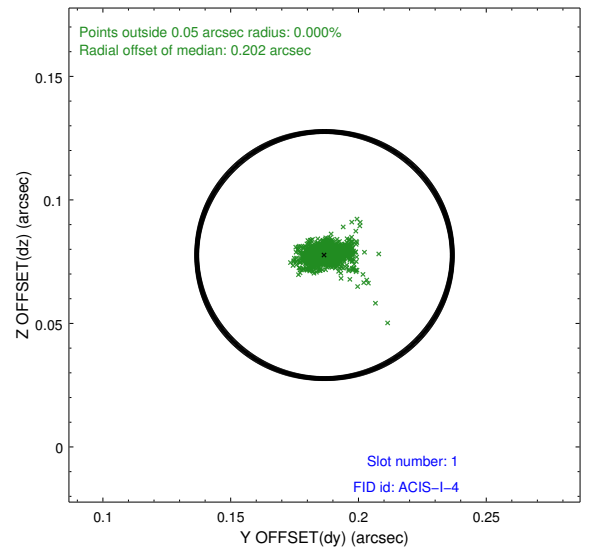
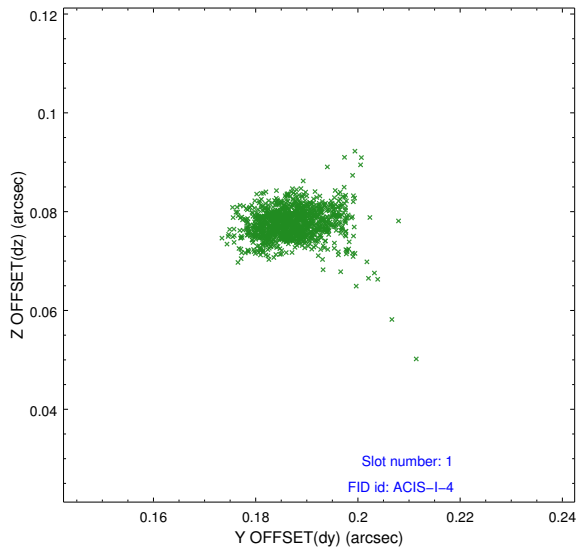


2.5 FID Slots

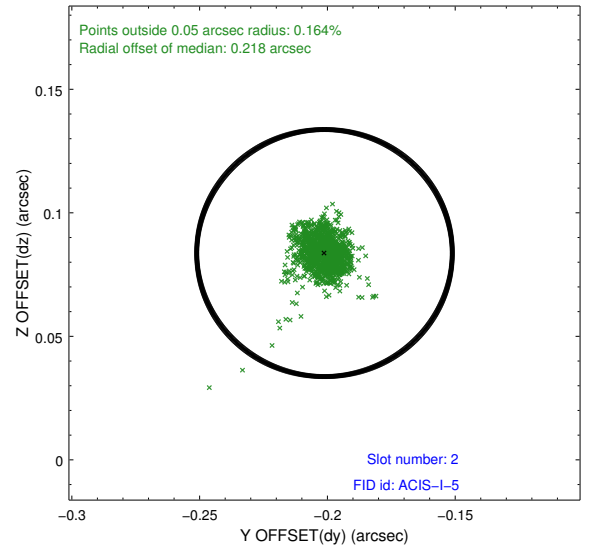
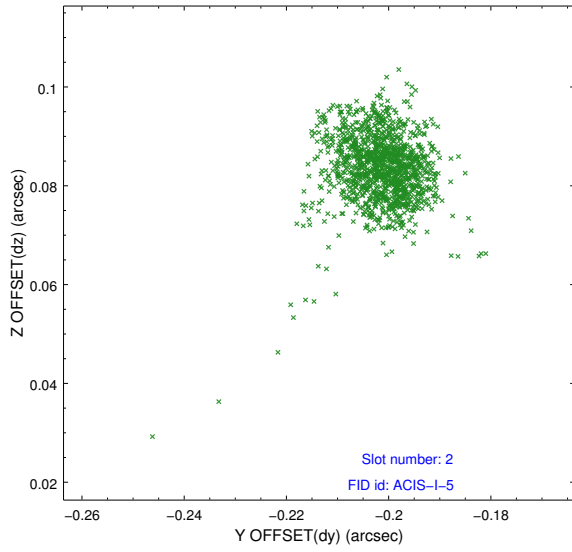
2.5.1 Slot 0



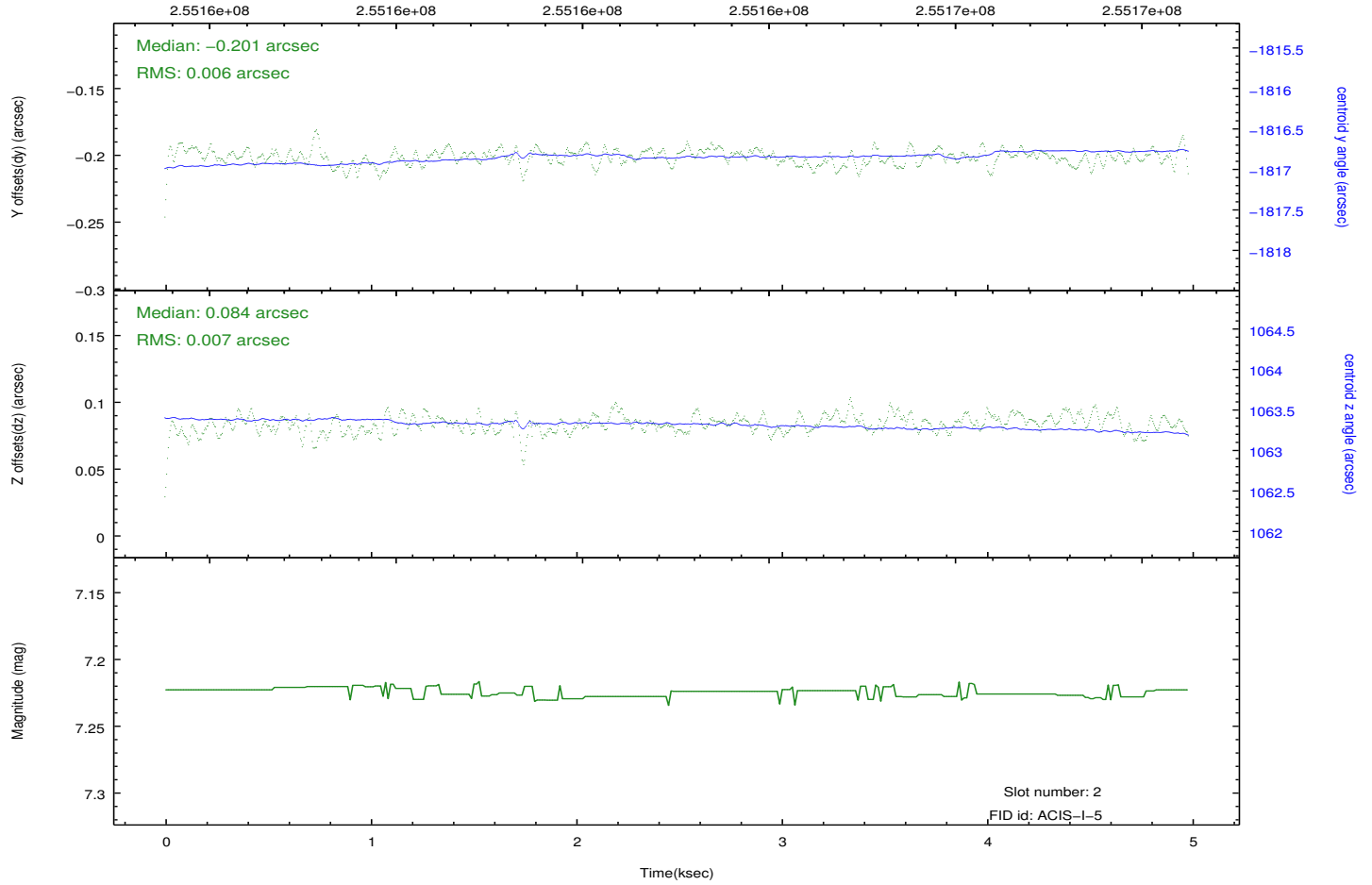
2.5.2 Slot 1



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.75519998

A.2 Comments