

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9224 - L2 Version 2
Chandra X-Ray Center

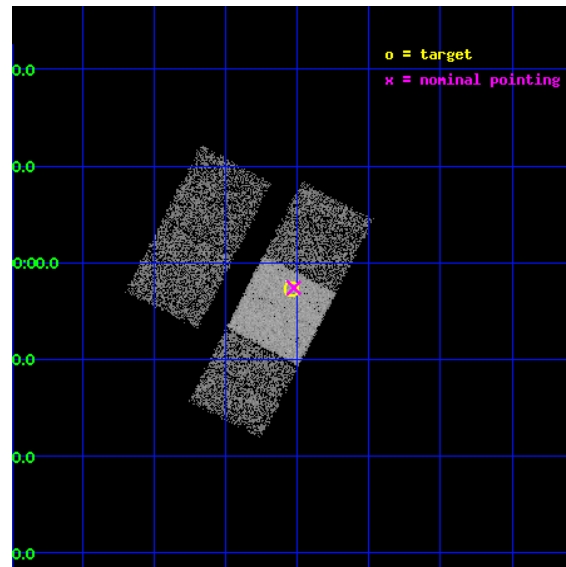
L2 Processing Date : May 15 2012

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1 Front

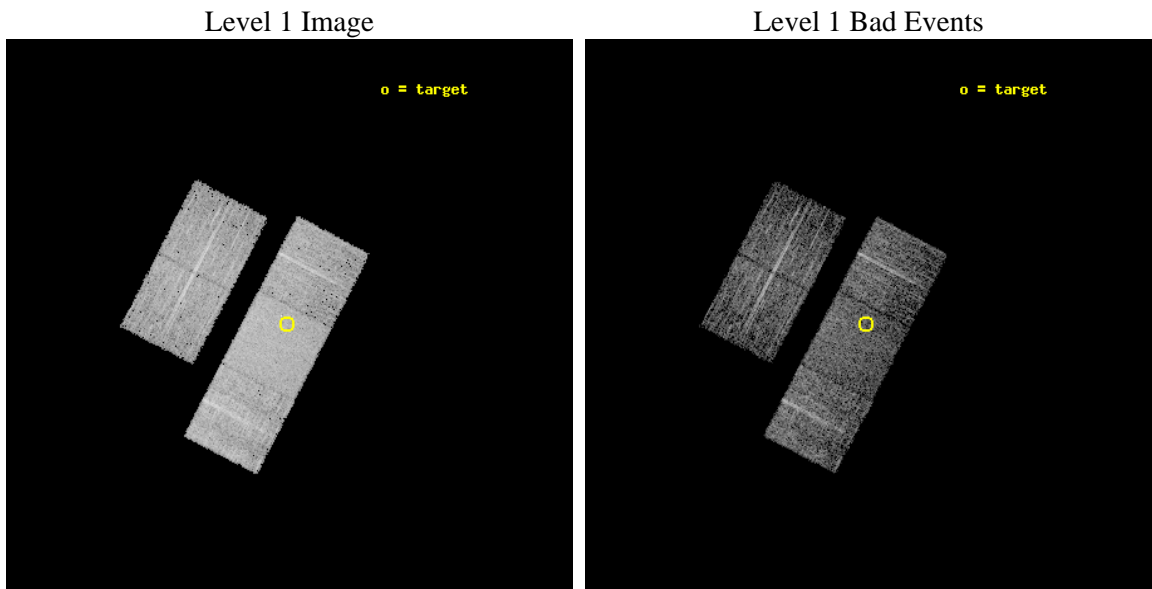
seq_num	701665	Sequence number
obs_id	9224	Observation id
title	Deconstructing the Accretion Disk Wind in Quasars	Proposal title
observer	Dr. Gordon Richards	Principal investigator
object	SDSS J0051-0102	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	12.76	Observer's specified target RA [deg]
dec_targ	-1.045667	Observer's specified target Dec [deg]
ra_nom	12.755868000179	Nominal RA [deg]
dec_nom	-1.0433114355013	Nominal Dec [deg]
roll_nom	117.45034138666	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3623.9000278711	Sum of GTIs [s]
livetime	3576.5511061306	Livetime [s]
ontime2	3623.9000278711	Sum of GTIs [s]
ontime3	3623.9000278711	Sum of GTIs [s]
ontime6	3623.9000278711	Sum of GTIs [s]
ontime7	3623.9000278711	Sum of GTIs [s]
ontime8	3623.9000278711	Sum of GTIs [s]
l2events	34475	Number of level 2 events



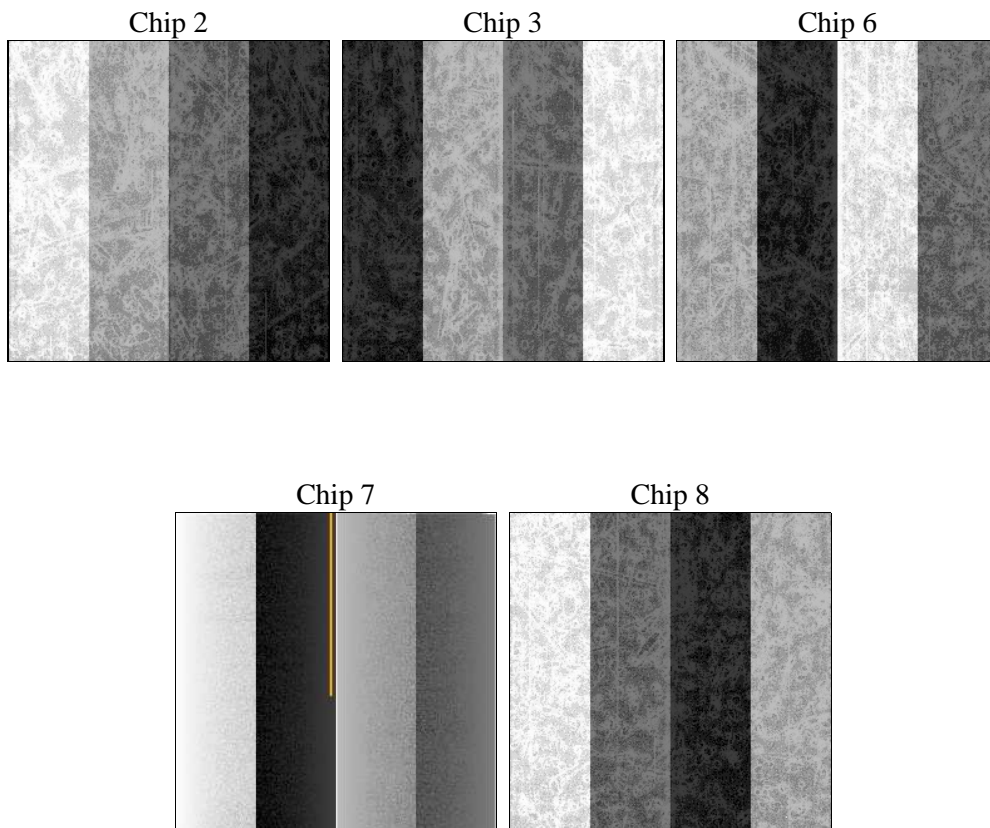
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3623.9000278711	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3623.9000278711	Sum of GTIs [s]
date	2012-05-15T15:07:31	Date and time of file creation	ontime3	3623.9000278711	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3623.9000278711	Sum of GTIs [s]
			ontime7	3623.9000278711	Sum of GTIs [s]
			ontime8	3623.9000278711	Sum of GTIs [s]
			l1events	222689	Number of level 1 events

2.1.4 Events

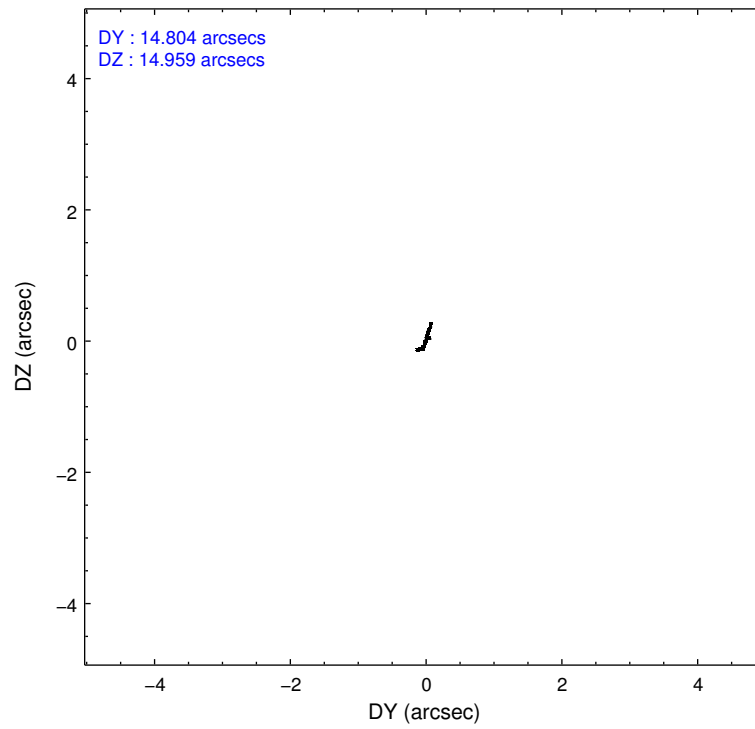
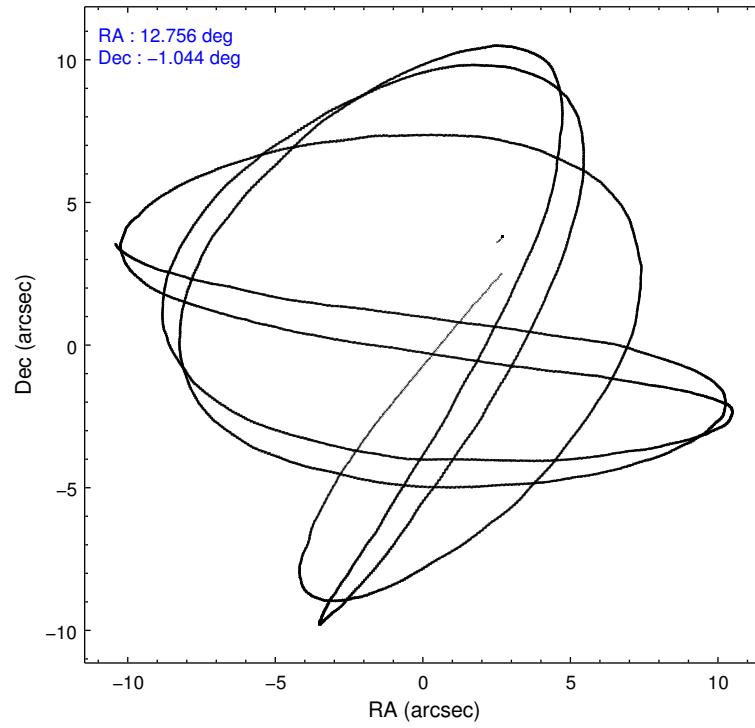
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	37186	38378	40042	54752	52331
rejected events	33197	34205	35796	34866	41892
rejected %	89%	89%	89%	63%	80%

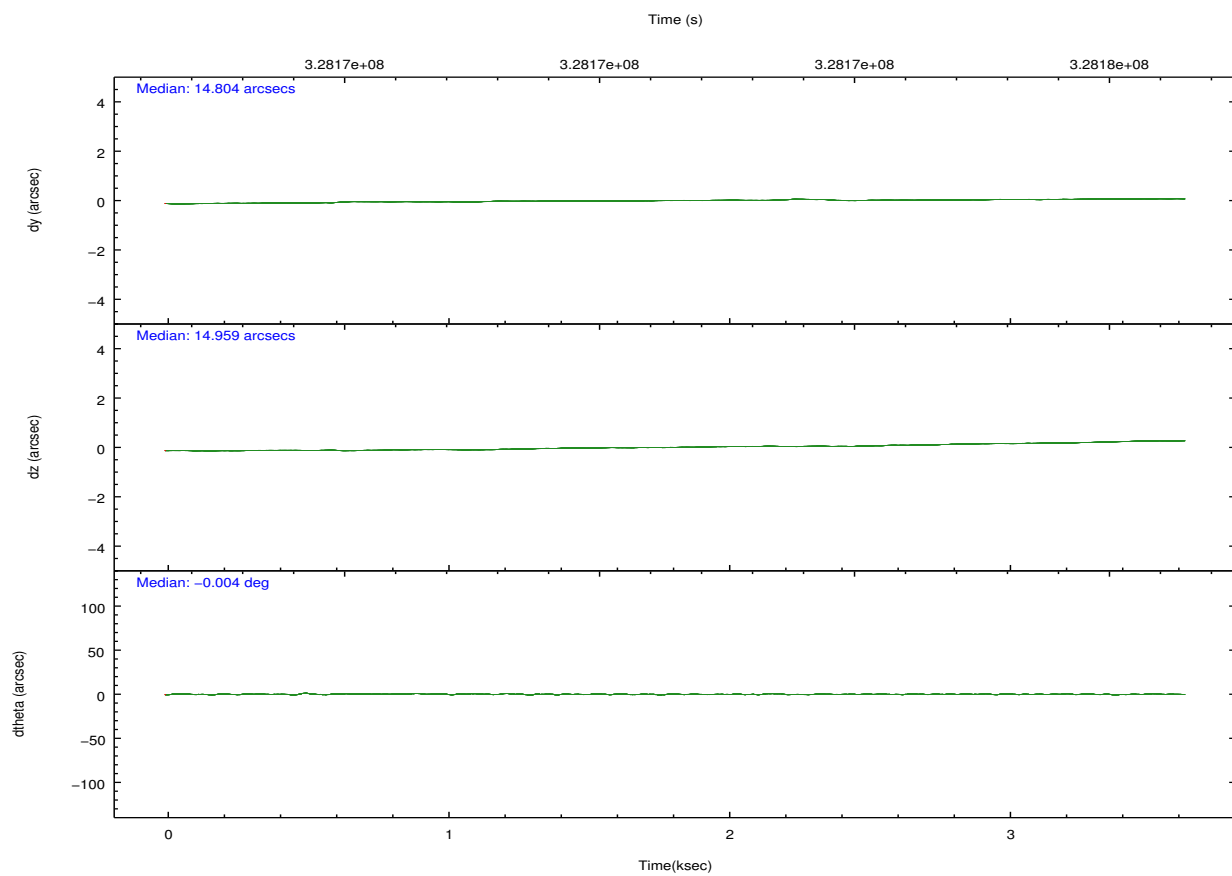
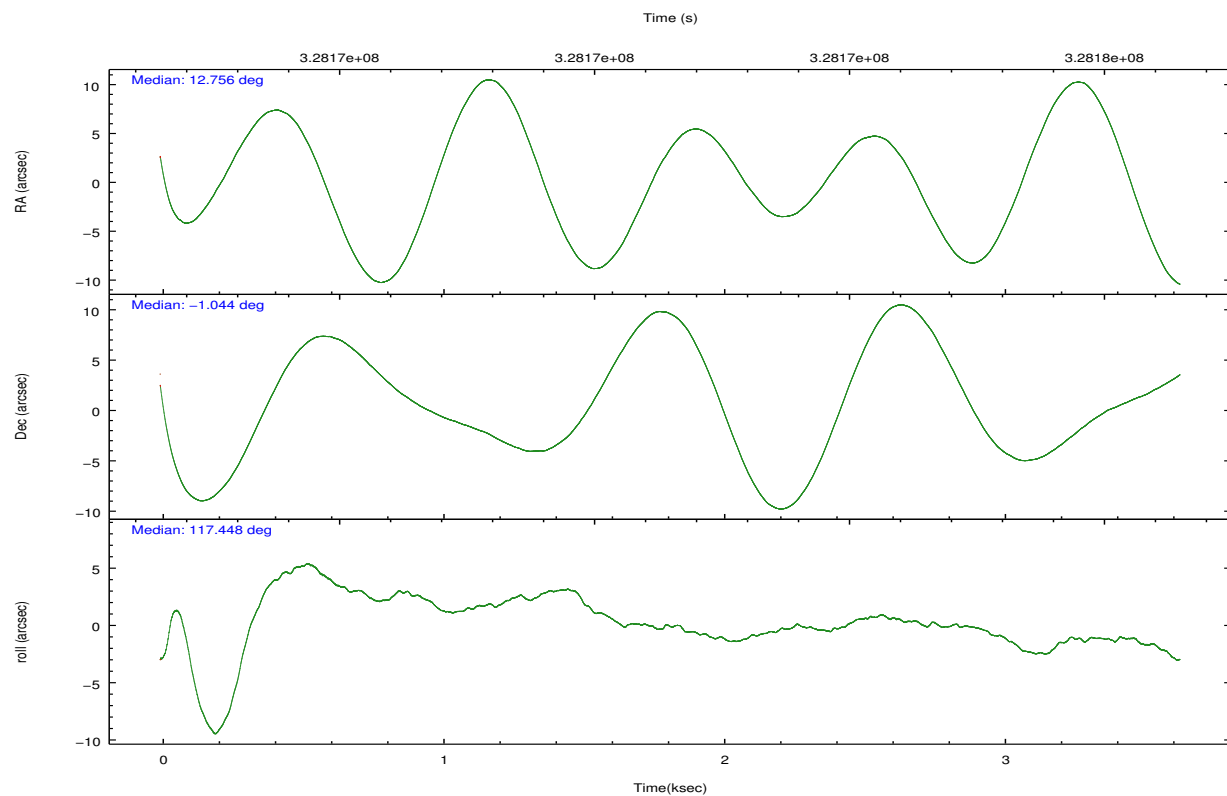
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	2009	2077	1869	1935	3696
	5%	5%	4%	3%	7%
grade 1 events	27	26	19	58	43
	0%	0%	0%	0%	0%
grade 2 events	896	992	1058	4624	2676
	2%	2%	2%	8%	5%
grade 3 events	453	466	470	1899	1263
	1%	1%	1%	3%	2%
grade 4 events	412	432	458	1894	1149
	1%	1%	1%	3%	2%
grade 5 events	1636	1843	1893	5252	2615
	4%	4%	4%	9%	4%
grade 6 events	766	788	993	12181	3194
	2%	2%	2%	22%	6%
grade 7 events	30987	31754	33282	26909	37695
	83%	82%	83%	49%	72%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	12.779085	12.75586800017919	CCD I2 on	O1	Y
[deg] Pointing Dec	-1.057573	-1.043311435501266	CCD I3 on	Y	Y
[deg] Pointing Roll	117.294155	117.4503413866634	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	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	328171609.184000	328170395.24221	CCD S5 on	N	N
Observation start date	2008-05-26T06:45:44	2008-05-26T06:26:35	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	328175109.184000	328176252.0925	On-chip summing requested	N	N
Observation end date	2008-05-26T07:44:04	2008-05-26T08:04:12	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



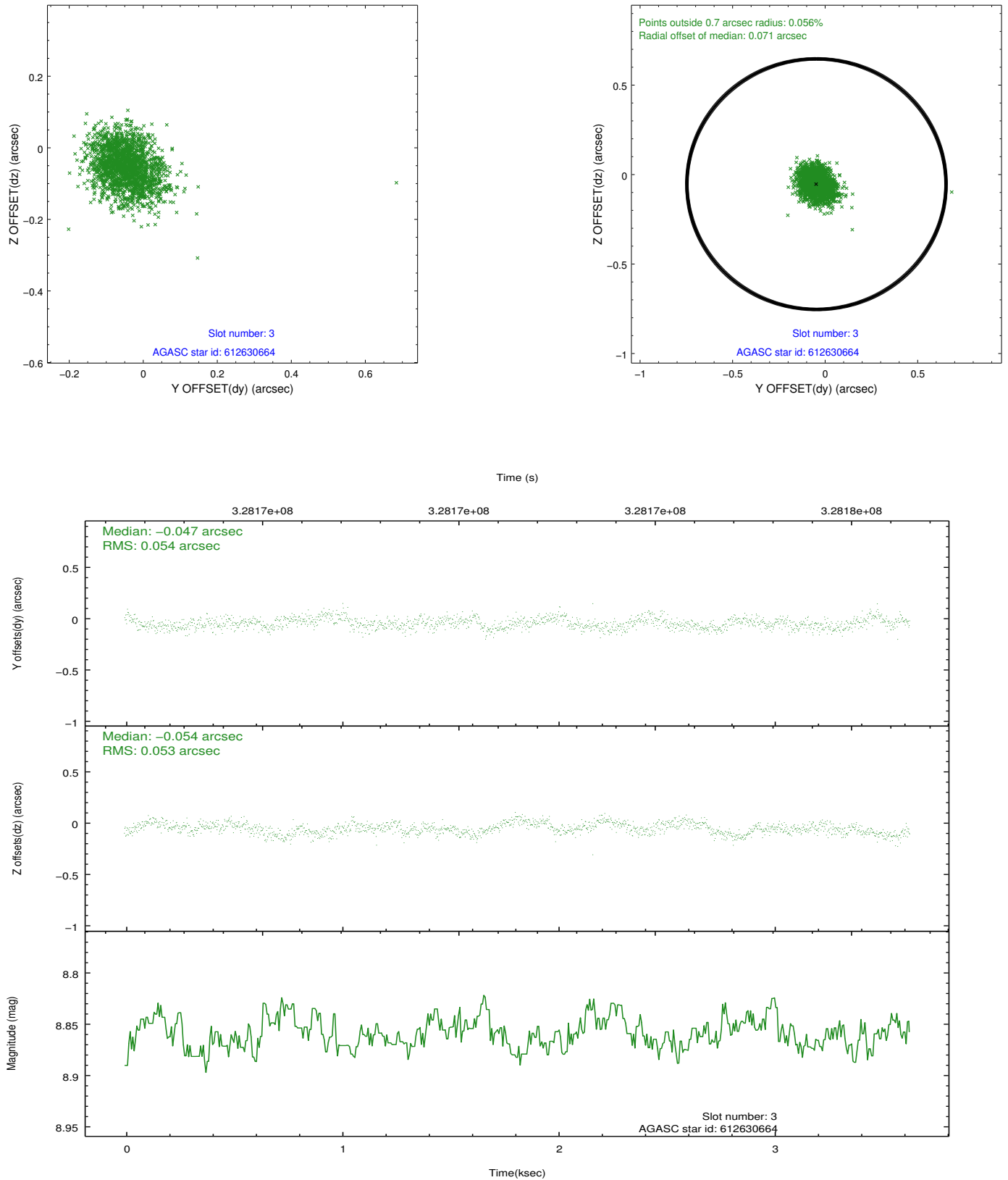


Slot Statistics

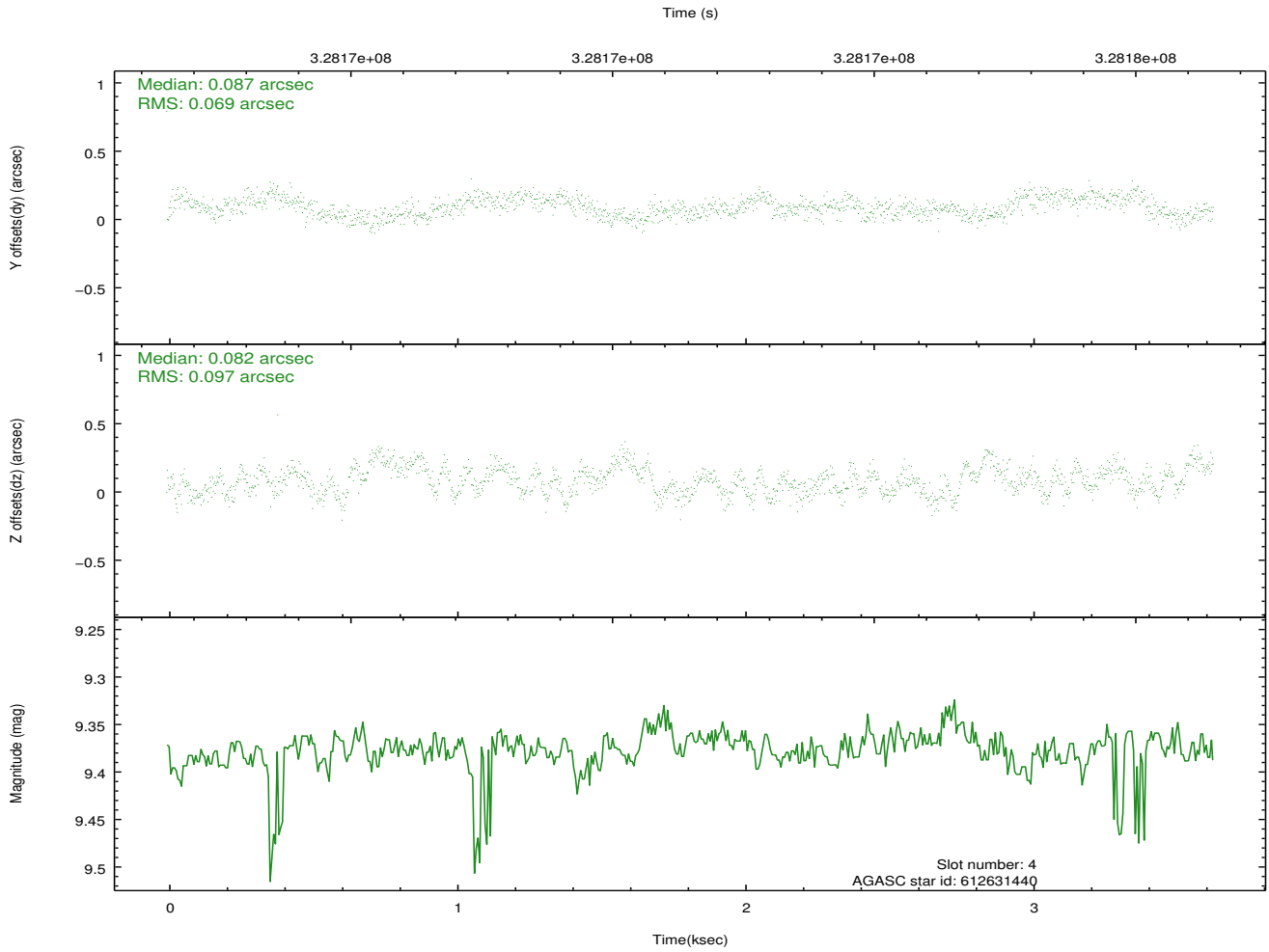
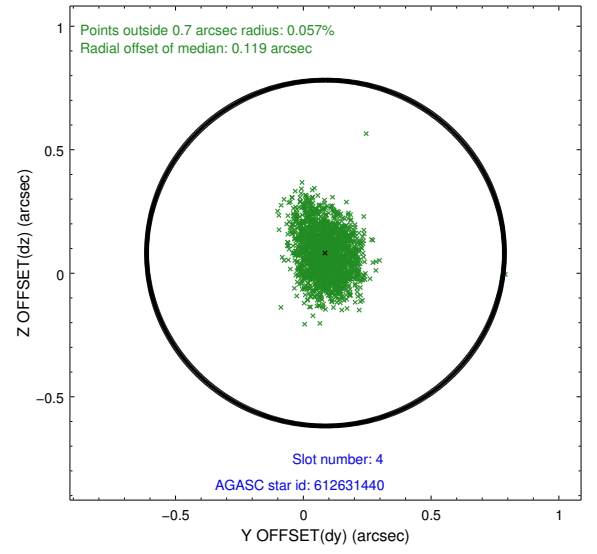
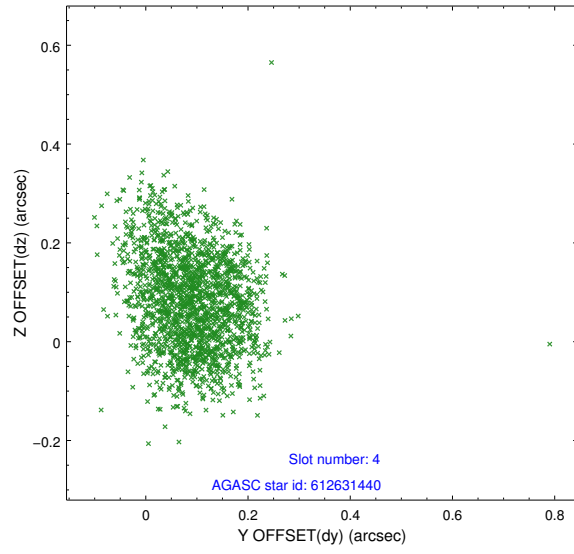
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.87	887	-0.081	-0.014	0.011	0.022	0.000000	0.000000	-767.82	-1736.32
1	FID	ACIS-S-4	6.96	887	0.163	0.043	0.012	0.023	0.000000	0.000000	2144.89	170.44
2	FID	ACIS-S-5	6.98	887	-0.113	-0.021	0.014	0.024	0.000000	0.000000	-1818.49	165.99
3	GUIDE	612630664	8.86	1771	-0.047	-0.054	0.079	0.124	12.819163	-0.535703	1604.47	-989.60
4	GUIDE	612631440	9.38	1766	0.087	0.082	0.123	0.201	13.345518	-0.775803	-31.58	-2277.26
5	GUIDE	612633056	9.40	1771	-0.037	-0.056	0.088	0.148	13.071720	-0.364507	1735.10	-2081.60
6	GUIDE	612633288	8.53	1772	-0.083	-0.026	0.078	0.131	12.908194	-0.488403	1609.63	-1353.23
7	GUIDE	612637176	9.32	1770	0.084	0.053	0.108	0.174	13.226494	-0.447694	1214.82	-2438.37

2.4 Star Slots

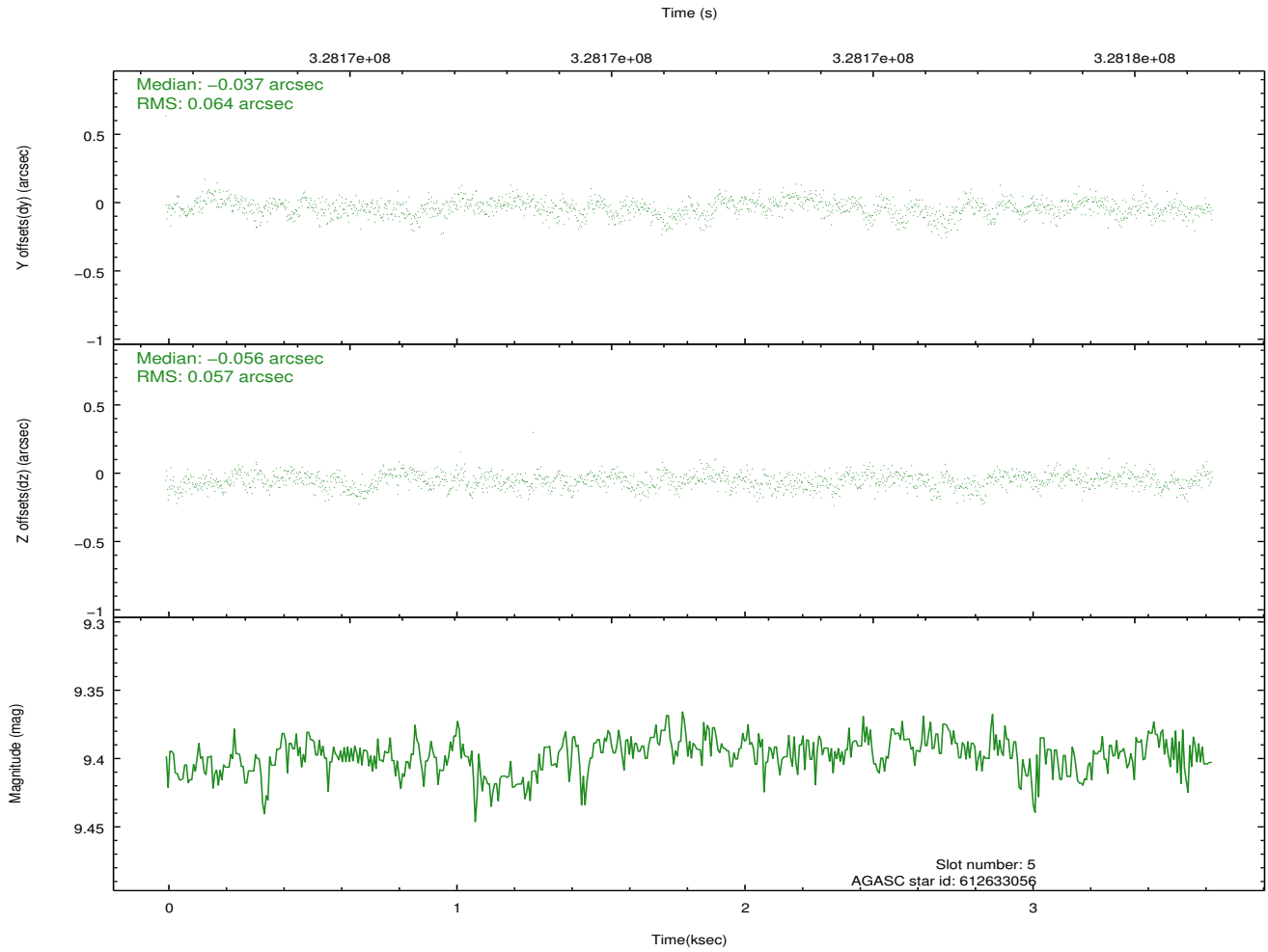
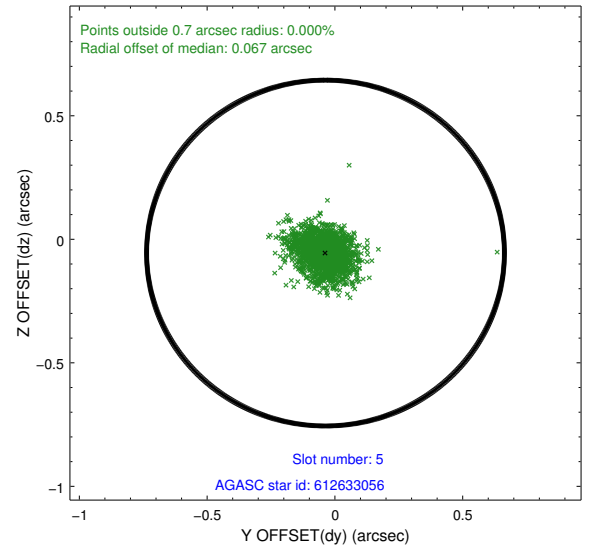
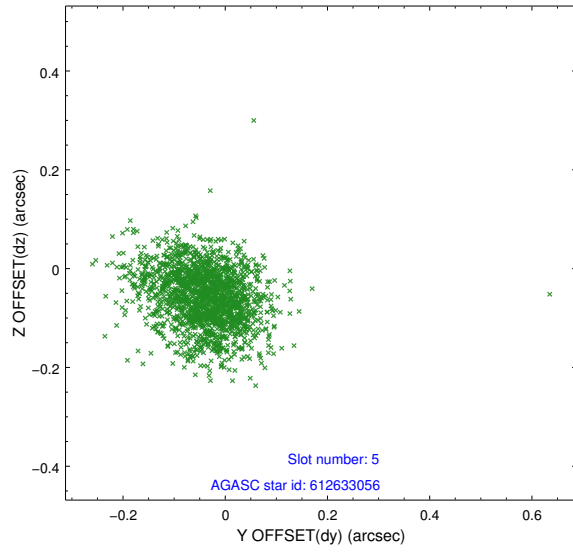
2.4.1 Slot 3



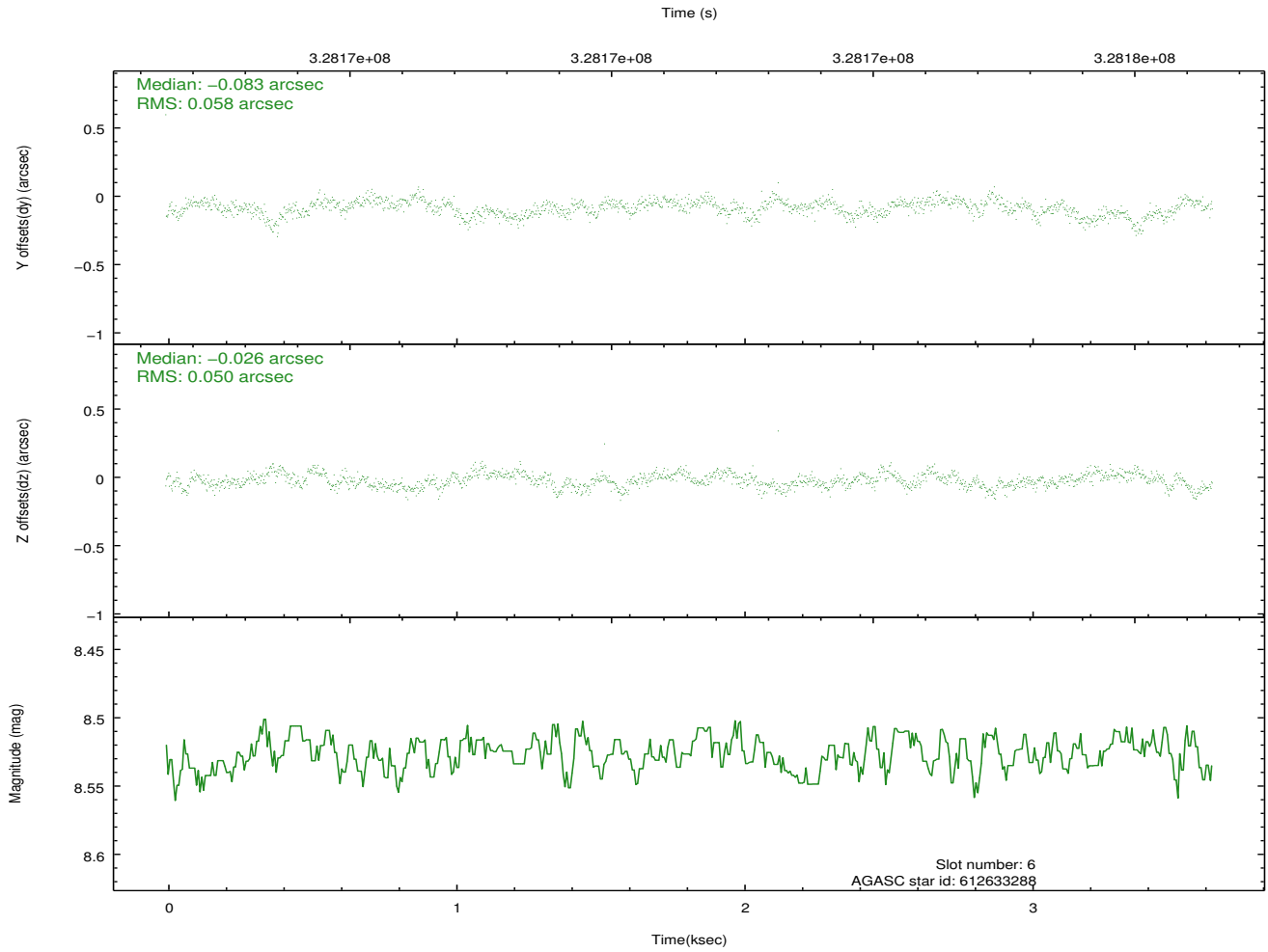
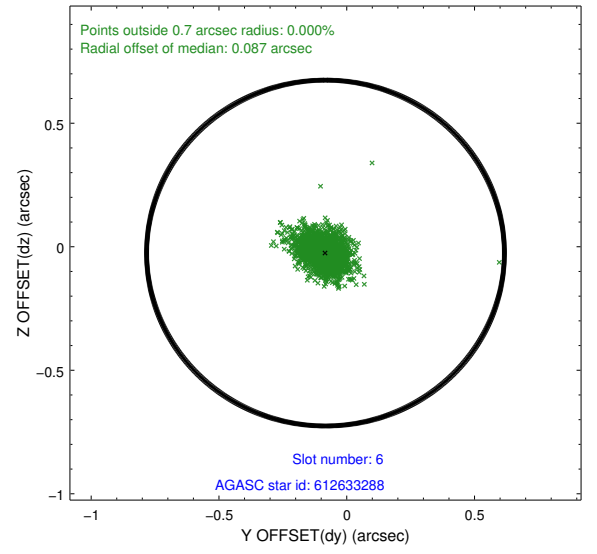
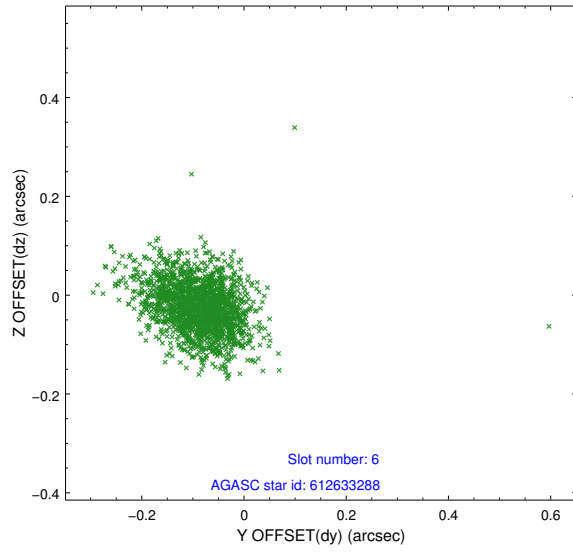
2.4.2 Slot 4



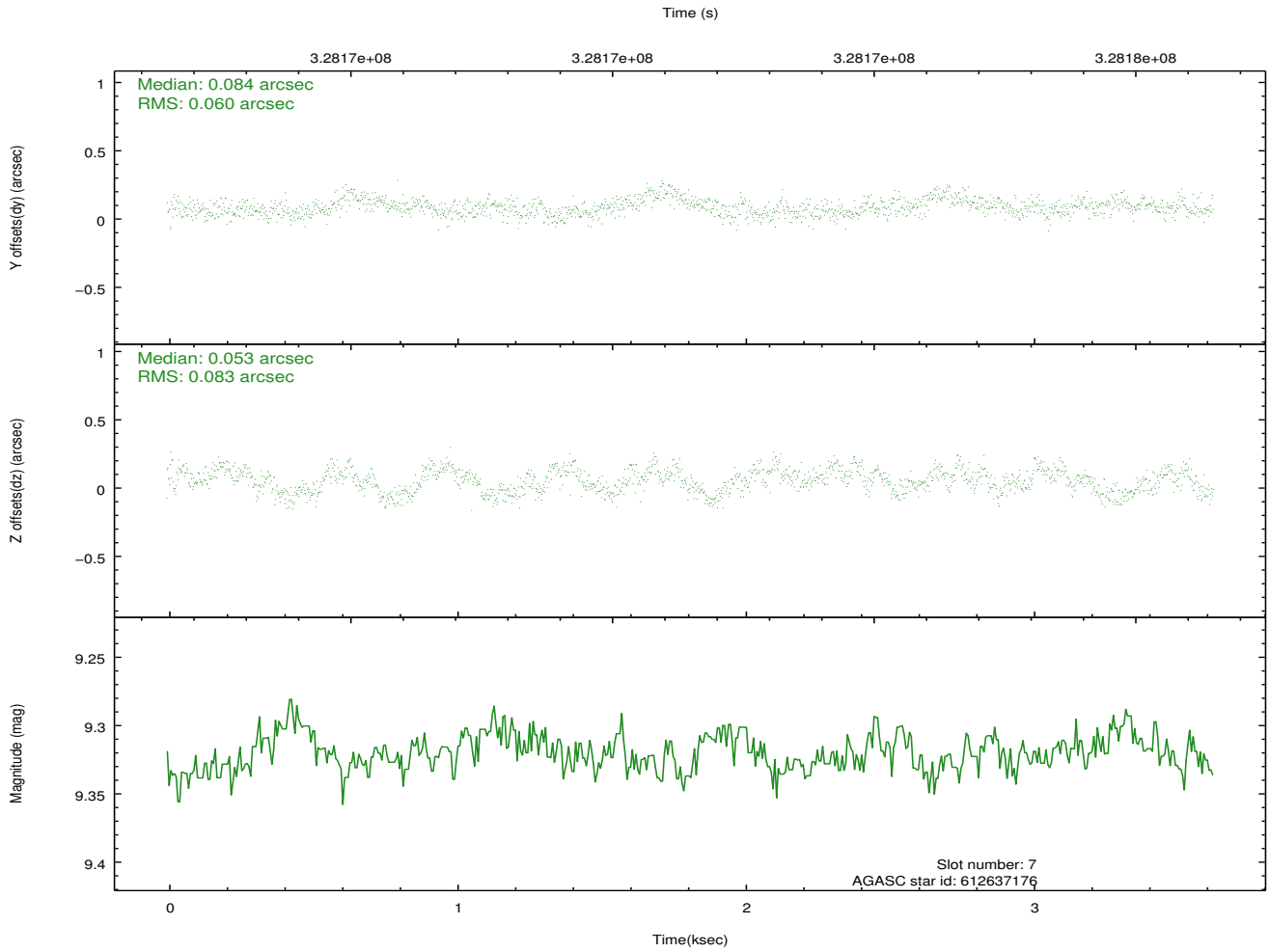
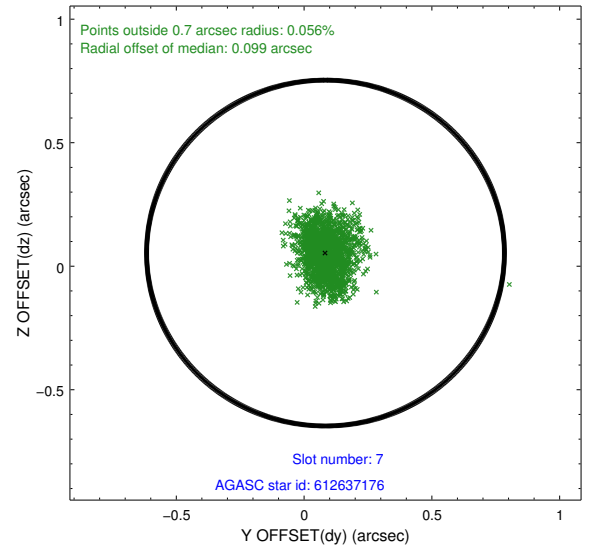
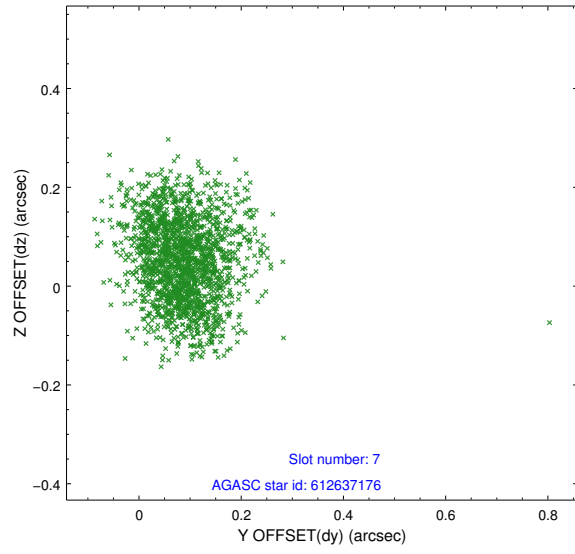
2.4.3 Slot 5



2.4.4 Slot 6

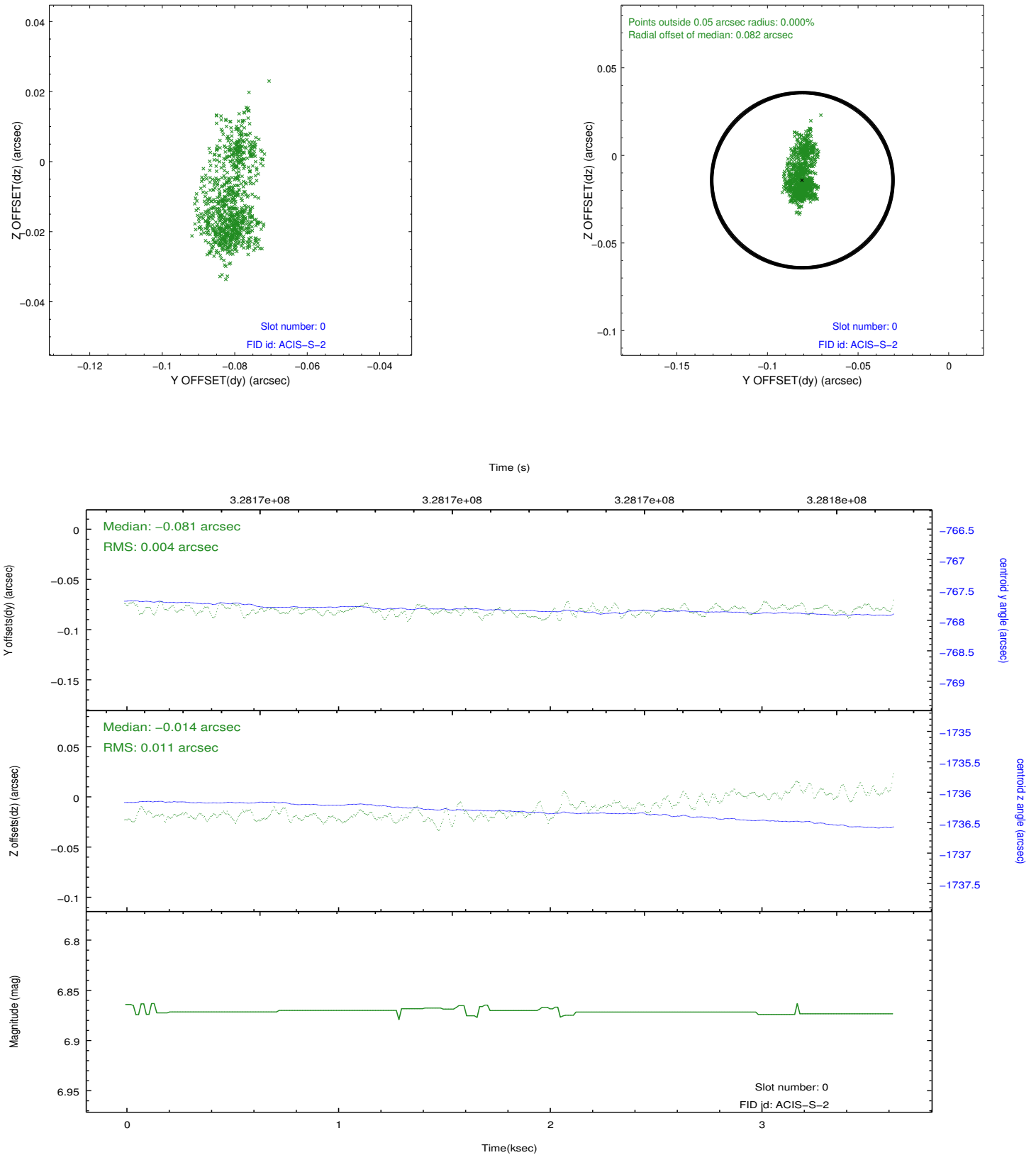


2.4.5 Slot 7

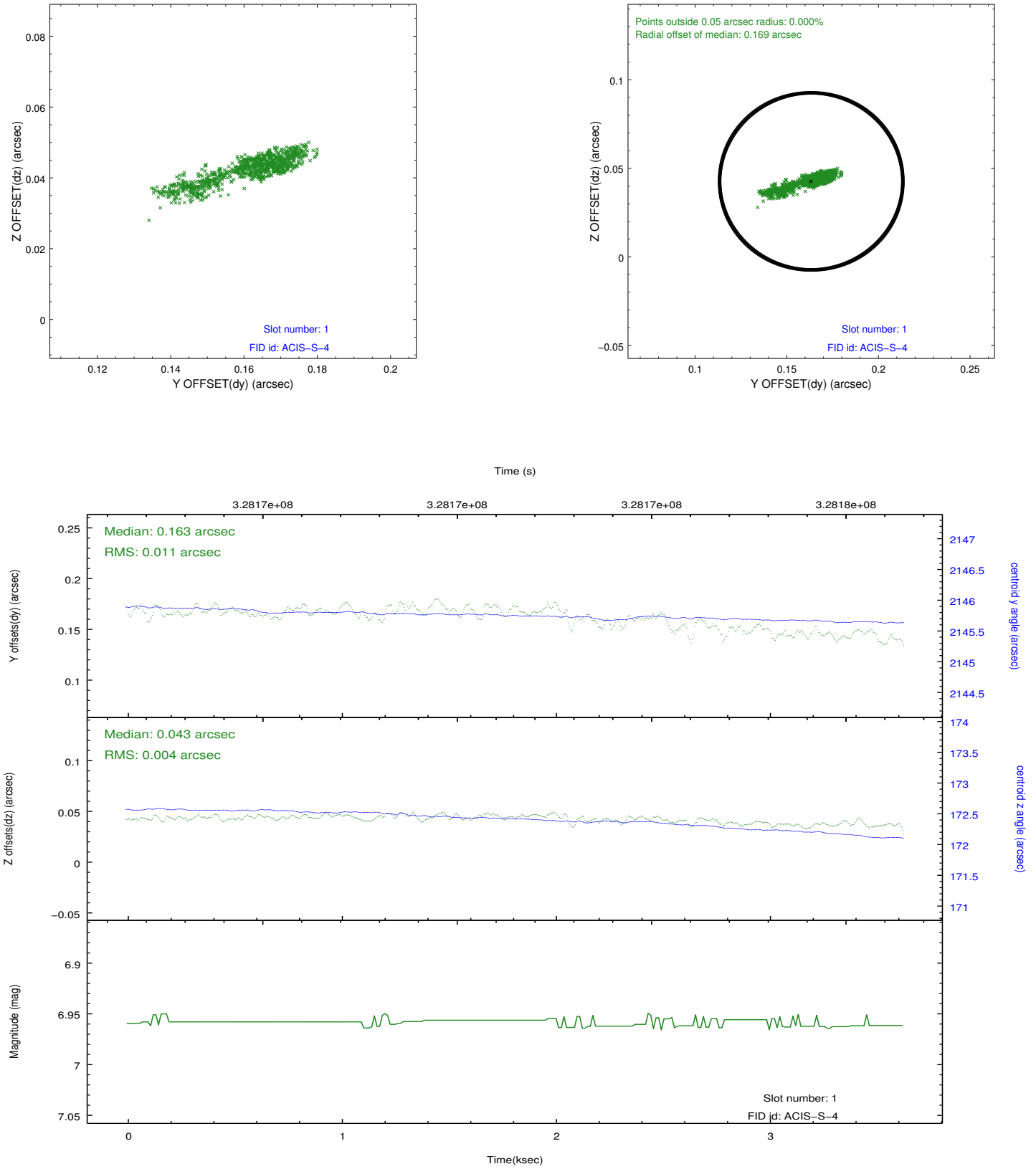


2.5 FID Slots

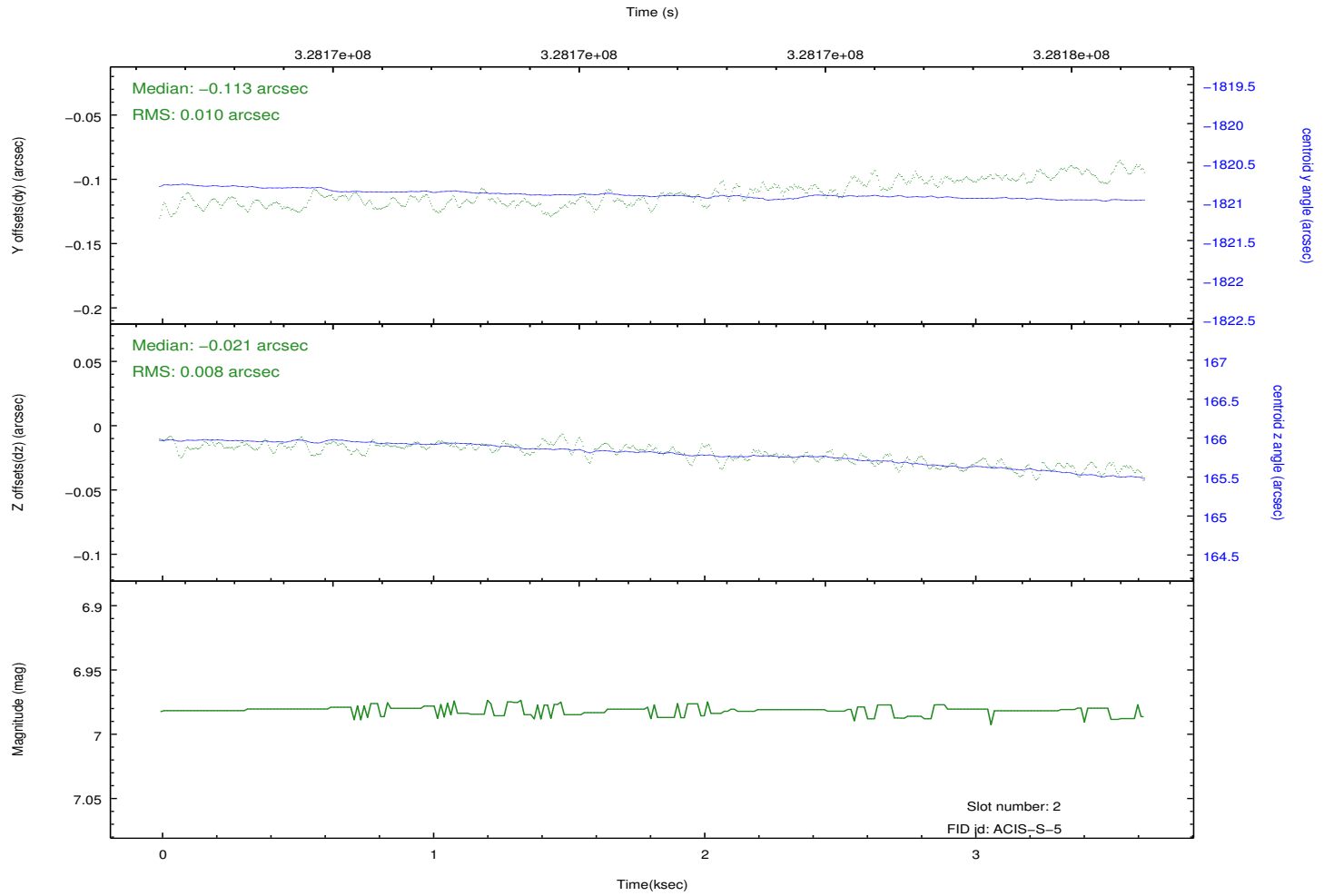
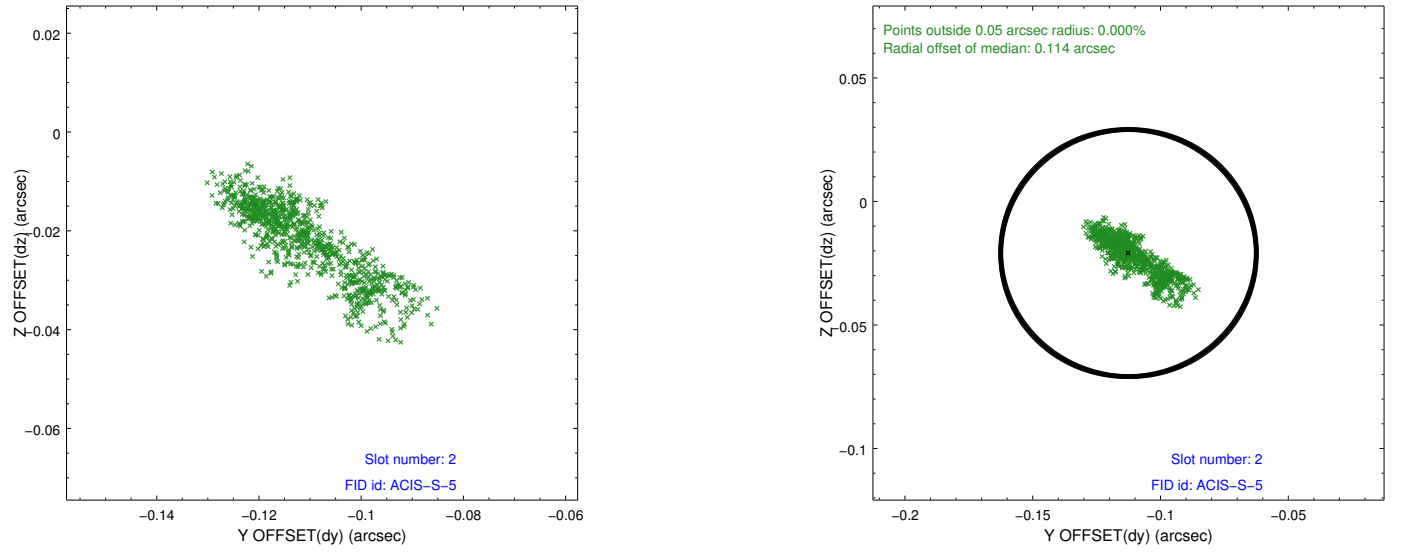
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.62390002

A.2 Comments