

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13824 - L2 Version 1
Chandra X-Ray Center

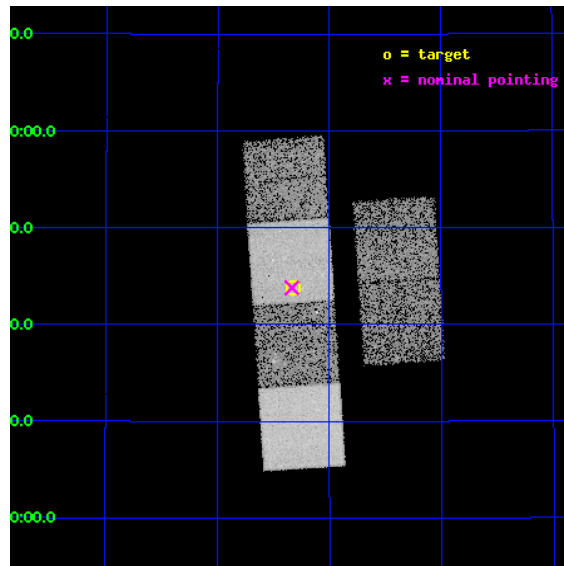
L2 Processing Date : Aug 14 2012

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1 Front

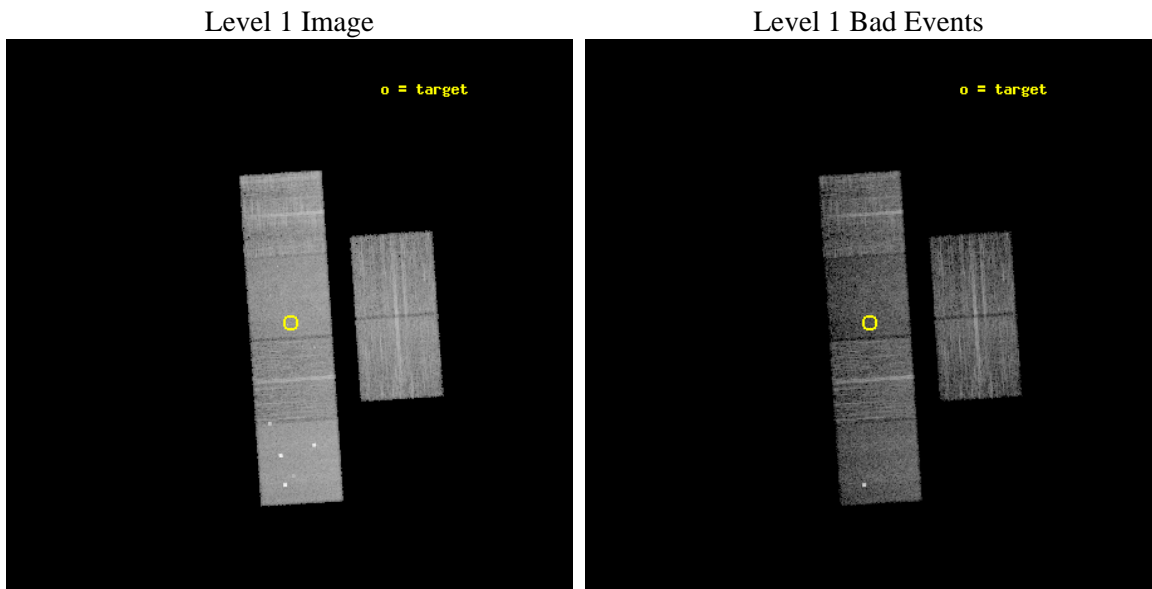
seq_num	600998	Sequence number
obs_id	13824	Observation id
title	Colliding Galaxies Arp 256 and NGC 5754/52	Proposal title
observer	Prof. Saul Rappaport	Principal investigator
object	NGC 5754	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	221.332083	Observer's specified target RA [deg]
dec_targ	38.731278	Observer's specified target Dec [deg]
ra_nom	221.33378342317	Nominal RA [deg]
dec_nom	38.730008678961	Nominal Dec [deg]
roll_nom	266.15938528189	Nominal Roll [deg]
revision	1	Processing version of data
ontime	13711.790403962	Sum of GTIs [s]
livetime	13538.163457618	Livetime [s]
ontime2	13711.831443965	Sum of GTIs [s]
ontime3	13711.667283952	Sum of GTIs [s]
ontime5	13711.749363959	Sum of GTIs [s]
ontime6	13711.708323956	Sum of GTIs [s]
ontime7	13711.790403962	Sum of GTIs [s]
ontime8	13711.626243949	Sum of GTIs [s]
l2events	106798	Number of level 2 events



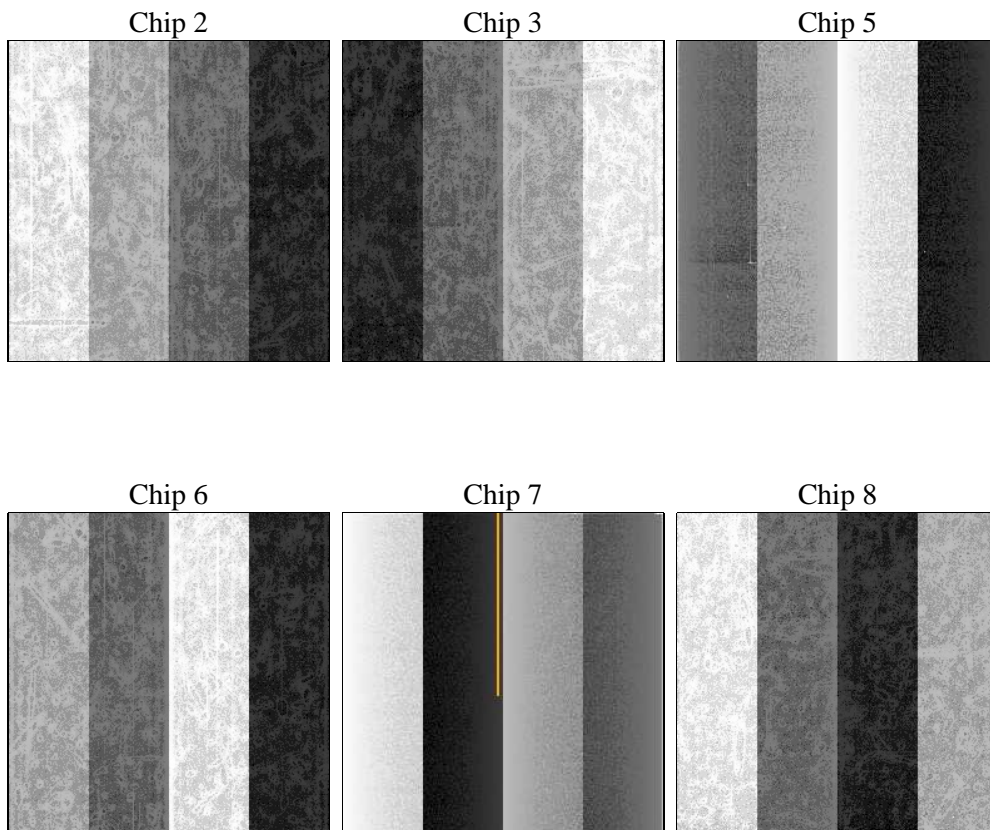
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	13742.151000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	13711.790403962	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime2	13711.831443965	Sum of GTIs [s]
date	2012-08-14T03:49:35	Date and time of file creation	ontime3	13711.667283952	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	13711.749363959	Sum of GTIs [s]
			ontime6	13711.708323956	Sum of GTIs [s]
			ontime7	13711.790403962	Sum of GTIs [s]
			ontime8	13711.626243949	Sum of GTIs [s]
			l1events	449771	Number of level 1 events

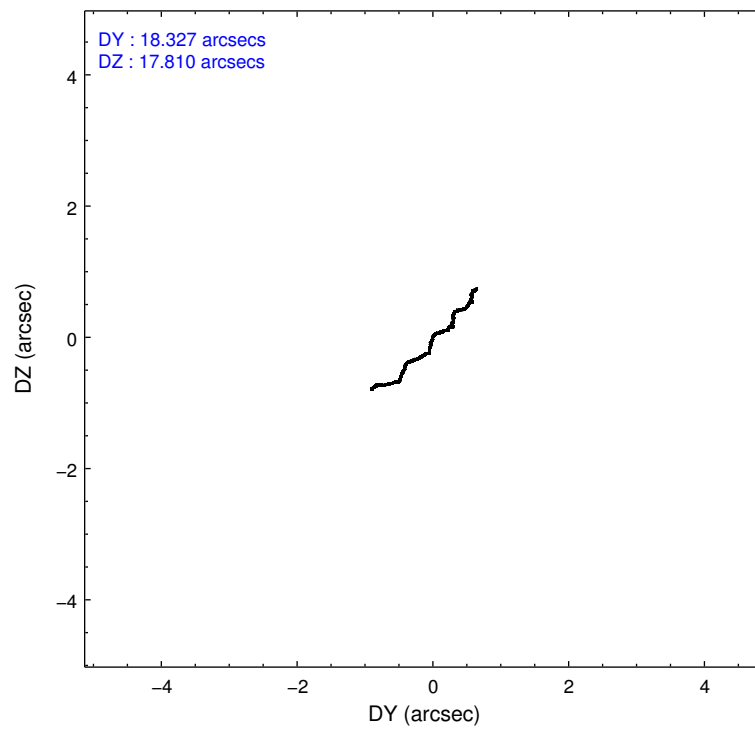
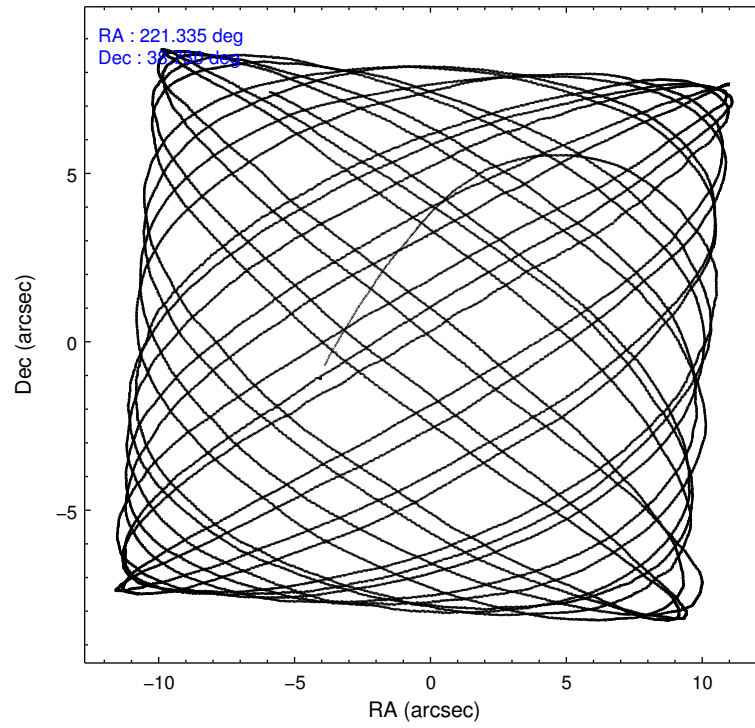
2.1.4 Events

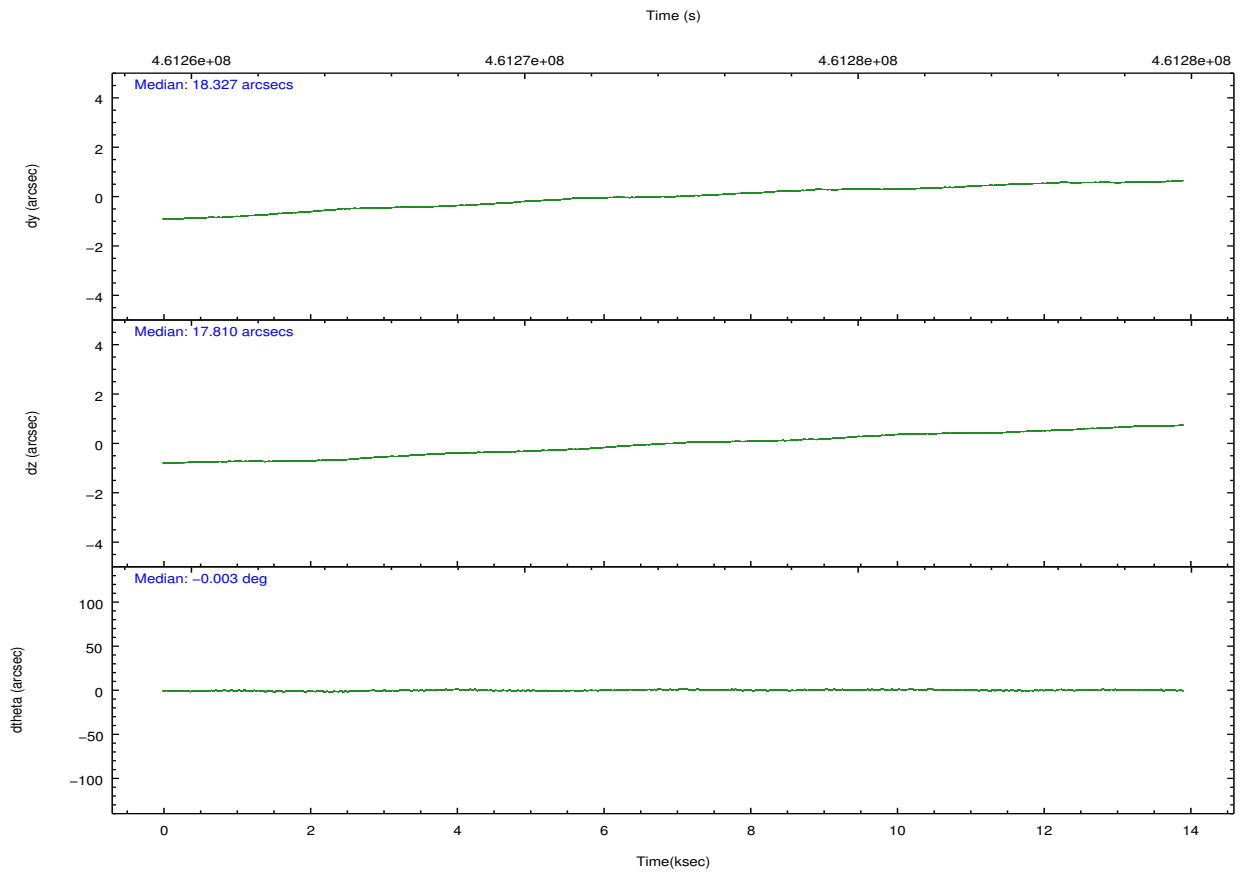
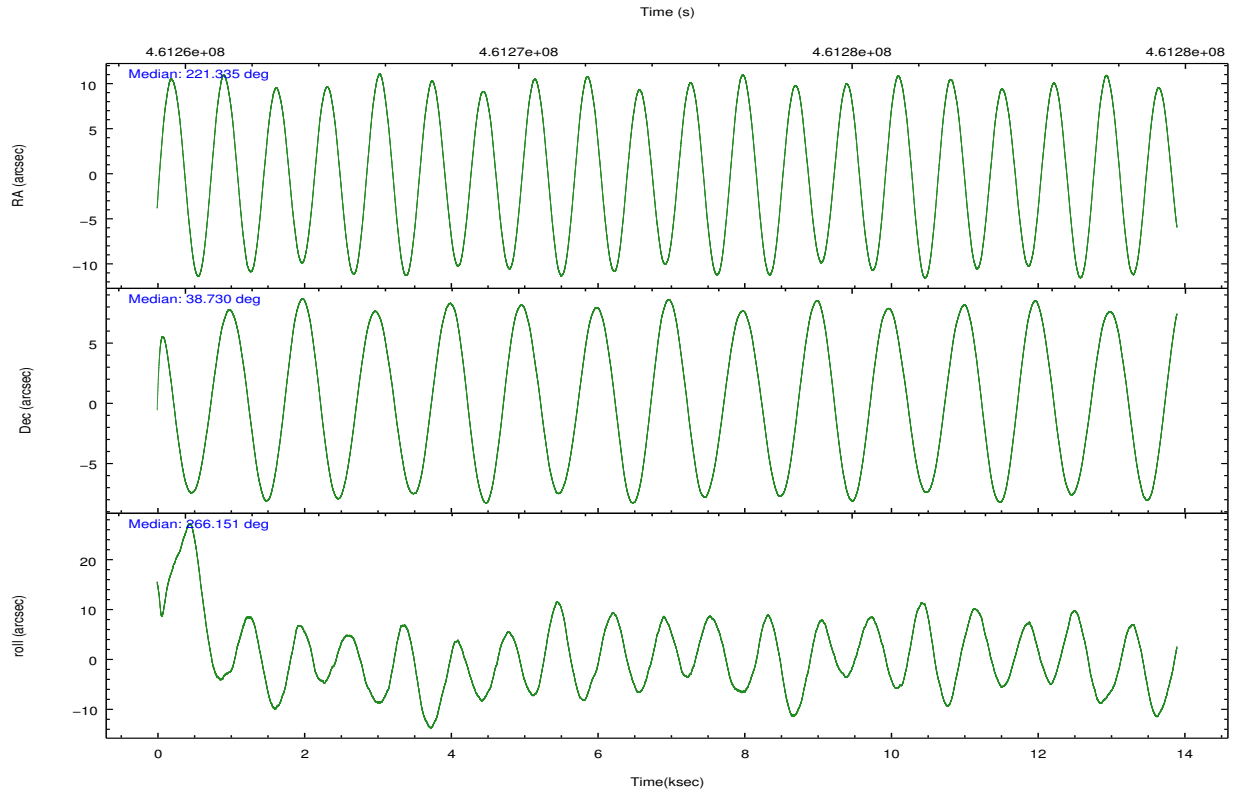
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	64285	60127	104524	63765	73981	83089	grade 0 events	2572	2589	10778	3127	3590	6305
rejected events	57226	53295	47828	55619	38644	60465		4%	4%	10%	4%	4%	7%
rejected %	89%	88%	45%	87%	52%	72%	grade 1 events	38	47	220	29	115	70
								0%	0%	0%	0%	0%	0%
							grade 2 events	1727	1512	16557	1838	7532	5496
								2%	2%	15%	2%	10%	6%
							grade 3 events	724	720	1928	786	3093	2354
								1%	1%	1%	1%	4%	2%
							grade 4 events	723	715	1860	758	3227	2198
								1%	1%	1%	1%	4%	2%
							grade 5 events	2360	2834	7563	2747	8004	4241
								3%	4%	7%	4%	10%	5%
							grade 6 events	1315	1299	25584	1638	17902	6283
								2%	2%	24%	2%	24%	7%
							grade 7 events	54826	50411	40034	52842	30518	56142
								85%	83%	38%	82%	41%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	221.319326	221.3337834231667	CCD I2 on	O5	Y
[deg] Pointing Dec	38.753864	38.73000867896105	CCD I3 on	O4	Y
[deg] Pointing Roll	266.011713	266.1593852818931	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O1	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	O2	Y
[s] Observation start time (MET)	461265430.184000	461264385.46542	CCD S5 on	N	N
Observation start date	2012-08-13T17:16:03	2012-08-13T16:59:45	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	461279172.184000	461279403.76623	On-chip summing requested	N	N
Observation end date	2012-08-13T21:05:05	2012-08-13T21:10:03	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



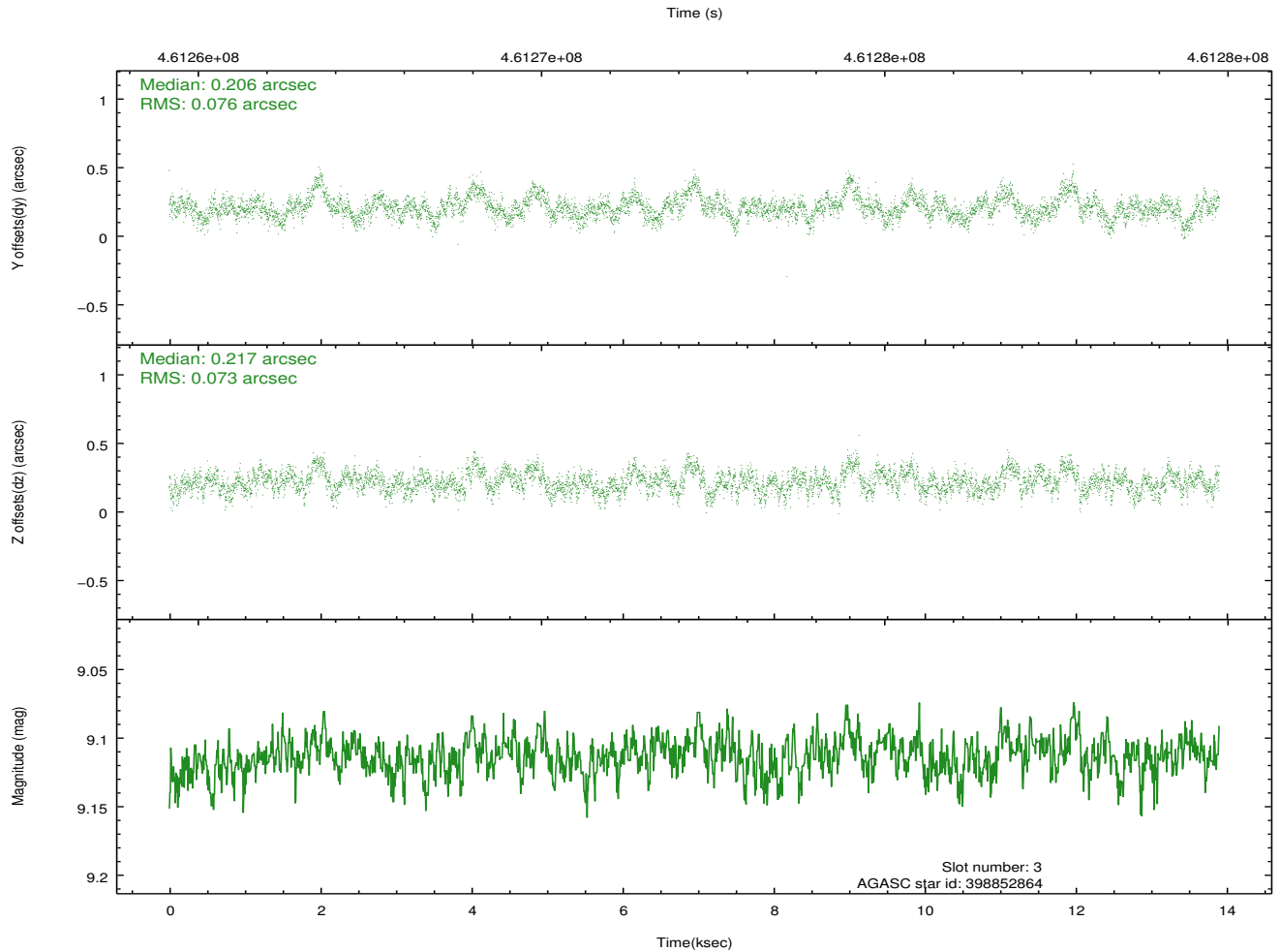
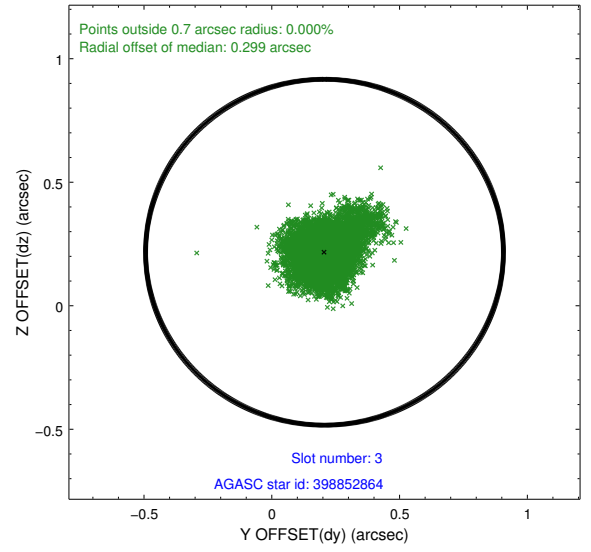
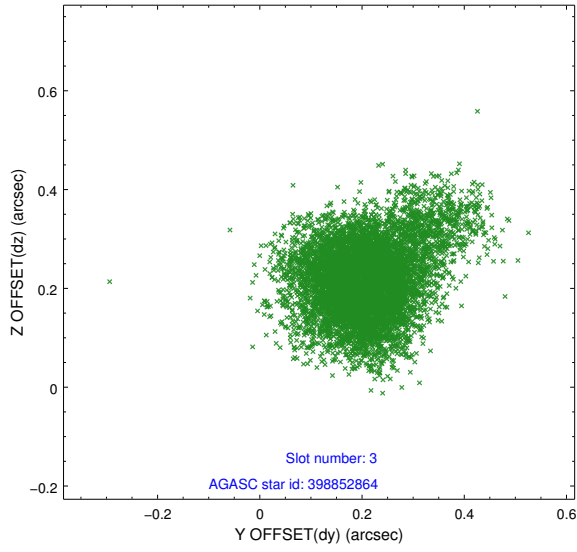


Slot Statistics

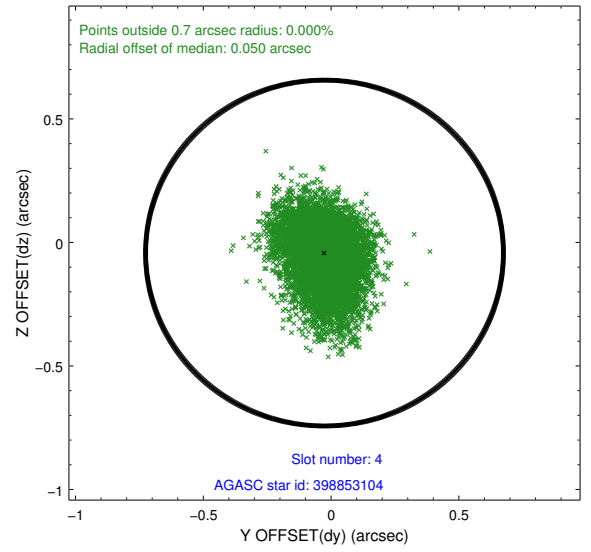
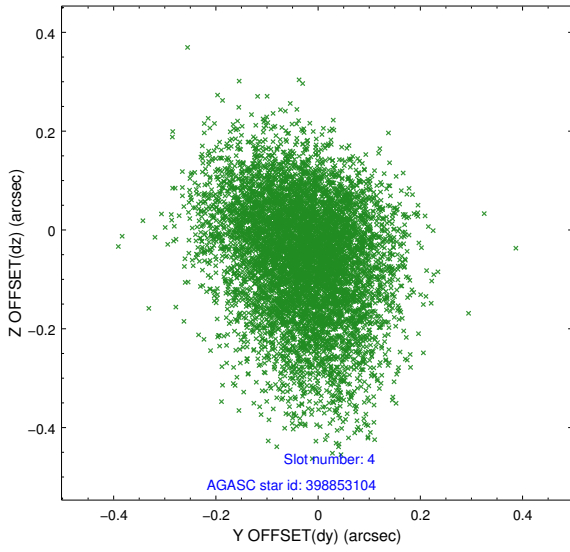
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	3391	-0.091	-0.052	0.016	0.024	0.000000	0.000000	-771.49	-1739.19
1	FID	ACIS-S-4	7.01	3391	0.256	0.057	0.019	0.031	0.000000	0.000000	2142.02	168.99
2	FID	ACIS-S-5	7.05	3391	-0.198	0.002	0.011	0.028	0.000000	0.000000	-1823.96	163.07
3	GUIDE	398852864	9.11	6777	0.206	0.217	0.108	0.191	221.253512	39.012500	-915.53	-247.77
4	GUIDE	398853104	9.67	6752	-0.026	-0.043	0.153	0.261	220.651151	38.688015	360.60	-1856.95
5	GUIDE	398853616	9.38	6768	0.082	-0.189	0.117	0.185	221.690708	39.251163	-1859.75	907.62
6	GUIDE	398854912	8.02	6781	-0.066	0.143	0.082	0.135	220.552651	39.408032	-2210.40	-2292.02
7	GUIDE	398852728	9.71	6756	-0.188	-0.128	0.234	0.357	222.146660	38.625269	289.23	2352.57

2.4 Star Slots

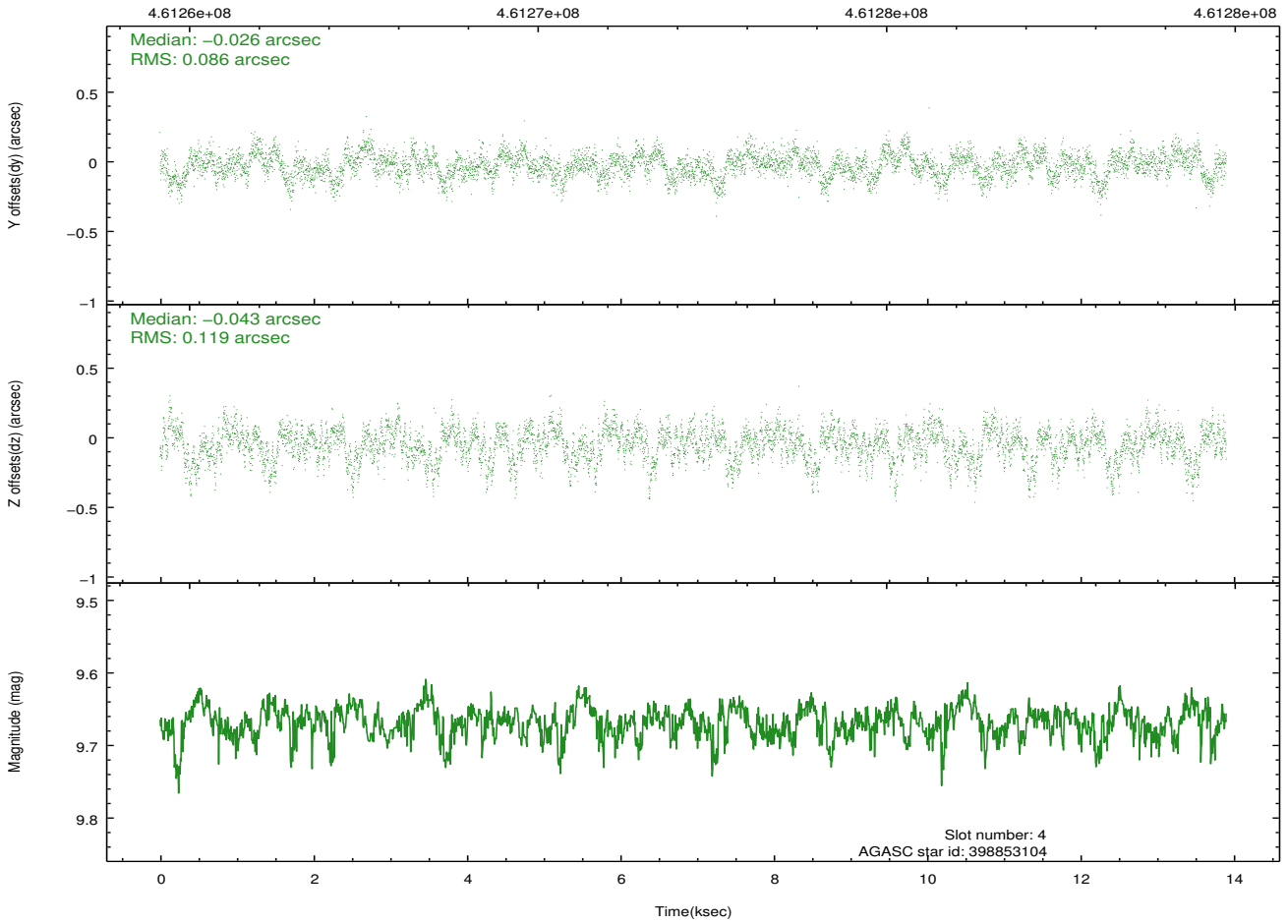
2.4.1 Slot 3



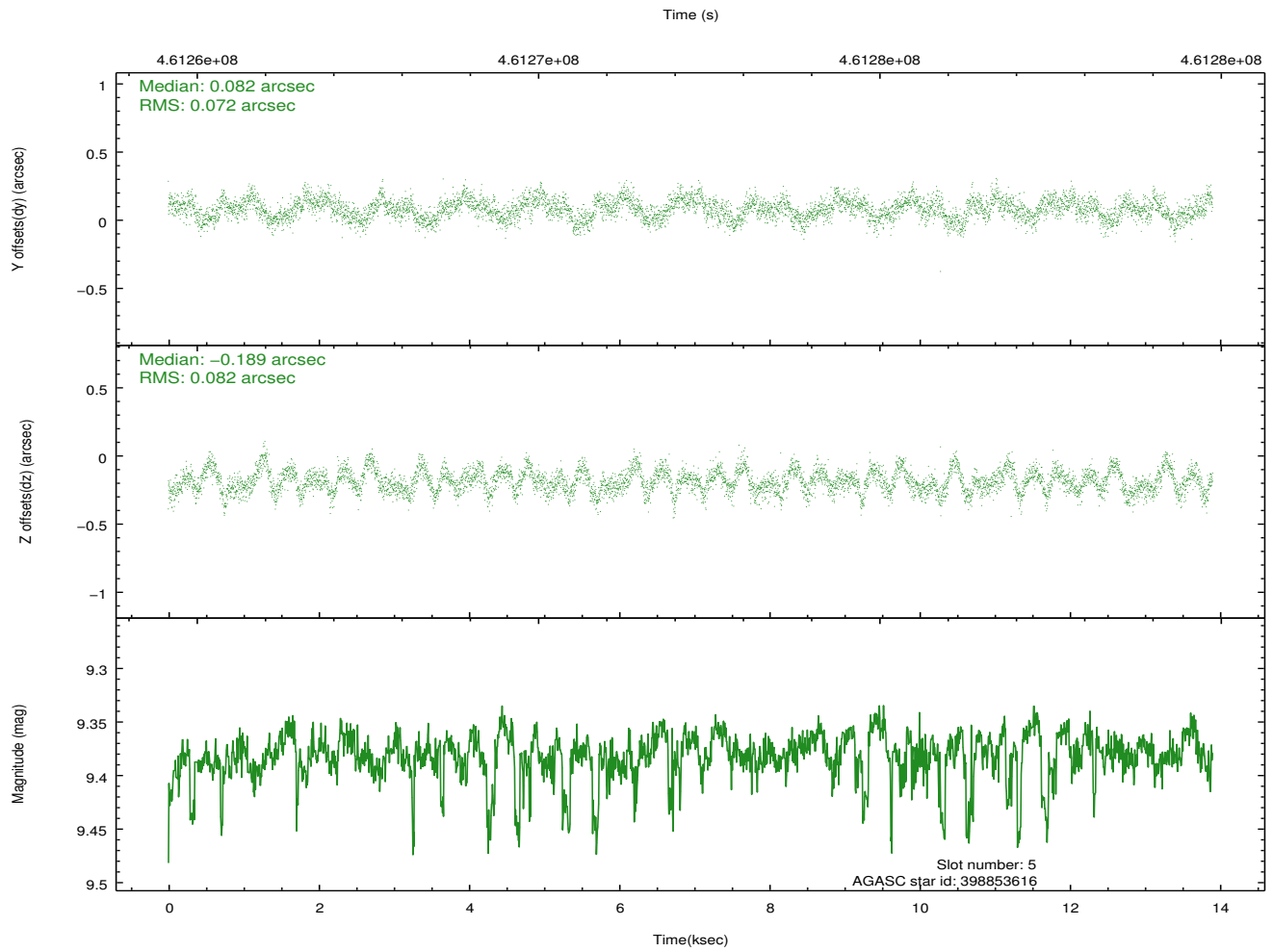
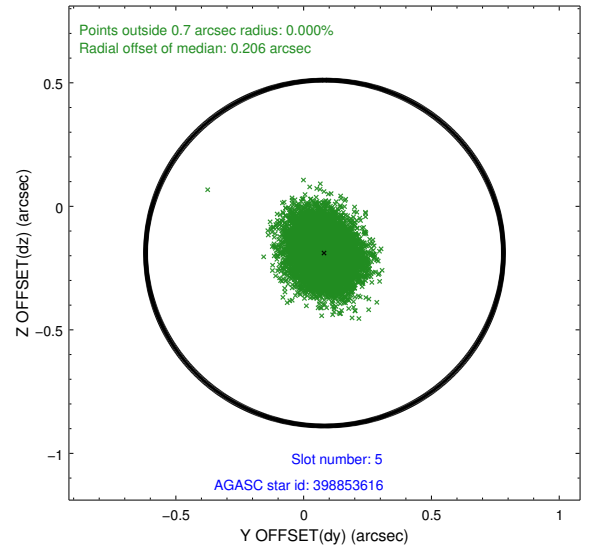
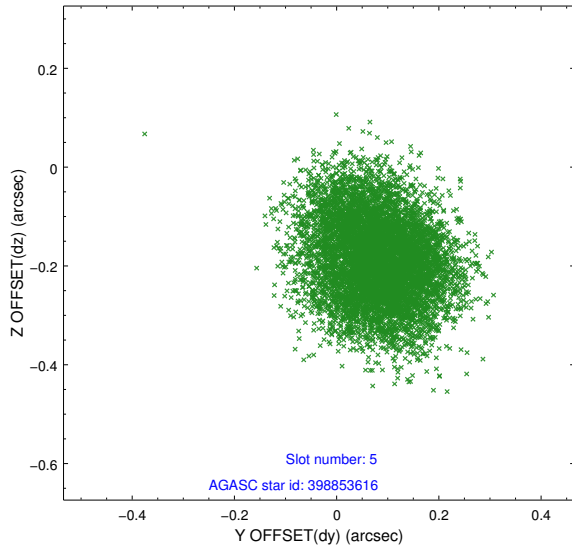
2.4.2 Slot 4



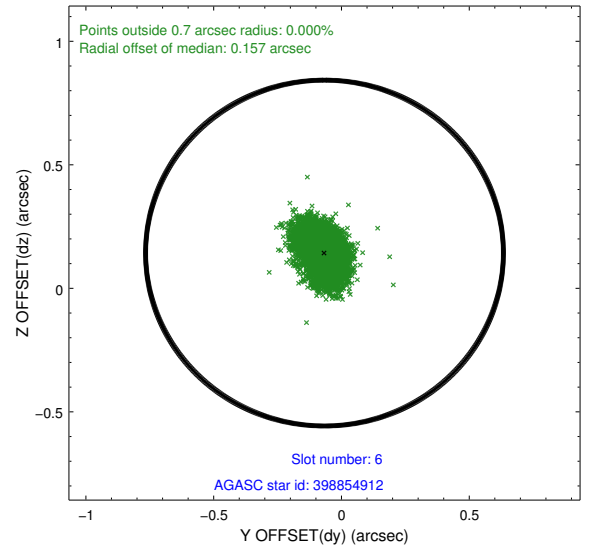
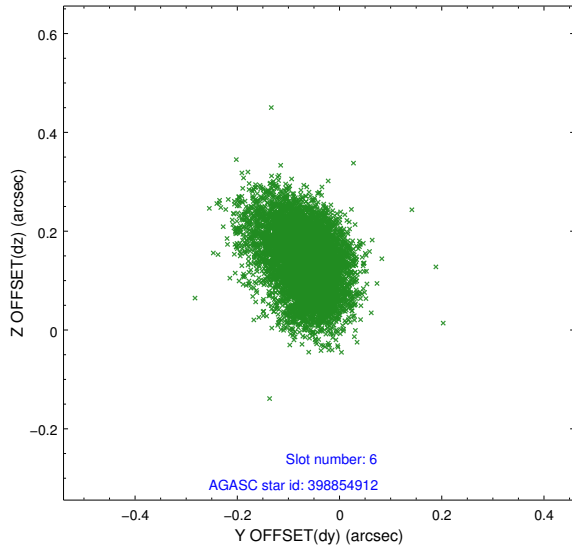
Time (s)



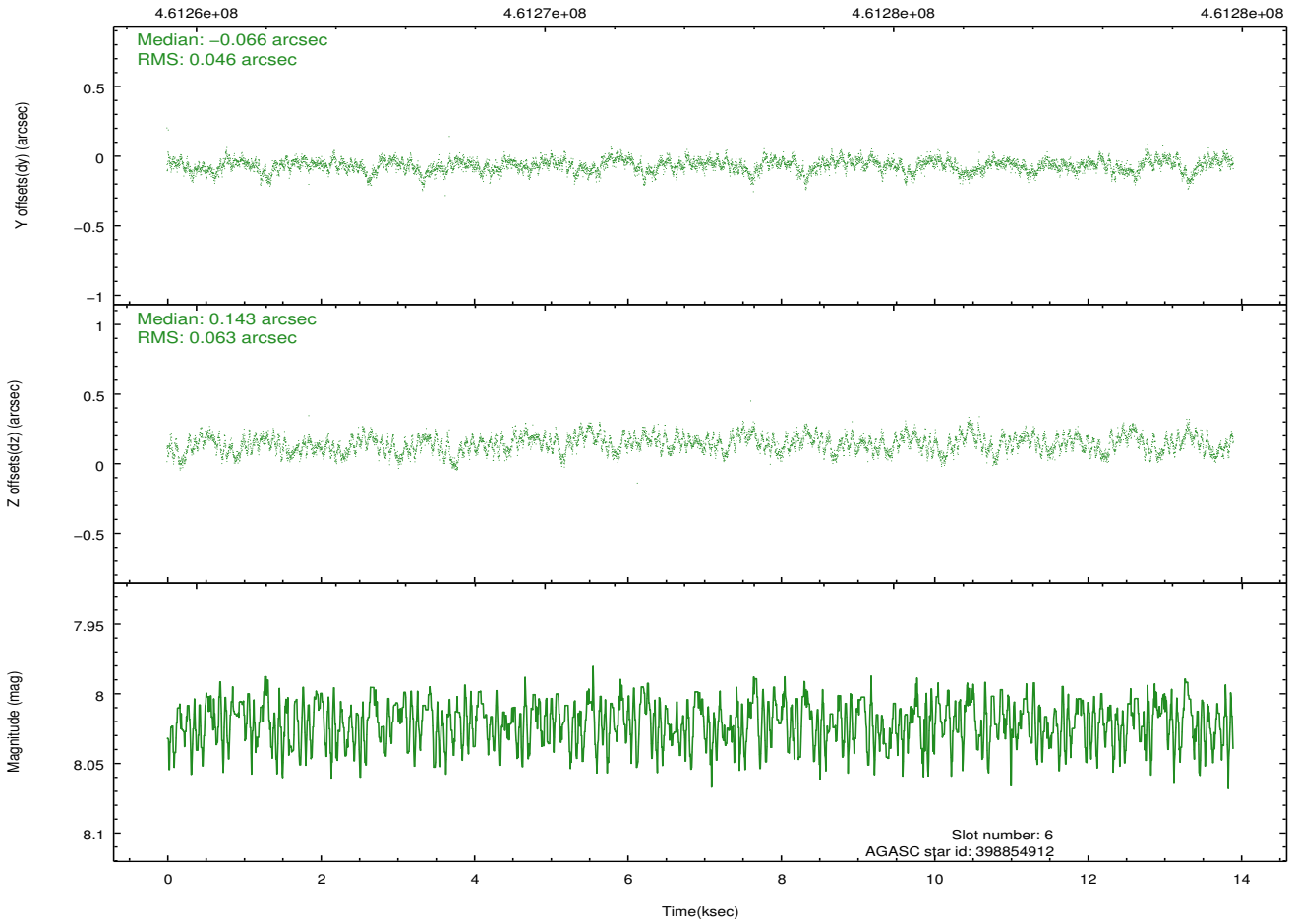
2.4.3 Slot 5



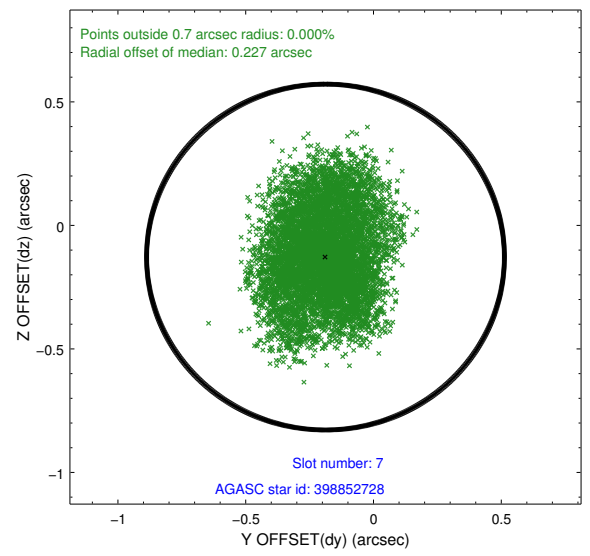
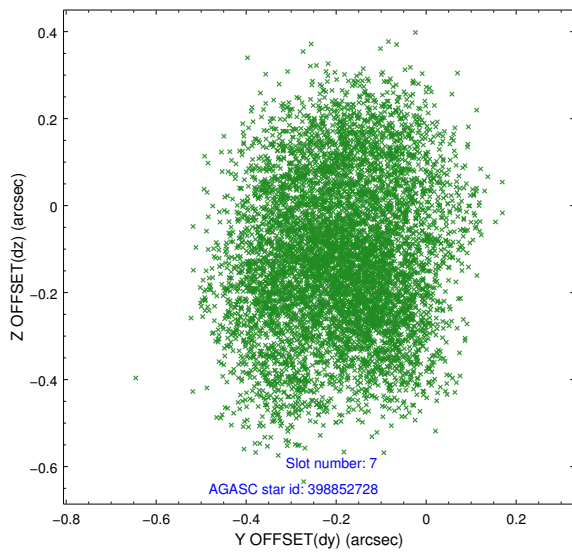
2.4.4 Slot 6



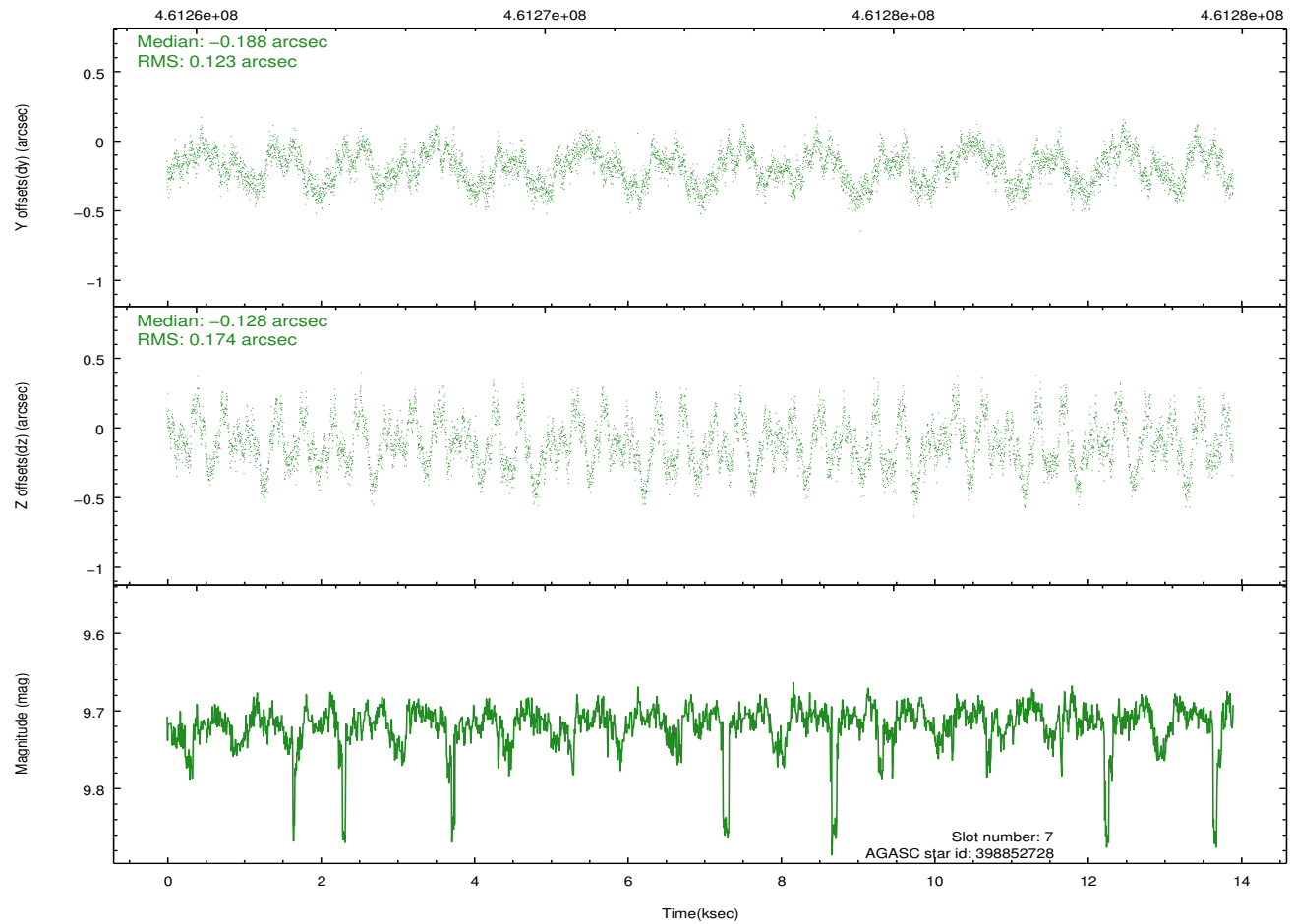
Time (s)



2.4.5 Slot 7

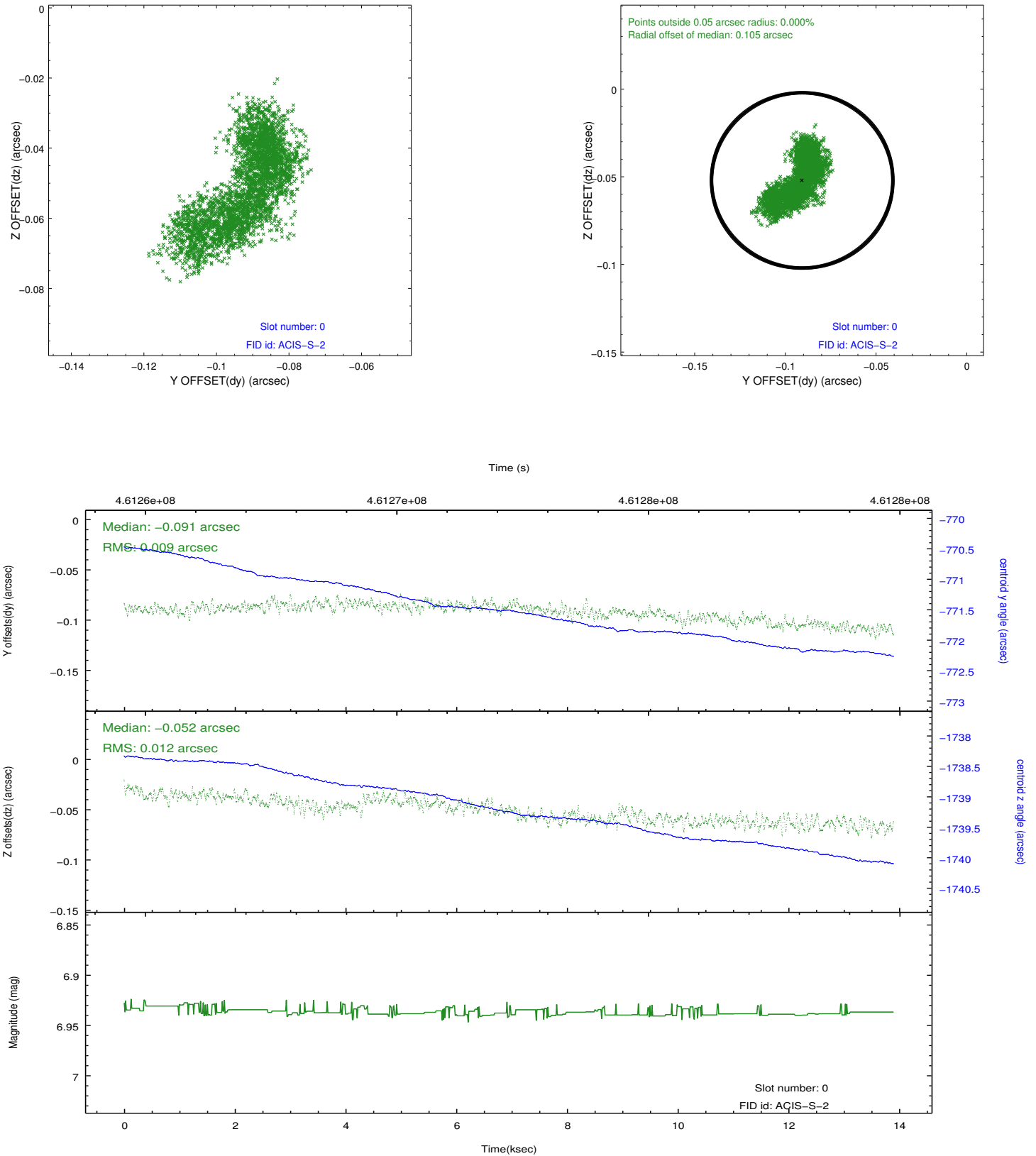


Time (s)

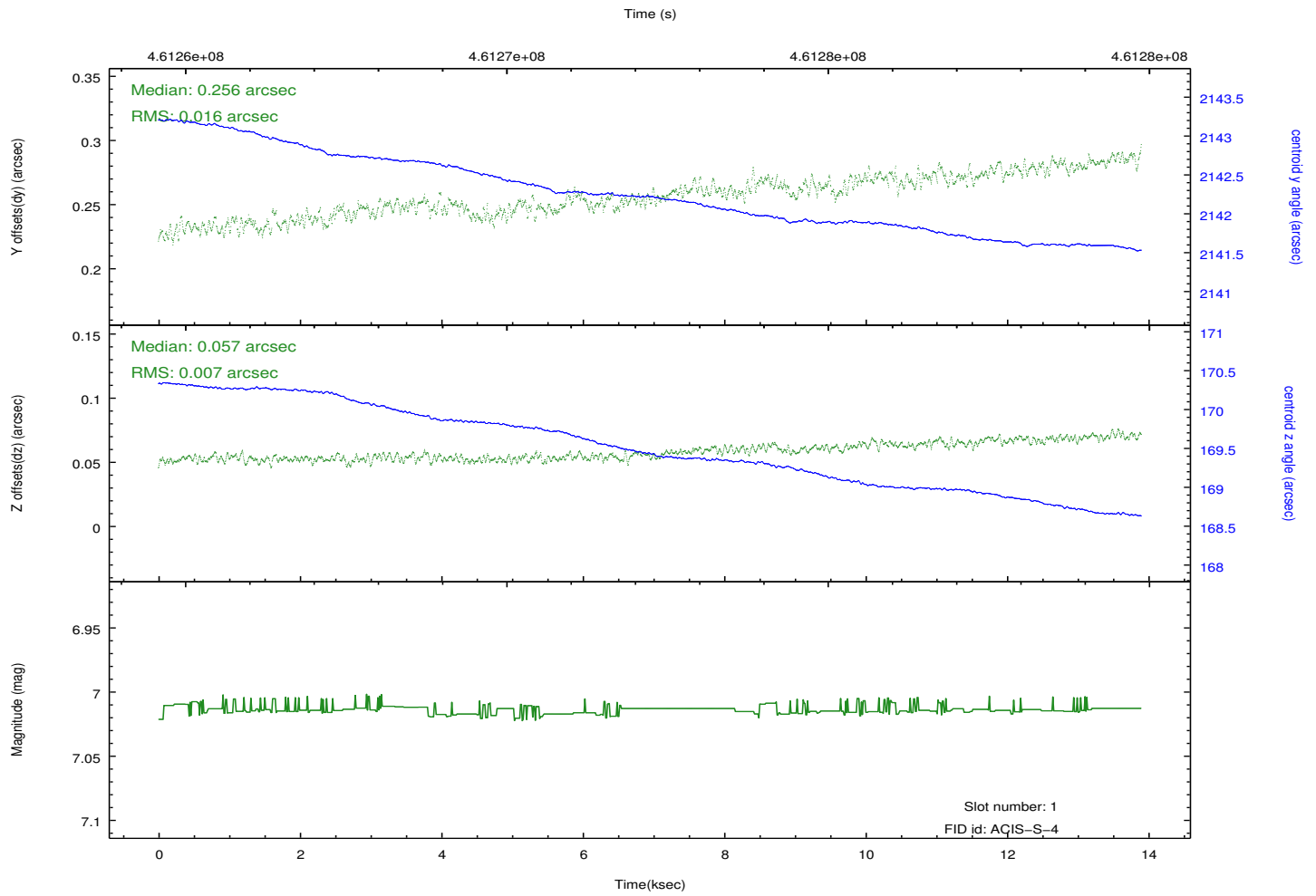
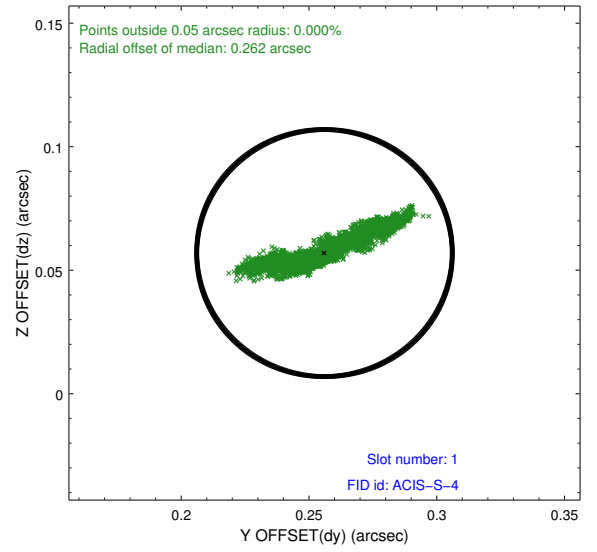
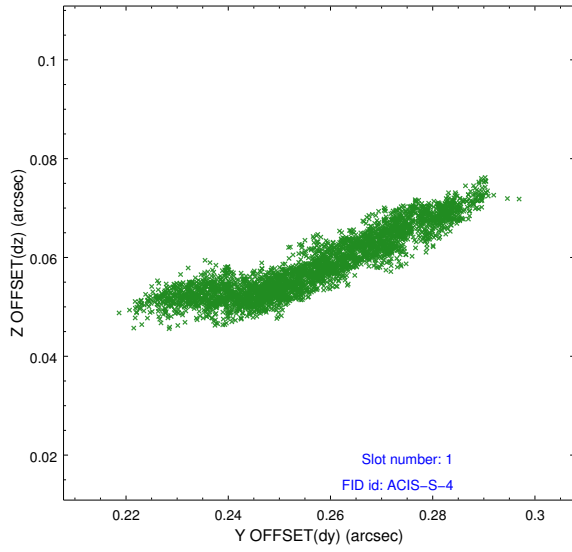


2.5 FID Slots

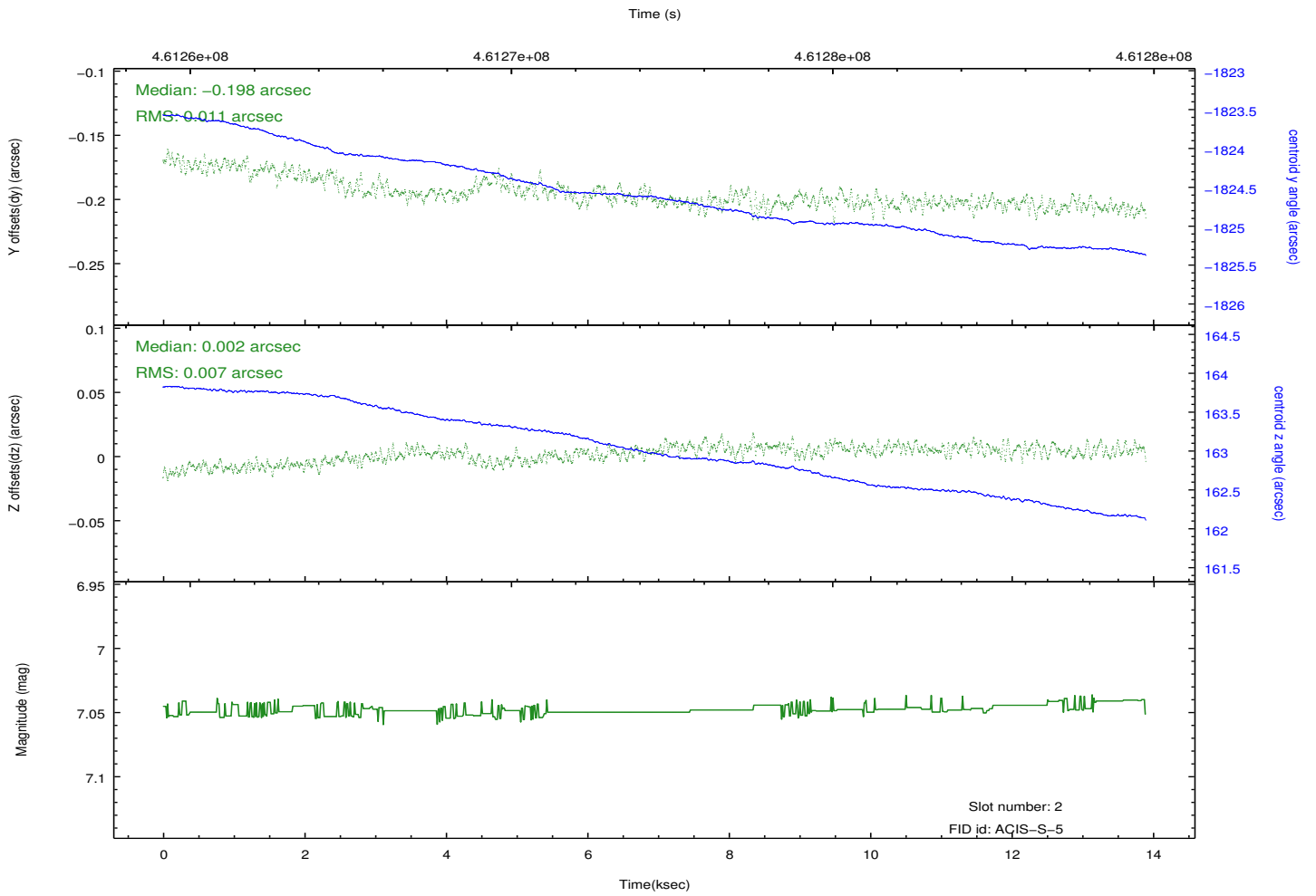
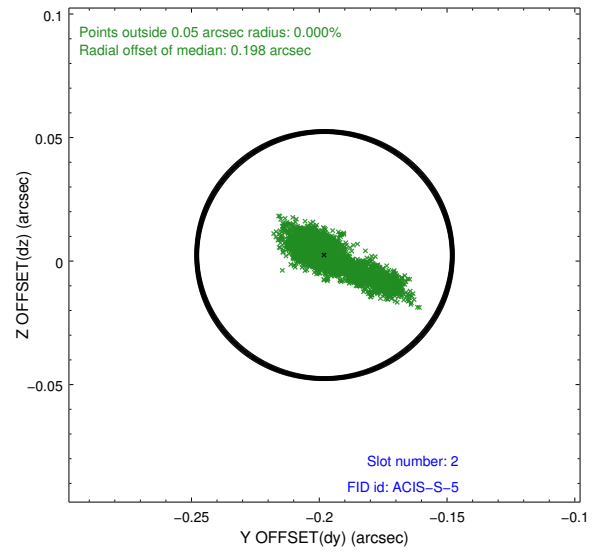
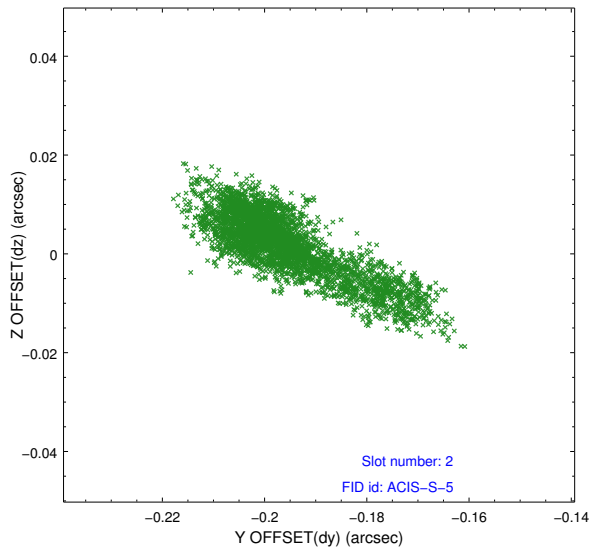
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.711790403962

A.2 Comments