

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17184 - L2 Version 1
Chandra X-Ray Center

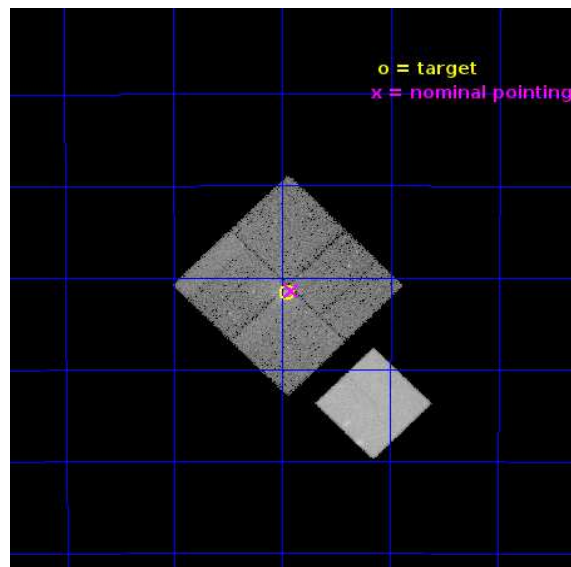
L2 Processing Date : May 27 2016

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1 Front

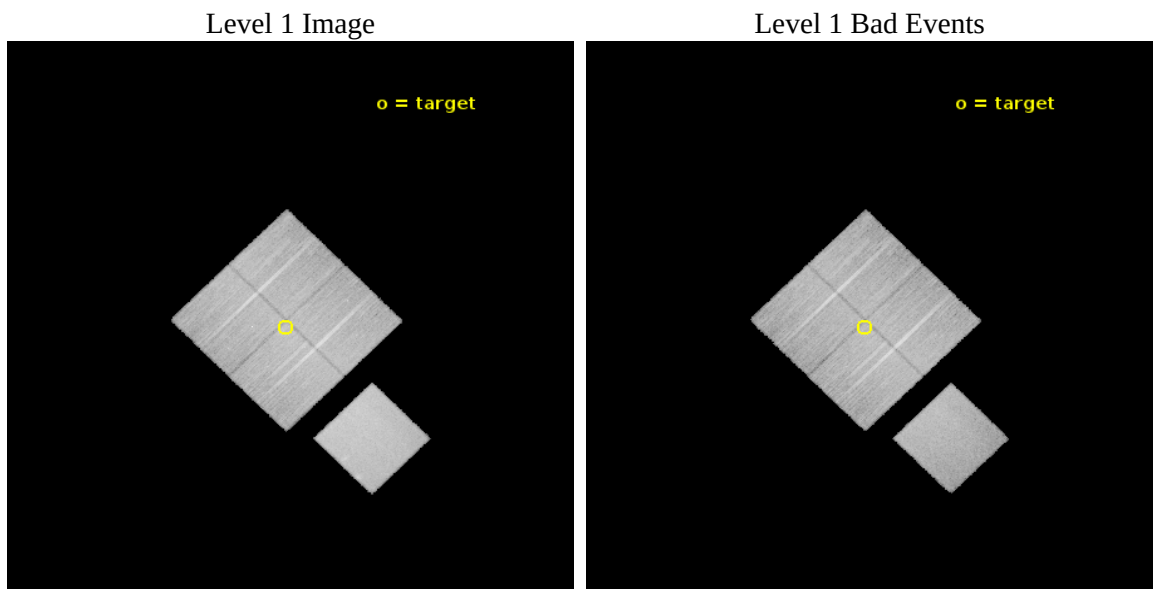
seq_num	801467	Sequence number
obs_id	17184	Observation id
title	Completing the survey of the most massive southern galaxy clusters	
observer	Prof. Hans Boehringer	Principal investigator
object	RXCJ0018.9-4051	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	4.737917	Observer's specified target RA [deg]
dec_targ	-40.860389	Observer's specified target Dec [deg]
ra_nom	4.7290410424526	Nominal RA [deg]
dec_nom	-40.857300364904	Nominal Dec [deg]
roll_nom	135.20289416258	Nominal Roll [deg]
revision	1	Processing version of data
ontime	29769.102096319	Sum of GTIs [s]
livetime	29380.146861737	Livetime [s]
ontime0	29765.837956309	Sum of GTIs [s]
ontime1	29772.160966754	Sum of GTIs [s]
ontime2	29772.202006698	Sum of GTIs [s]
ontime3	29769.102096319	Sum of GTIs [s]
ontime7	29772.284086704	Sum of GTIs [s]
l2events	177037	Number of level 2 events



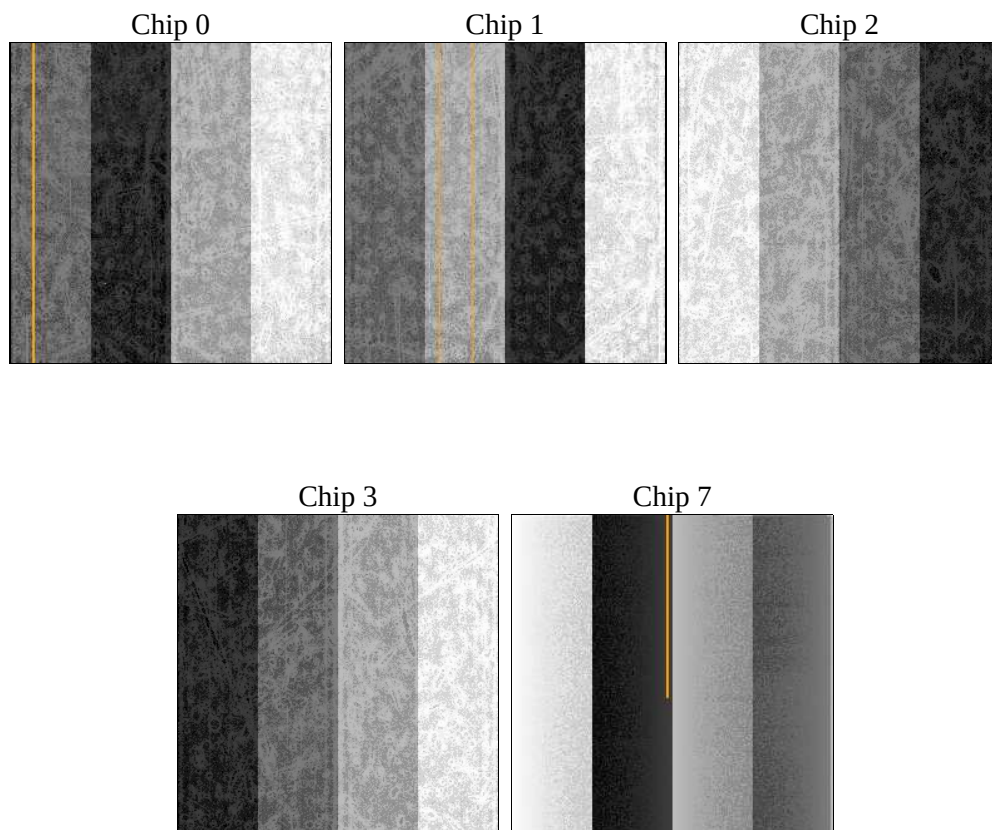
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	30000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	29769.102096319	Sum of GTIs [s]
caldsver	4.7.1	 	ontime0	29765.837956309	Sum of GTIs [s]
date	2016-05-27T06:15:17	Date and time of file creation	ontime1	29772.160966754	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	29772.202006698	Sum of GTIs [s]
			ontime3	29769.102096319	Sum of GTIs [s]
			ontime7	29772.284086704	Sum of GTIs [s]
			l1events	956842	Number of level 1 events

2.1.4 Events

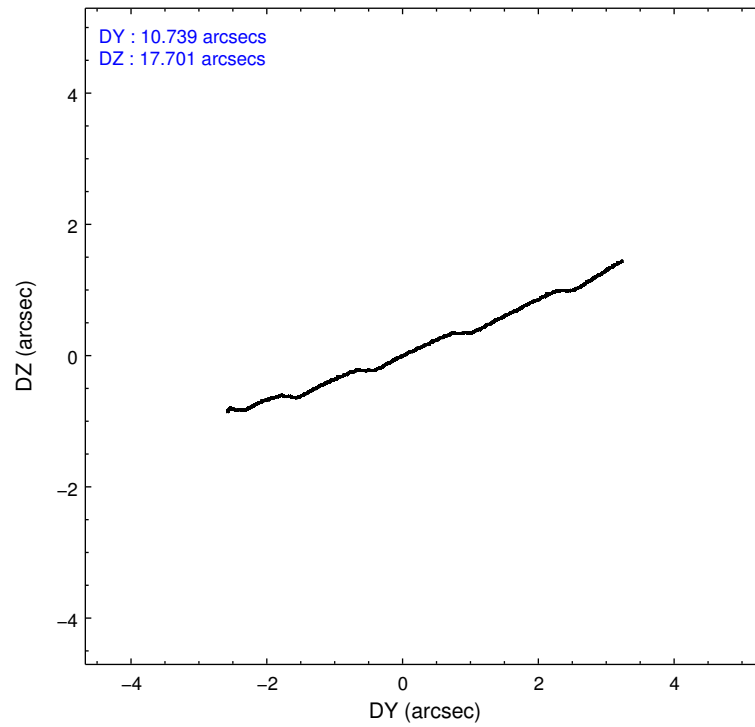
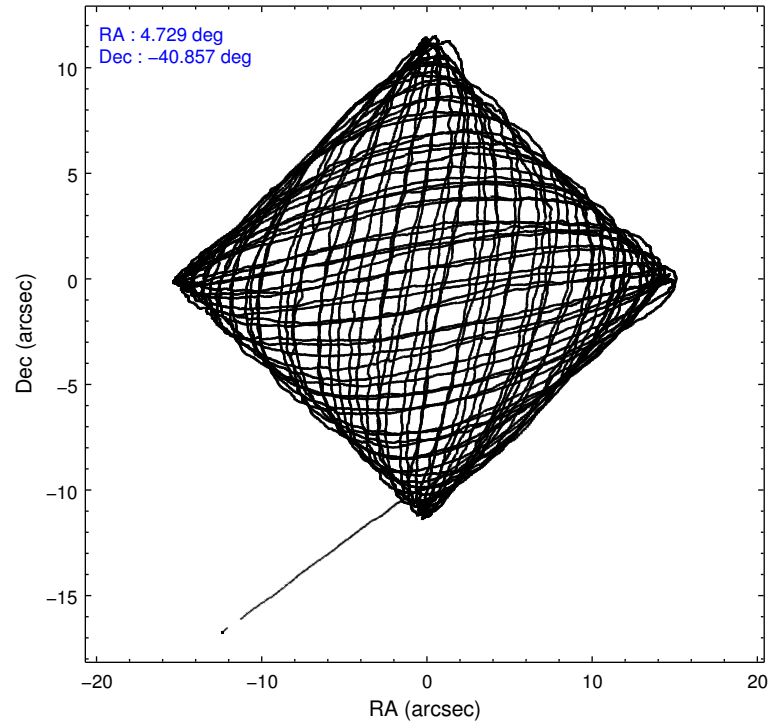
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	169626	172676	180885	189193	244462	grade 0 events	7189	8752	7199	8563	9545
rejected events	148558	148373	160467	167306	137978		4%	5%	3%	4%	3%
rejected %	87%	85%	88%	88%	56%	grade 1 events	75	87	99	122	292
							0%	0%	0%	0%	0%
						grade 2 events	5341	5948	5107	4582	22215
							3%	3%	2%	2%	9%
						grade 3 events	2159	2196	1980	2212	8763
							1%	1%	1%	1%	3%
						grade 4 events	2087	2329	2134	2183	8728
							1%	1%	1%	1%	3%
						grade 5 events	8021	8625	7351	9030	24590
							4%	4%	4%	4%	10%
						grade 6 events	4293	5082	4001	4347	57246
							2%	2%	2%	2%	23%
						grade 7 events	140461	139657	153014	158154	113083
							82%	80%	84%	83%	46%

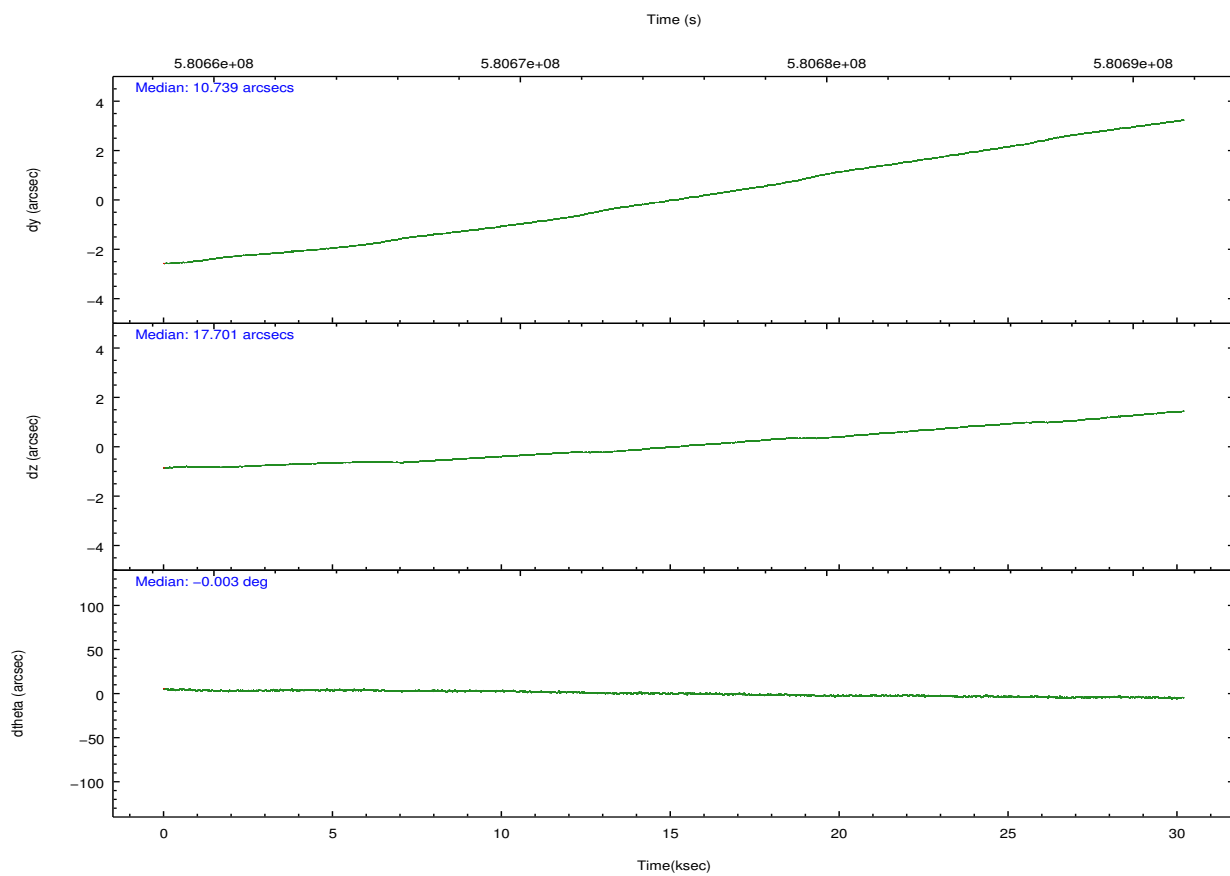
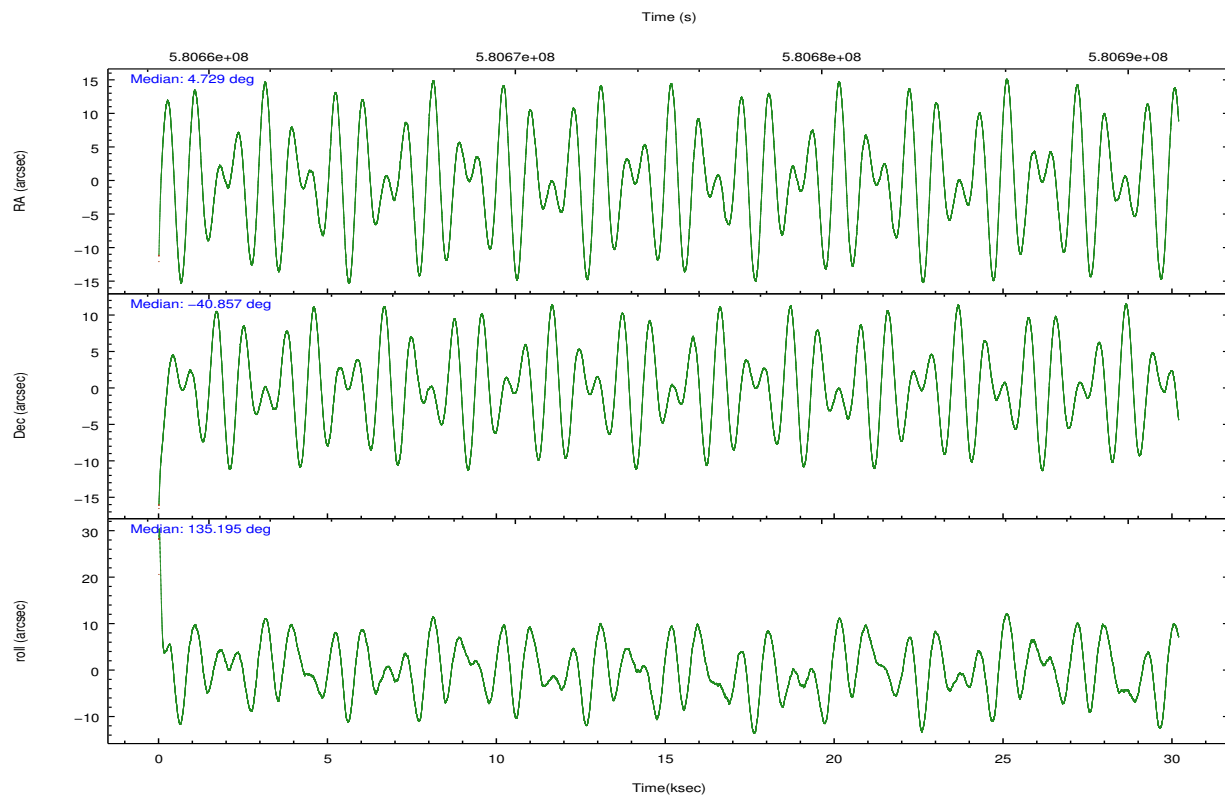
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-01237	ACIS-01237
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	4.764346	4.729041042452586
[deg] Pointing Dec	-40.864244	-40.85730036490433
[deg] Pointing Roll	135.017292	135.202894162581
[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)	580660103.184000	580659207.4475
Observation start date	2016-05-26T14:27:15	2016-05-26T14:13:27
[s] Observation end time (MET)	580690103.184000	580690988.5993201
Observation end date	2016-05-26T22:47:15	2016-05-26T23:03:08
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	Y	Y
CCD I1 on	Y	Y
CCD I2 on	Y	Y
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	N	N
CCD S3 on	O1	Y
CCD S4 on	N	N
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



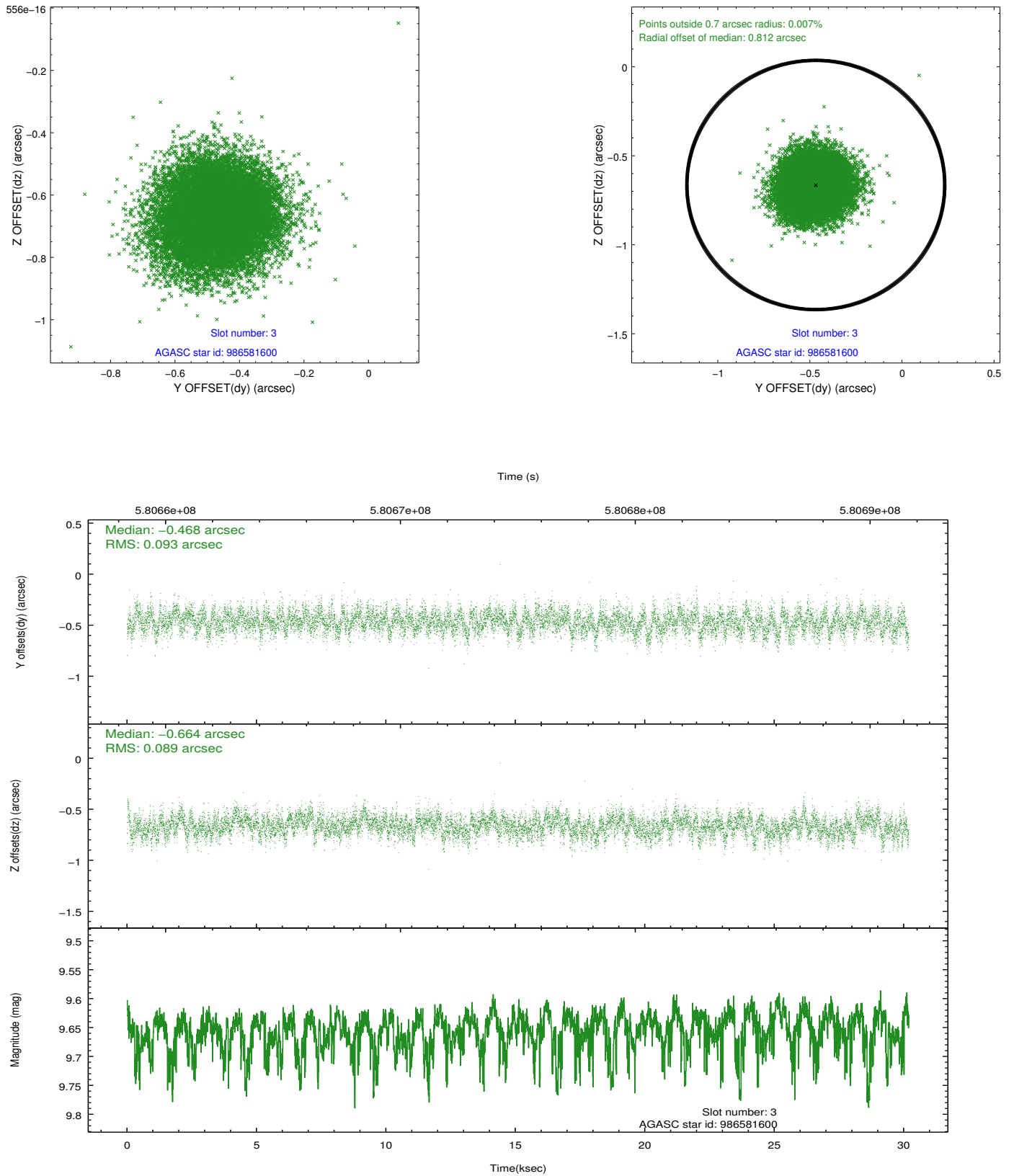


Slot Statistics

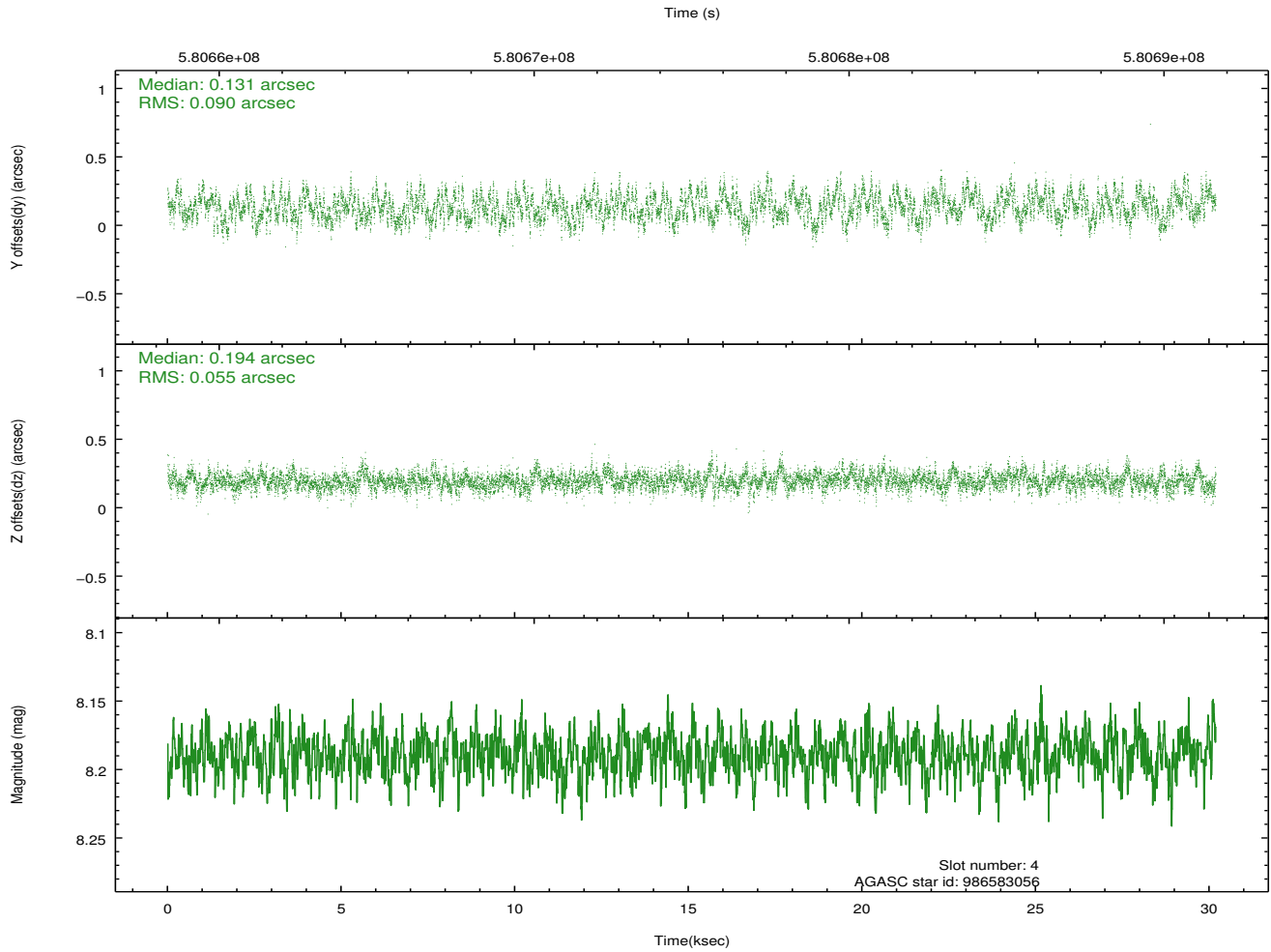
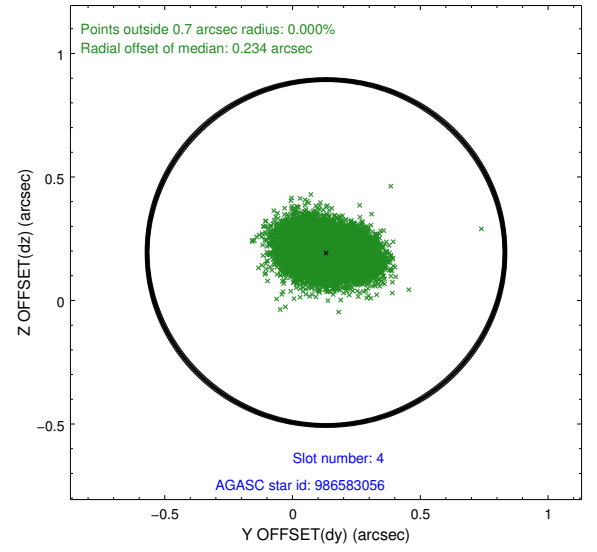
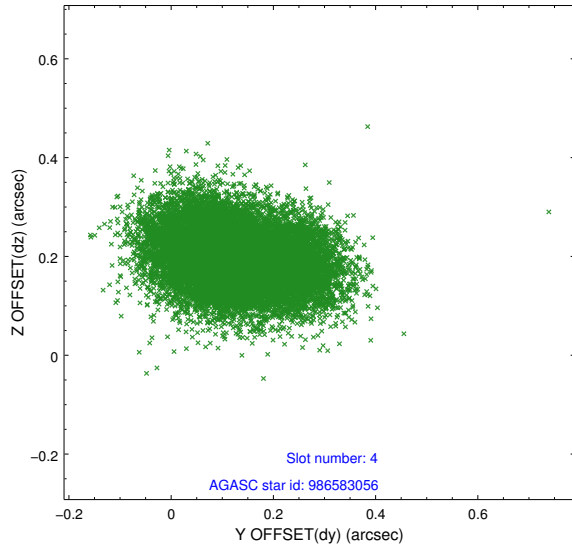
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.25	7362	0.097	-0.037	0.056	0.077	0.000000	0.000000	928.84	-841.50
1	FID		ACIS-I-5	7.24	7360	-0.304	0.078	0.026	0.041	0.000000	0.000000	-1819.67	1056.02
2	FID		ACIS-I-6	7.25	7363	0.110	0.037	0.039	0.054	0.000000	0.000000	394.27	1700.62
3	GUIDE	used	986581600	9.65	14708	-0.468	-0.664	0.138	0.223	3.989537	-40.540709	2315.86	681.05
4	GUIDE	used	986583056	8.19	14723	0.131	0.194	0.112	0.182	4.839298	-40.121187	1742.30	-2034.95
5	GUIDE	used	986583992	9.41	14708	-0.009	0.149	0.170	0.306	4.638466	-40.284403	1720.54	-1232.58
6	GUIDE	used	986584048	9.44	14709	0.104	0.236	0.173	0.268	5.164220	-41.095339	-1356.57	-176.59
7	GUIDE	used	986584624	8.99	14706	0.237	0.109	0.135	0.220	4.652999	-40.109866	2136.81	-1703.89

2.4 Star Slots

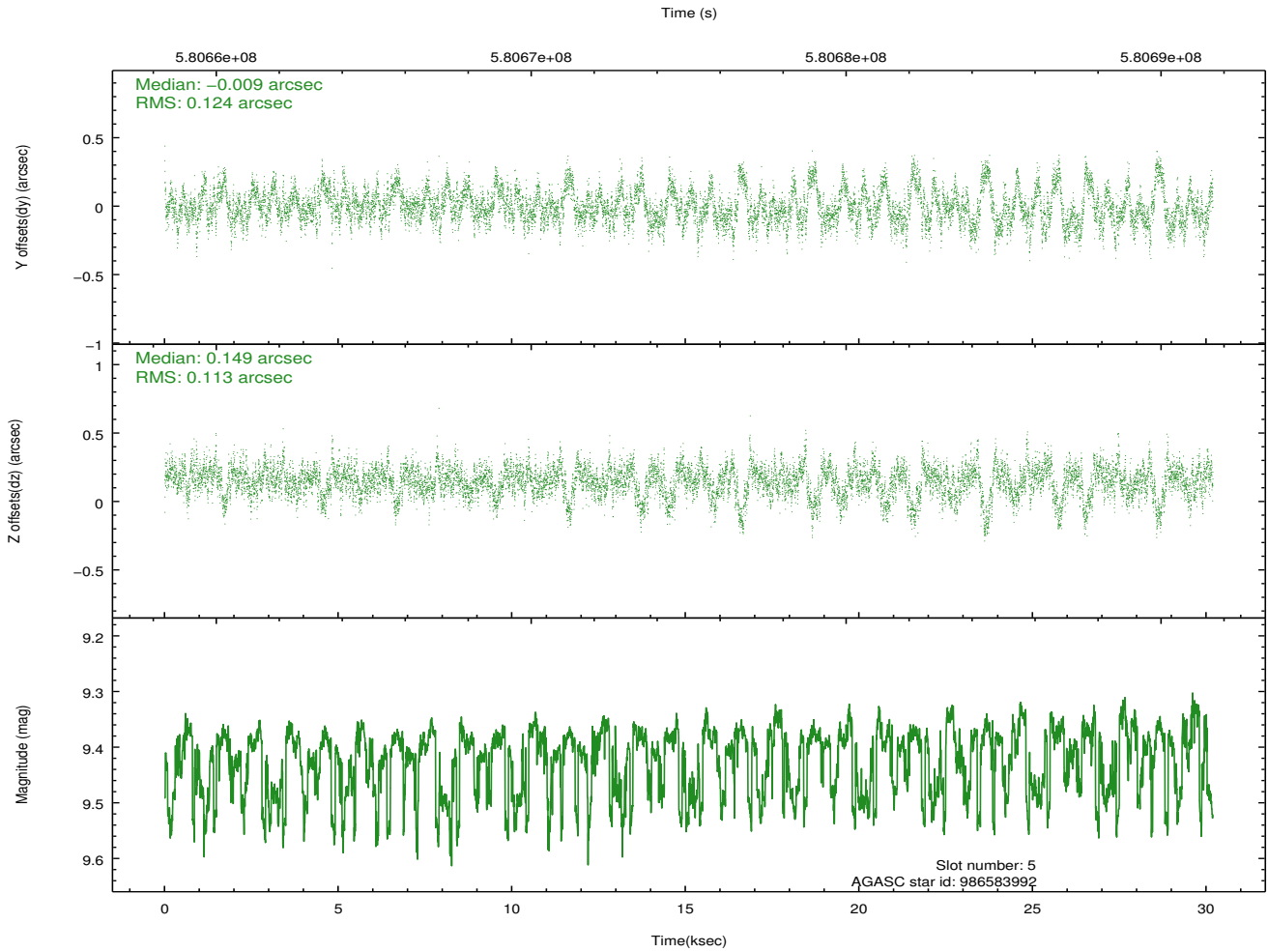
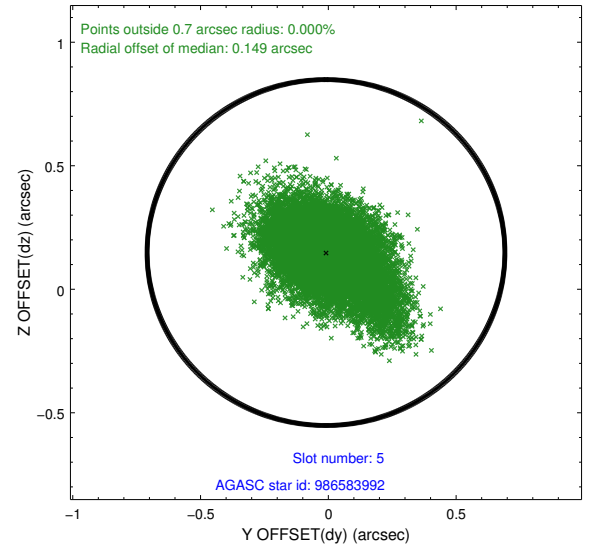
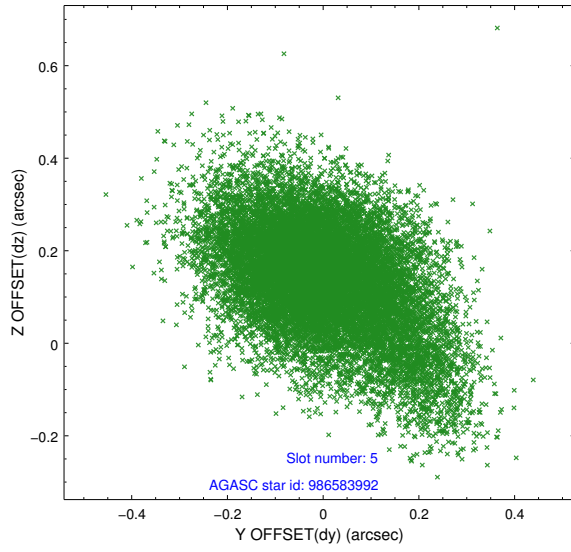
2.4.1 Slot 3



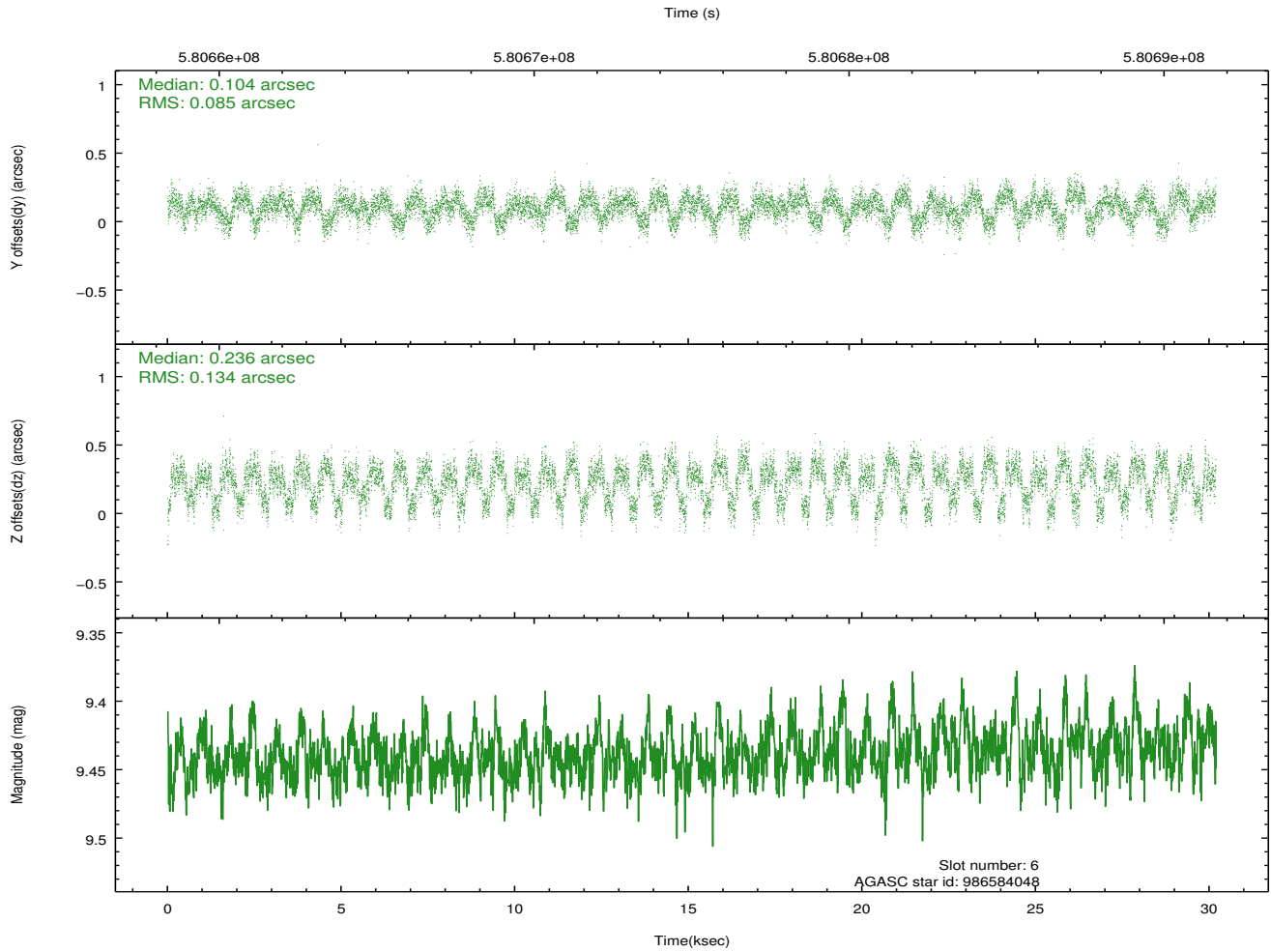
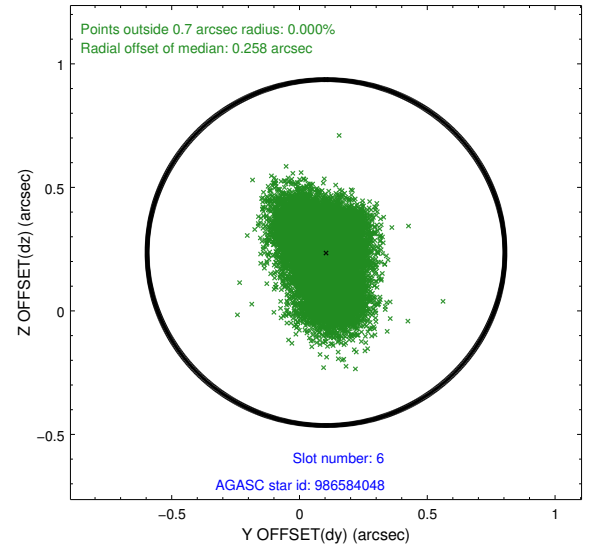
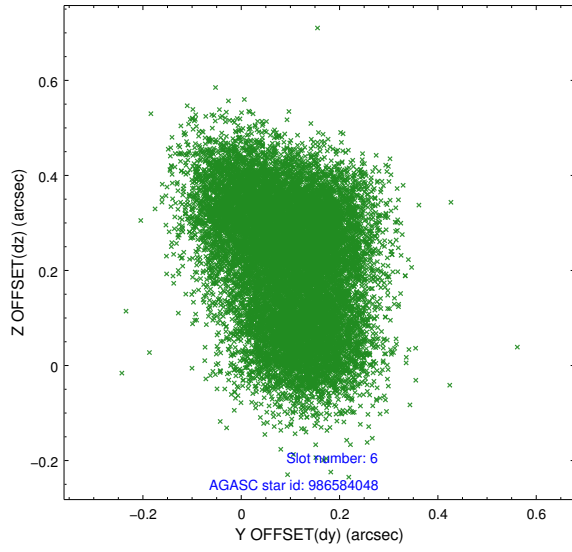
2.4.2 Slot 4



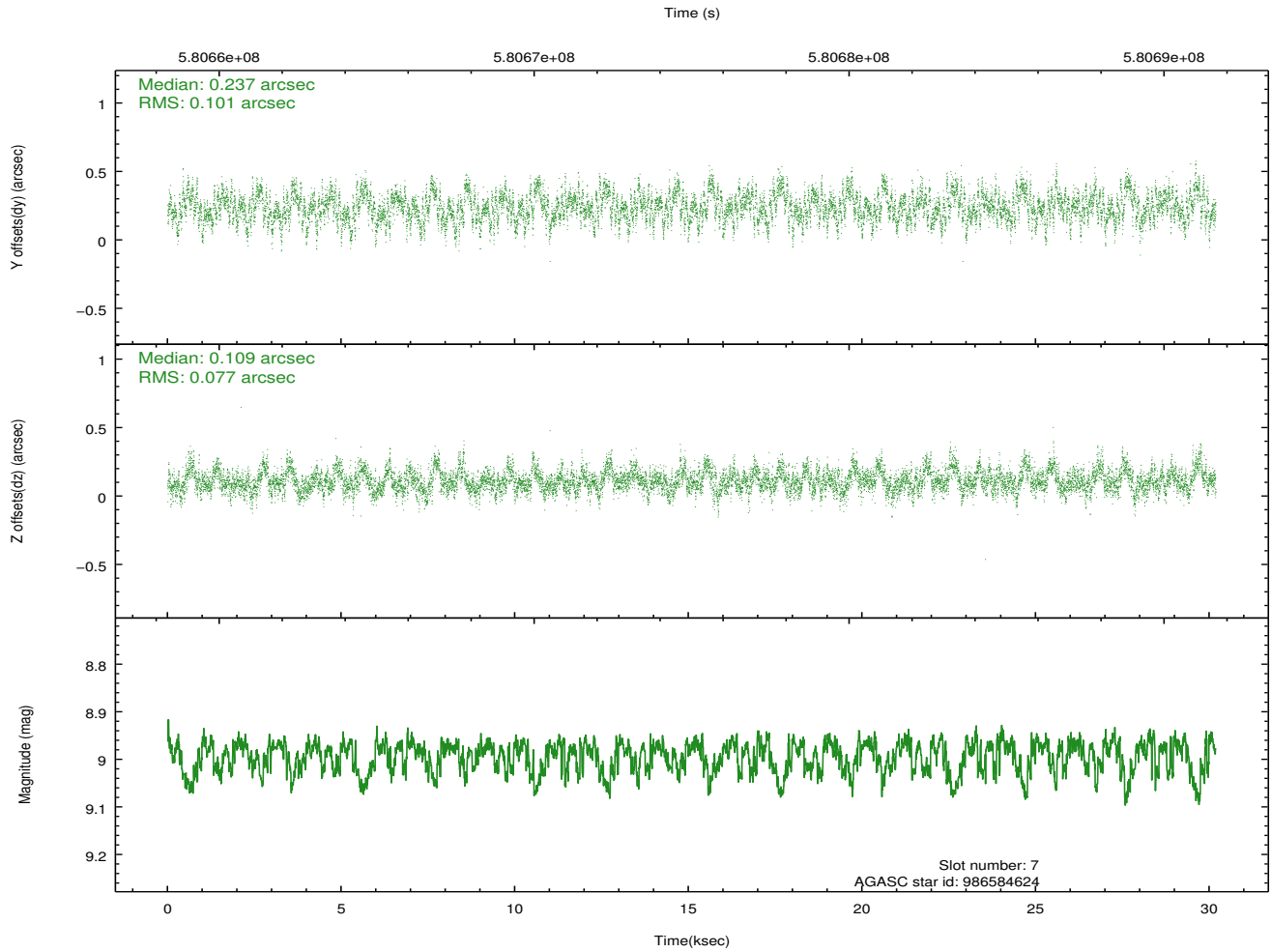
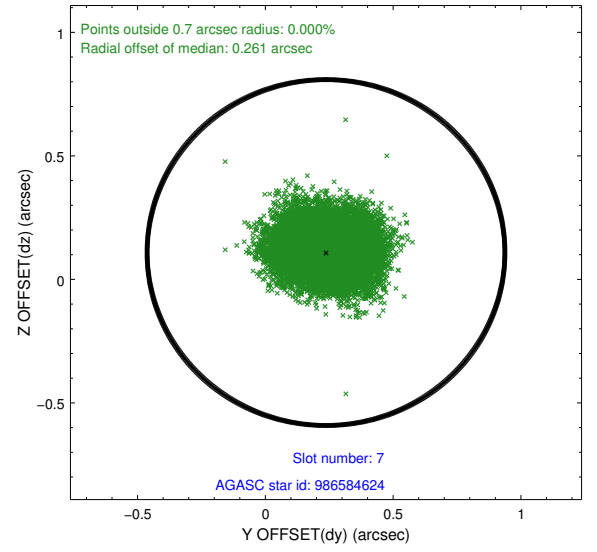
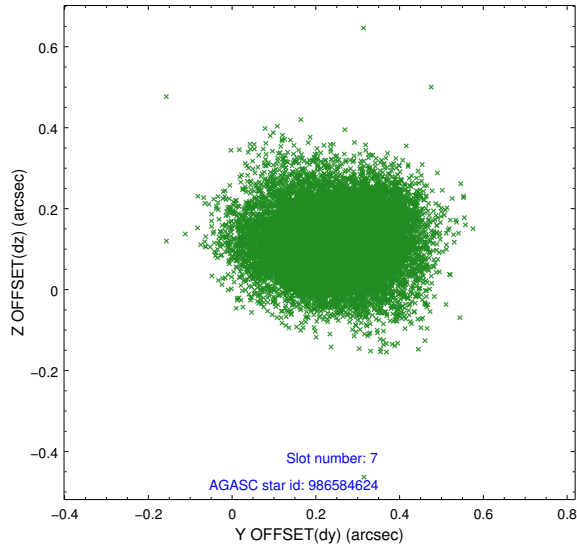
2.4.3 Slot 5



2.4.4 Slot 6

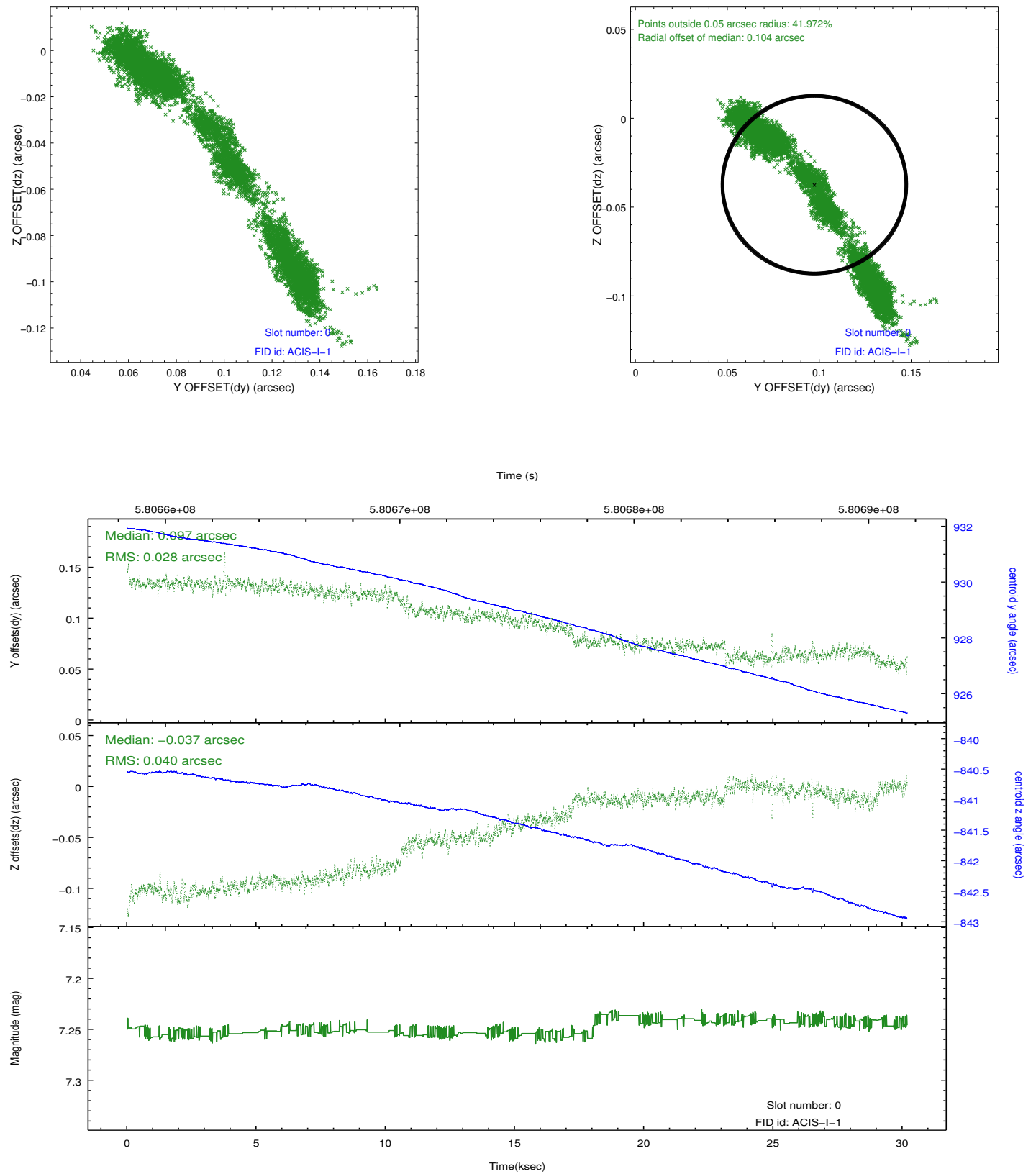


2.4.5 Slot 7

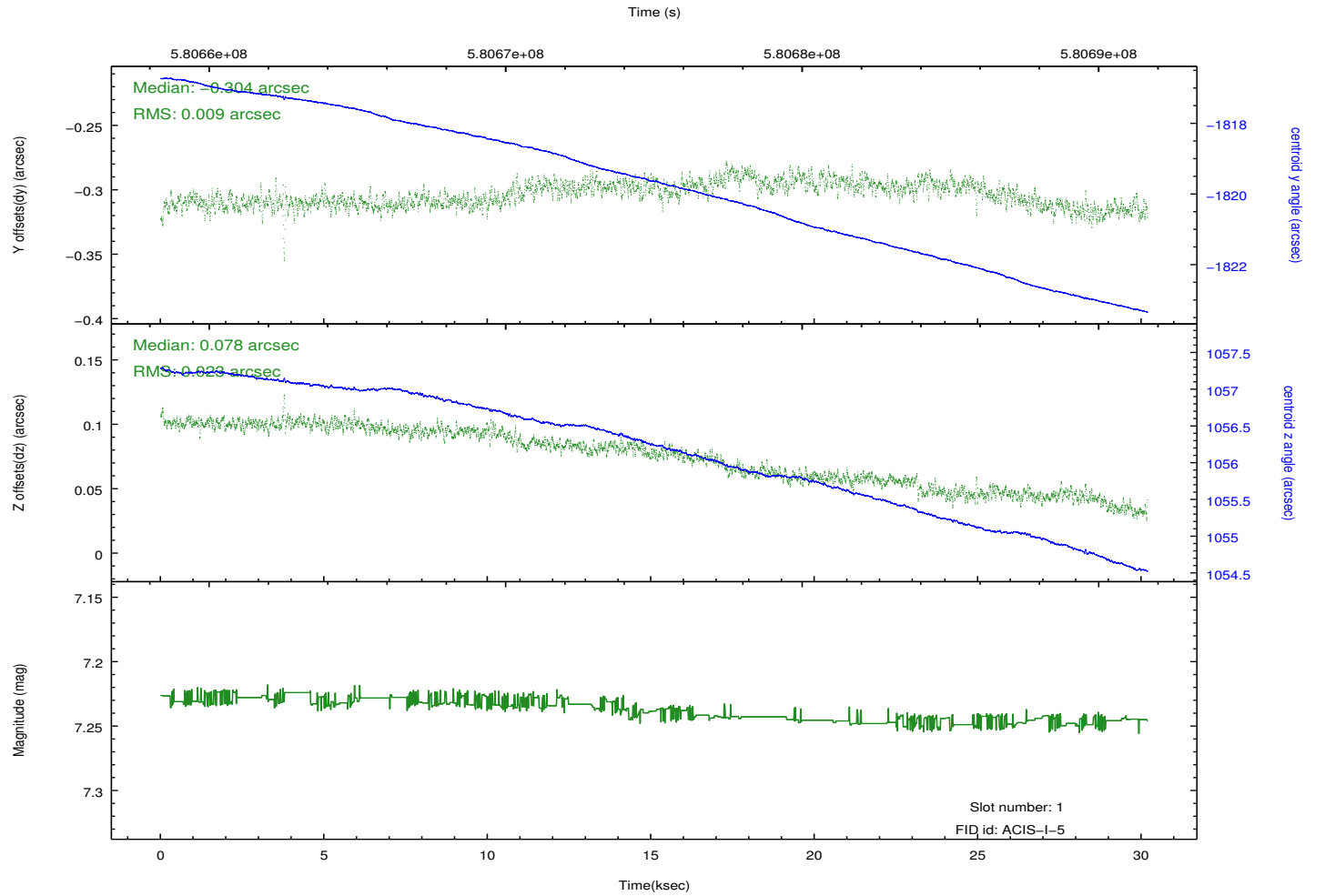
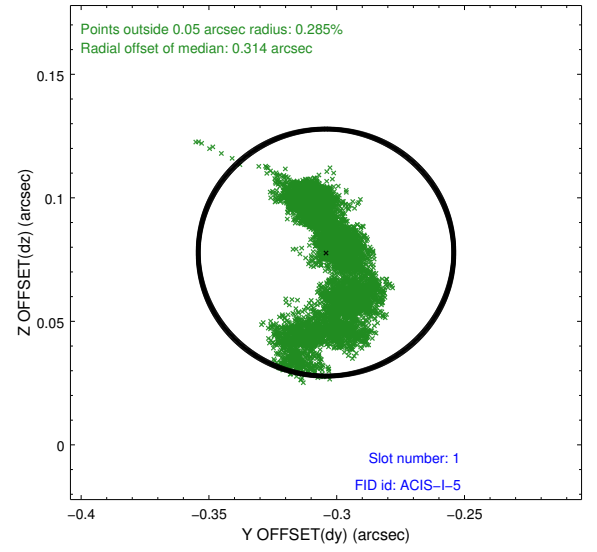
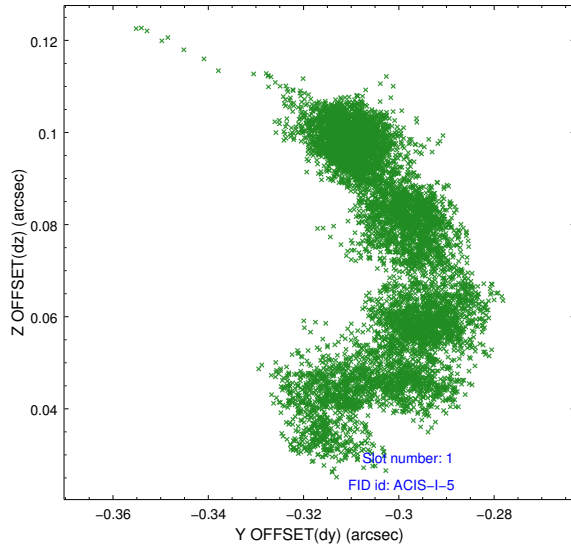


2.5 FID Slots

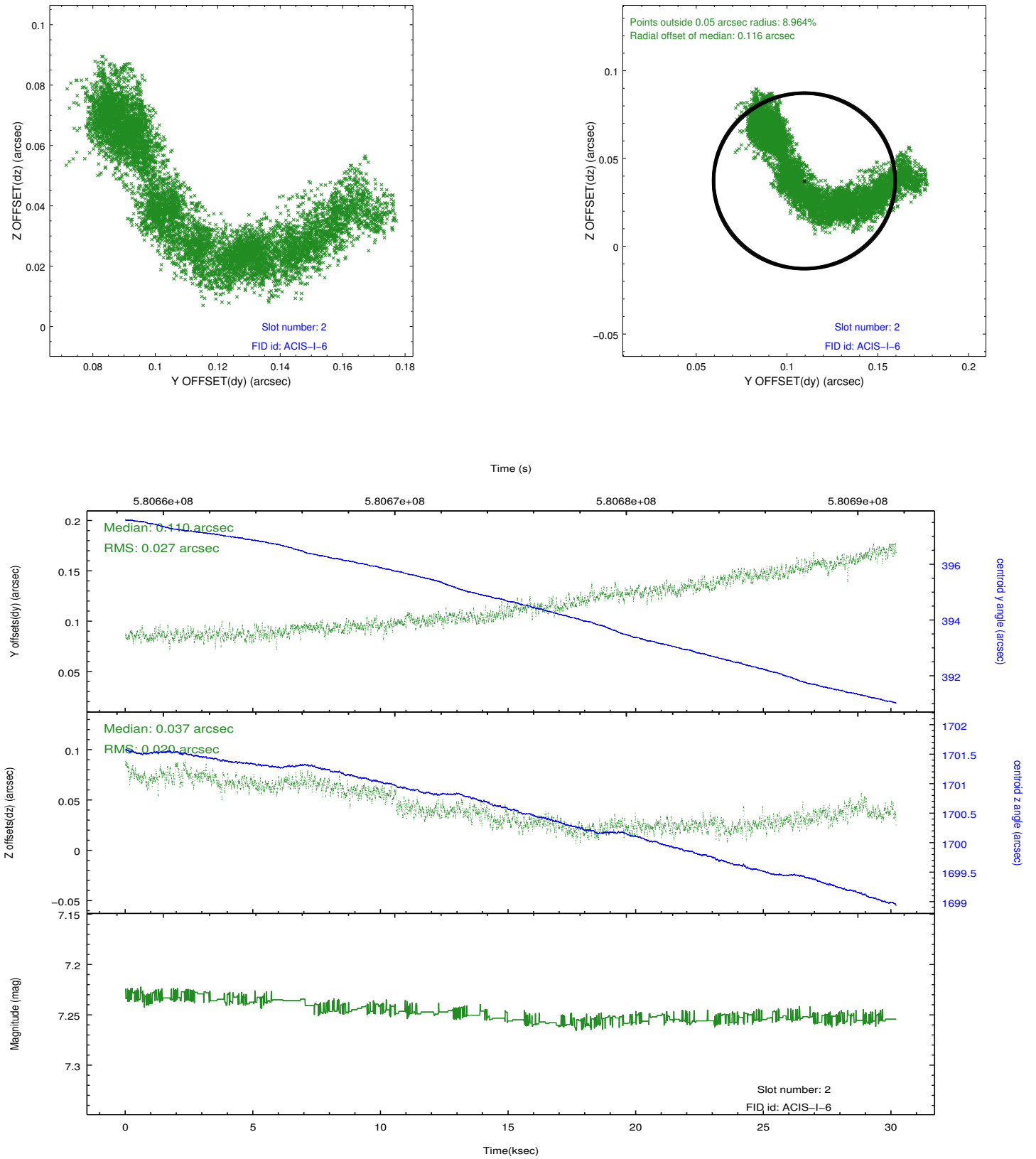
2.5.1 Slot 0



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)	2016.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.769102096319

A.2 Comments