

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 20058 - L2 Version 1
Chandra X-Ray Center

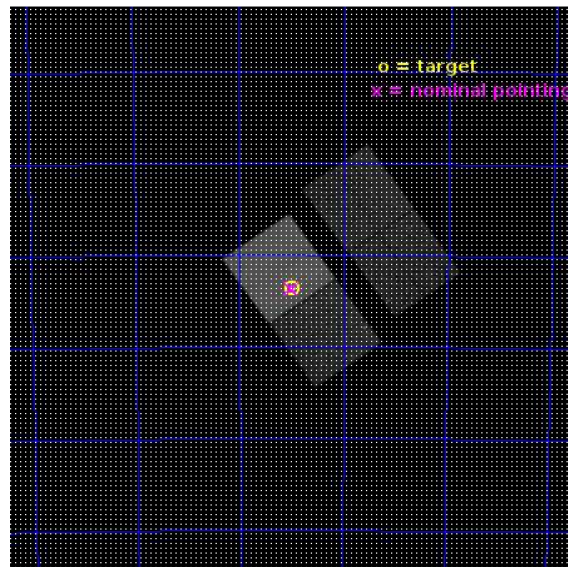
L2 Processing Date : Apr 15 2017

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1 Front

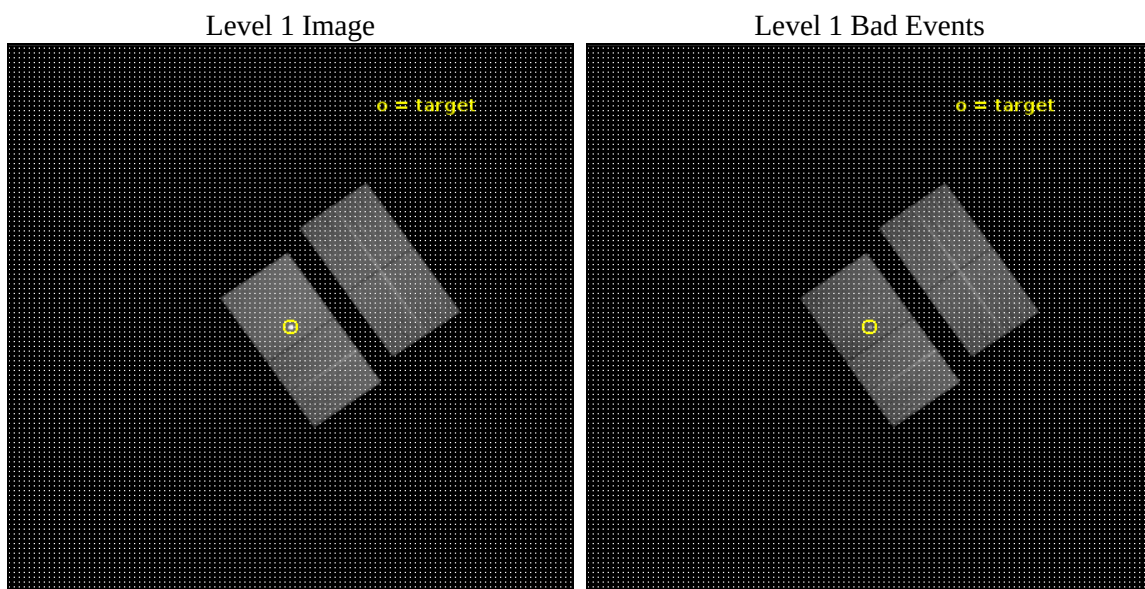
seq_num	502637	Sequence number
obs_id	20058	Observation id
title	N103B: A Type Ia Remnant with Circumstellar Interaction... Kepler's Older Cousin?	Proposal title
observer	Dr. Brian Williams	Principal investigator
object	SNR 0509-68.7	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	77.245833	Observer's specified target RA [deg]
dec_targ	-68.726111	Observer's specified target Dec [deg]
ra_nom	77.250464372125	Nominal RA [deg]
dec_nom	-68.727953897172	Nominal Dec [deg]
roll_nom	235.16093574155	Nominal Roll [deg]
revision	1	Processing version of data
ontime	44367.200341344	Sum of GTIs [s]
livetime	43787.510206227	Livetime [s]
ontime2	44367.200341344	Sum of GTIs [s]
ontime3	44367.200341344	Sum of GTIs [s]
ontime6	44367.200341344	Sum of GTIs [s]
ontime7	44367.200341344	Sum of GTIs [s]
l2events	405139	Number of level 2 events



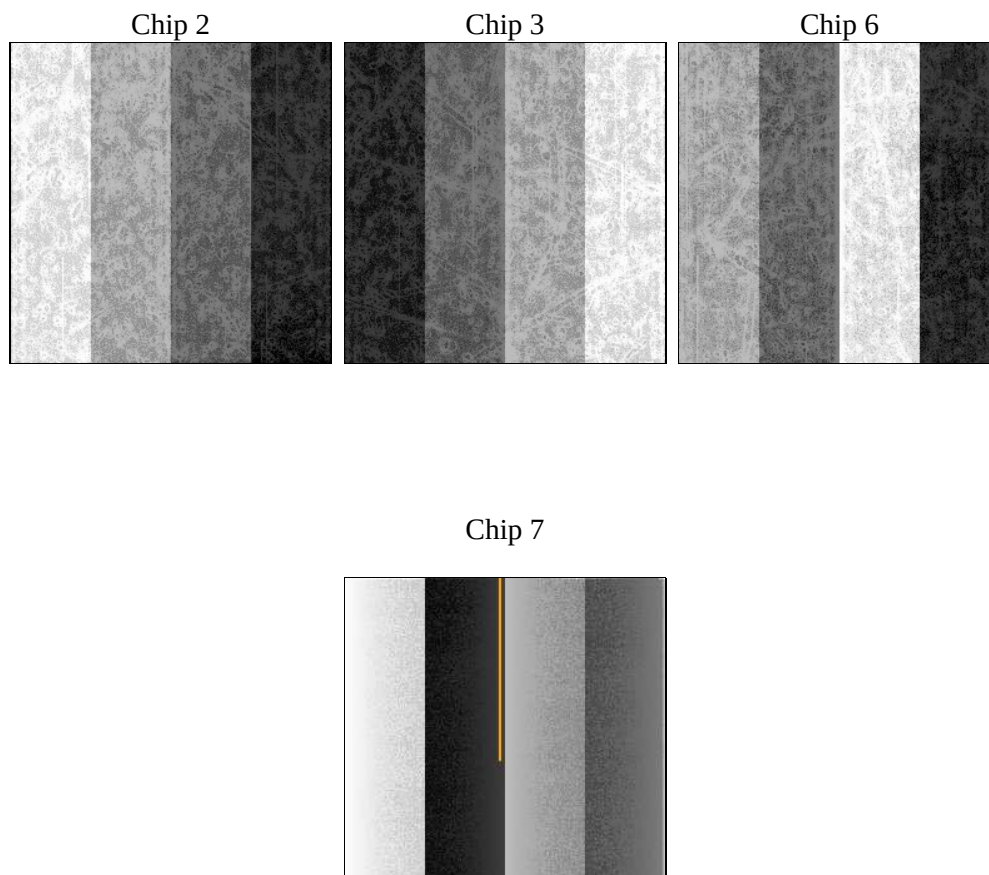
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	44300.000000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	44367.200341344	Sum of GTIs [s]
caldsver	4.7.3	 	ontime2	44367.200341344	Sum of GTIs [s]
date	2017-04-15T14:11:16	Date and time of file creation	ontime3	44367.200341344	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	44367.200341344	Sum of GTIs [s]
			ontime7	44367.200341344	Sum of GTIs [s]
			l1events	1512800	Number of level 1 events

2.1.4 Events

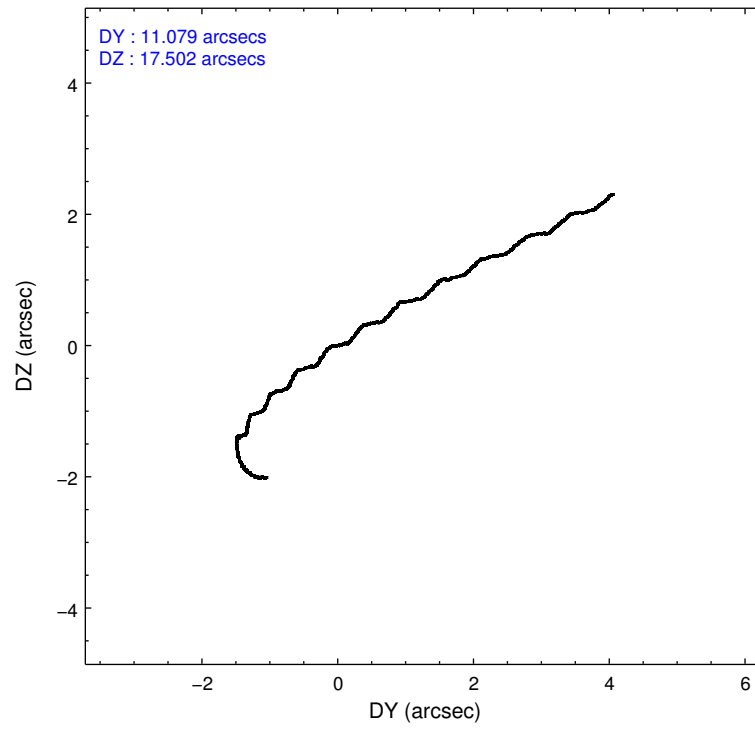
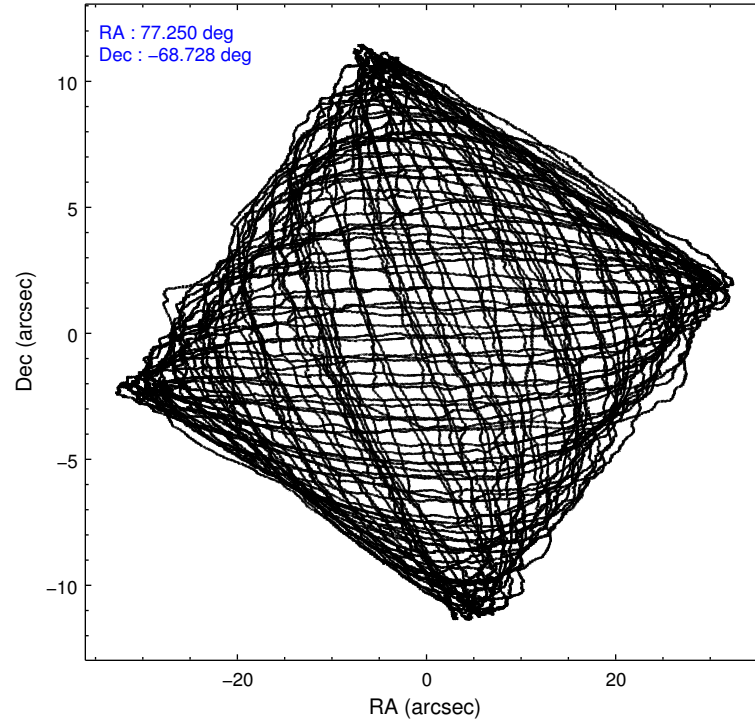
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	317910	309168	336126	549596
rejected events	282994	275618	298051	231856
rejected %	89%	89%	88%	42%

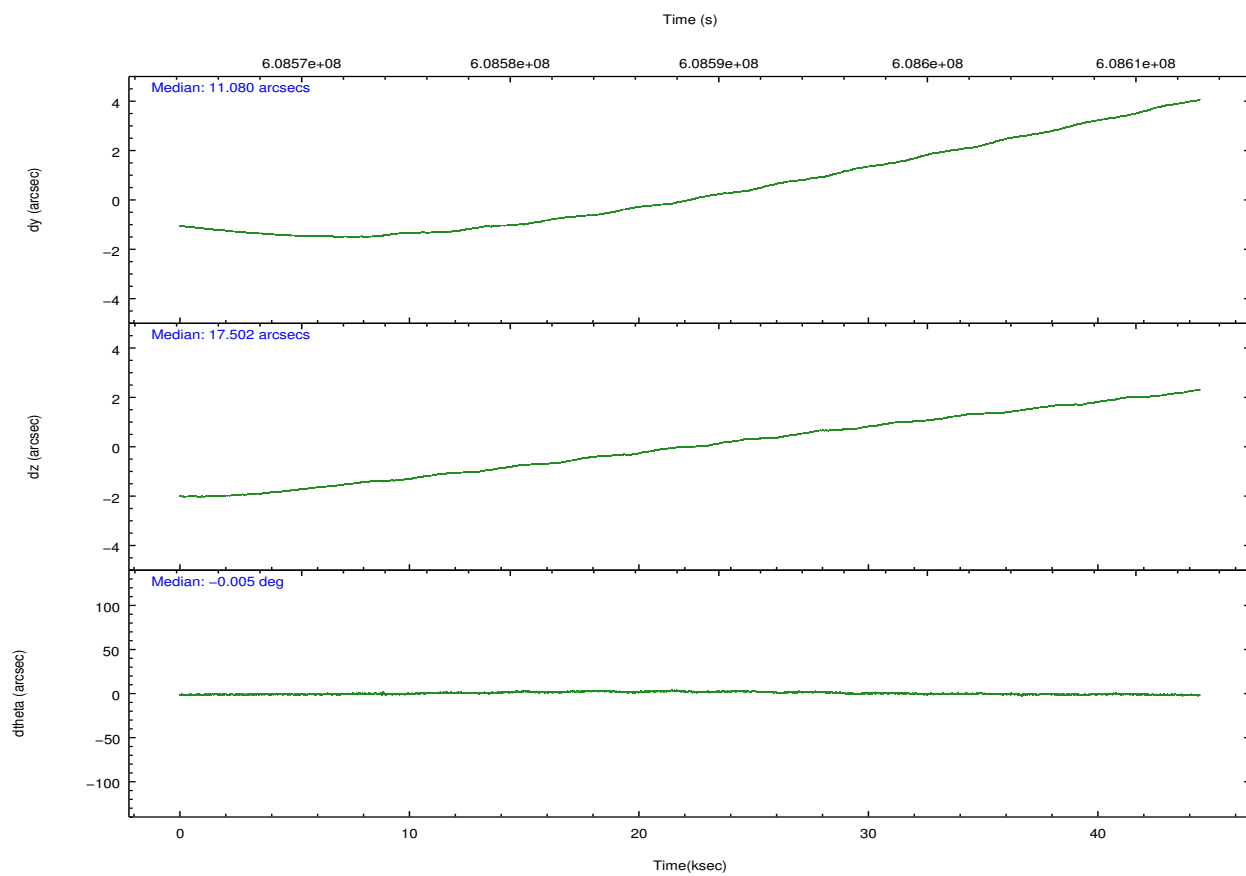
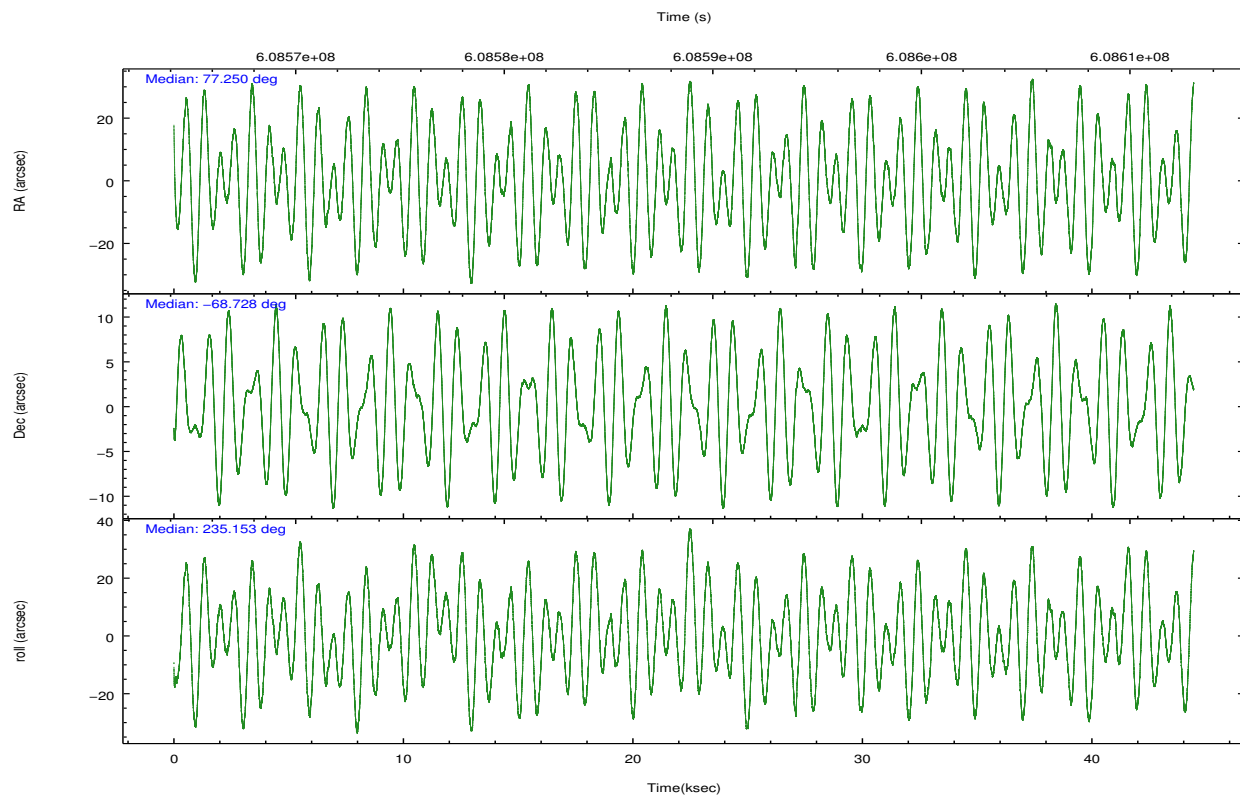
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	12656	12729	13321	53439
	3%	4%	3%	9%
grade 1 events	173	171	183	1211
	0%	0%	0%	0%
grade 2 events	8512	7125	8796	77571
	2%	2%	2%	14%
grade 3 events	3459	3506	3613	30988
	1%	1%	1%	5%
grade 4 events	3589	3467	3585	30303
	1%	1%	1%	5%
grade 5 events	12095	14752	14888	42260
	3%	4%	4%	7%
grade 6 events	6709	6731	8763	125478
	2%	2%	2%	22%
grade 7 events	270717	260687	282977	188346
	85%	84%	84%	34%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	77.255872	77.25046437212505	Subarray requested	NONE	NONE
[deg] Pointing Dec	-68.700588	-68.72795389717221	Alternating exposures requested	N	N
[deg] Pointing Roll	235.009355	235.16093574155	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	608566546.184000	608565521.3196501			
Observation start date	2017-04-14T14:14:37	2017-04-14T13:58:41			
[s] Observation end time (MET)	608610846.184000	608611609.42233			
Observation end date	2017-04-15T02:32:57	2017-04-15T02:46:49			
Read mode	TIMED	TIMED			

2.3 Aspect



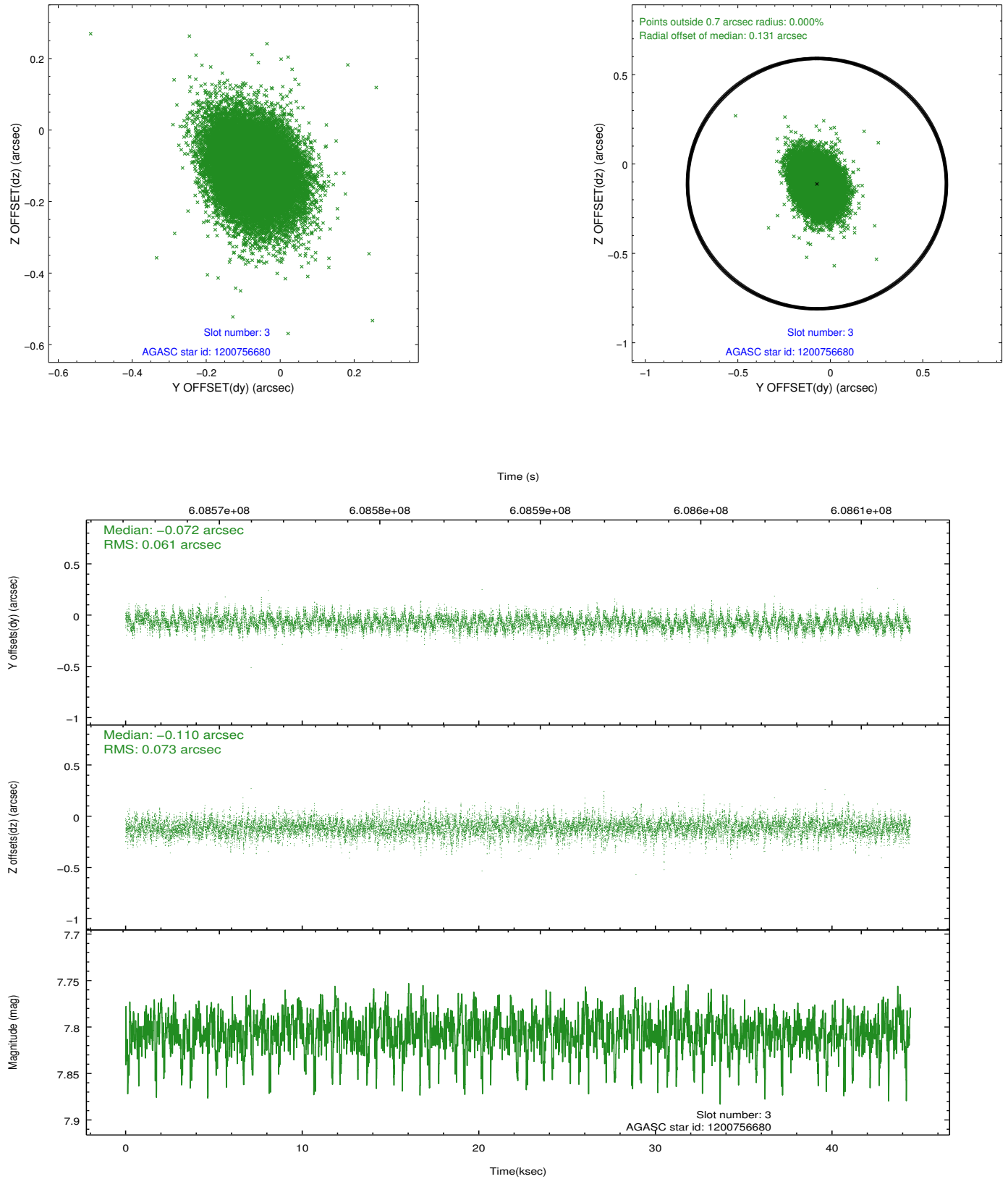


Slot Statistics

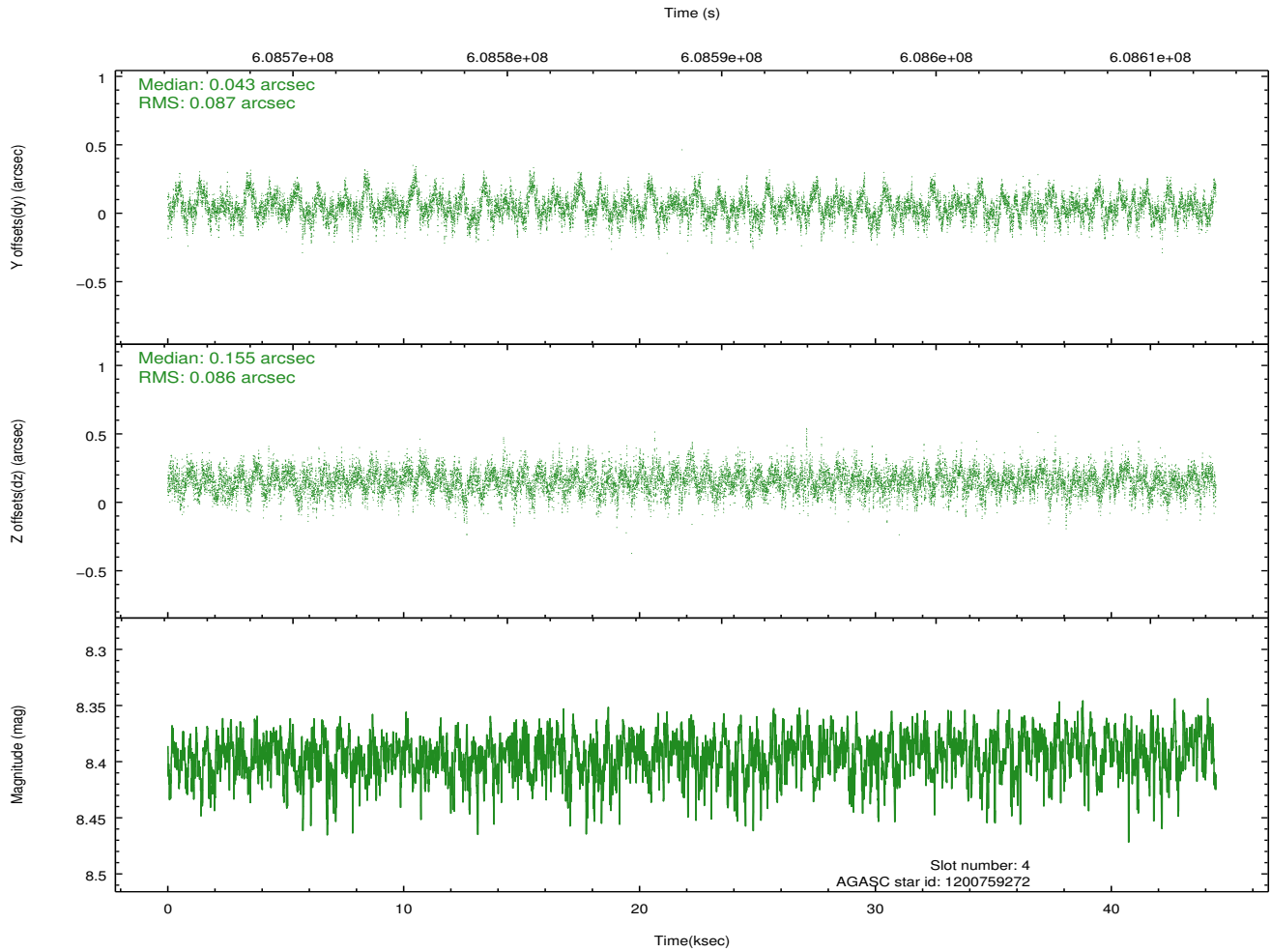
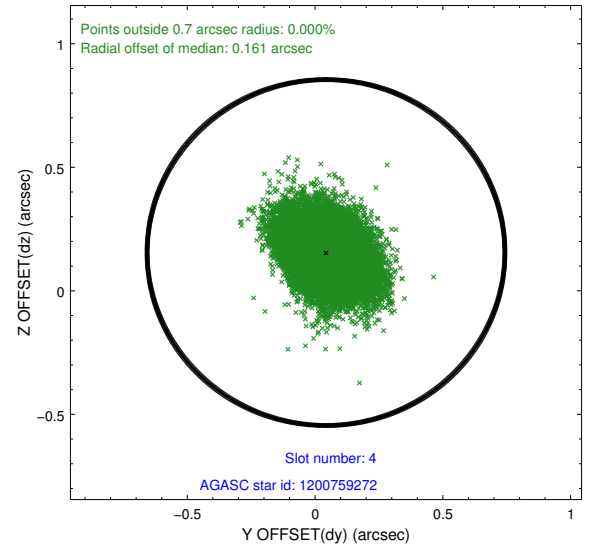
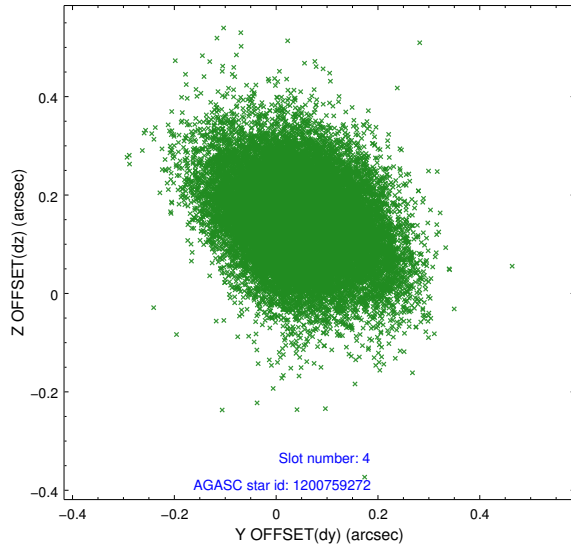
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.02	10838	-0.156	-0.084	0.032	0.055	0.000000	0.000000	-764.56	-1739.00
1	FID		ACIS-S-4	7.15	10838	0.400	0.095	0.033	0.088	0.000000	0.000000	2149.26	169.69
2	FID		ACIS-S-5	7.16	10838	-0.272	-0.010	0.034	0.054	0.000000	0.000000	-1817.55	163.21
3	GUIDE	used	1200756680	7.81	21671	-0.072	-0.110	0.099	0.168	76.219475	-68.900351	1369.73	-680.19
4	GUIDE	used	1200759272	8.39	21663	0.043	0.155	0.129	0.216	75.444915	-68.988718	2218.98	-1299.61
5	GUIDE	used	1200758760	8.28	21665	0.109	0.359	0.108	0.184	76.277764	-68.086435	-1048.31	-2338.07
6	GUIDE	used	1200886248	8.38	21666	-0.176	-0.139	0.113	0.194	79.513576	-68.465750	-2358.31	1989.90
7	GUIDE	used	1201280984	6.99	21675	0.095	-0.260	0.118	0.192	77.867422	-69.546090	2055.76	2378.36

2.4 Star Slots

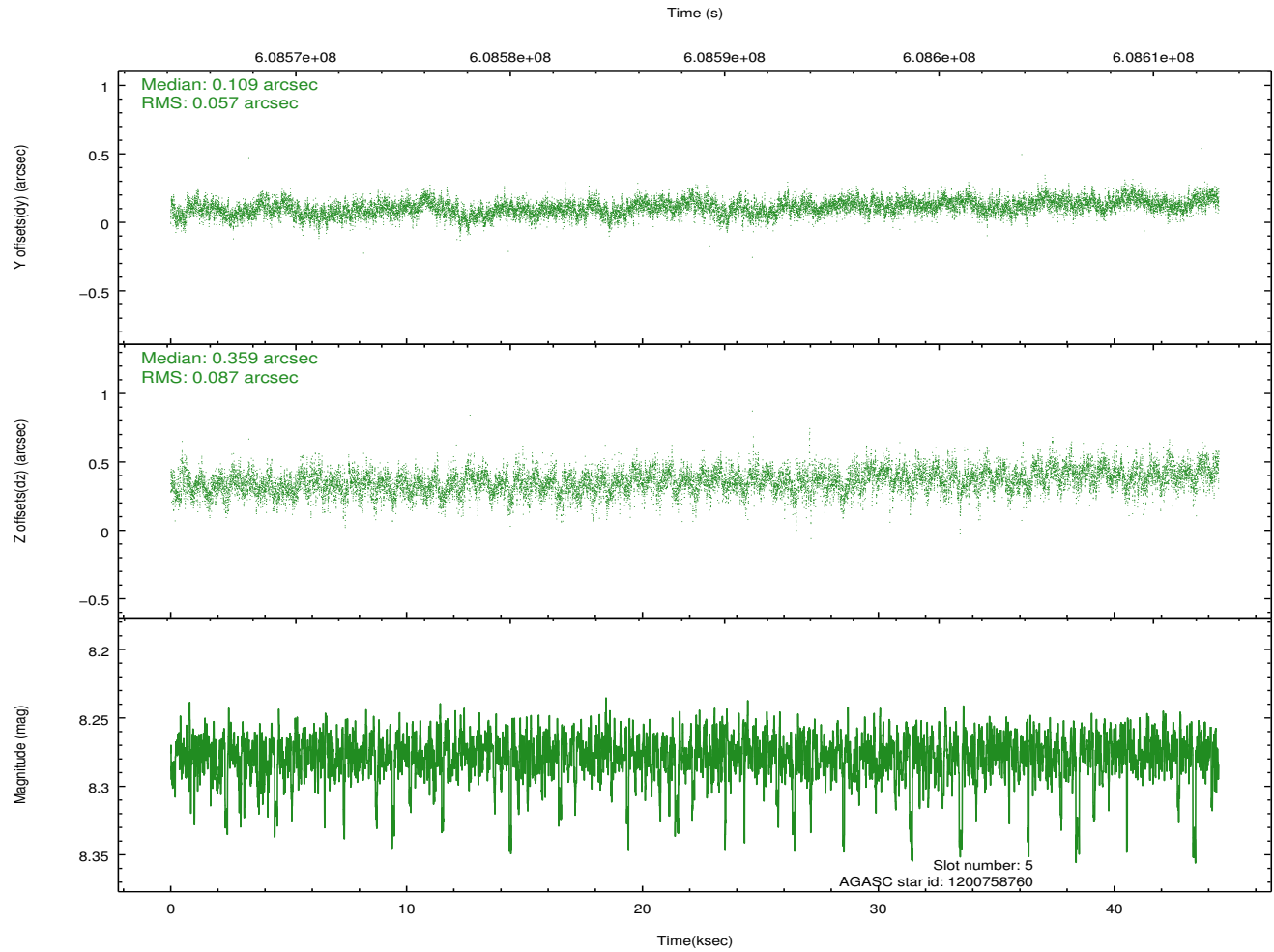
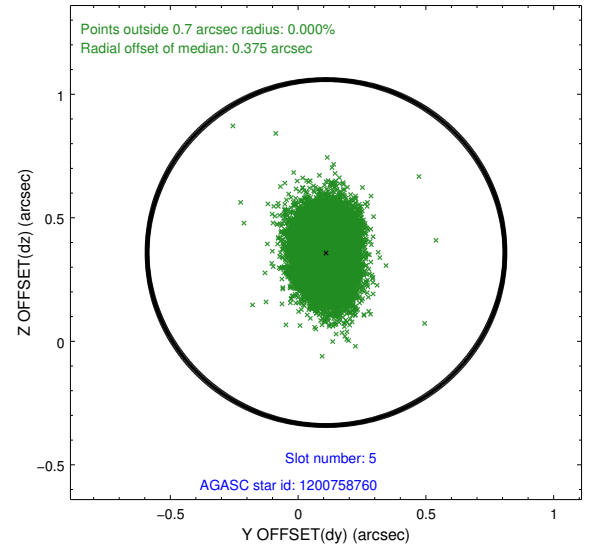
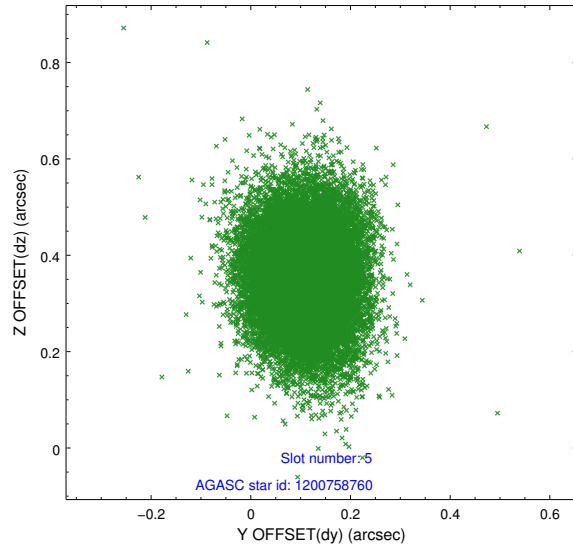
2.4.1 Slot 3



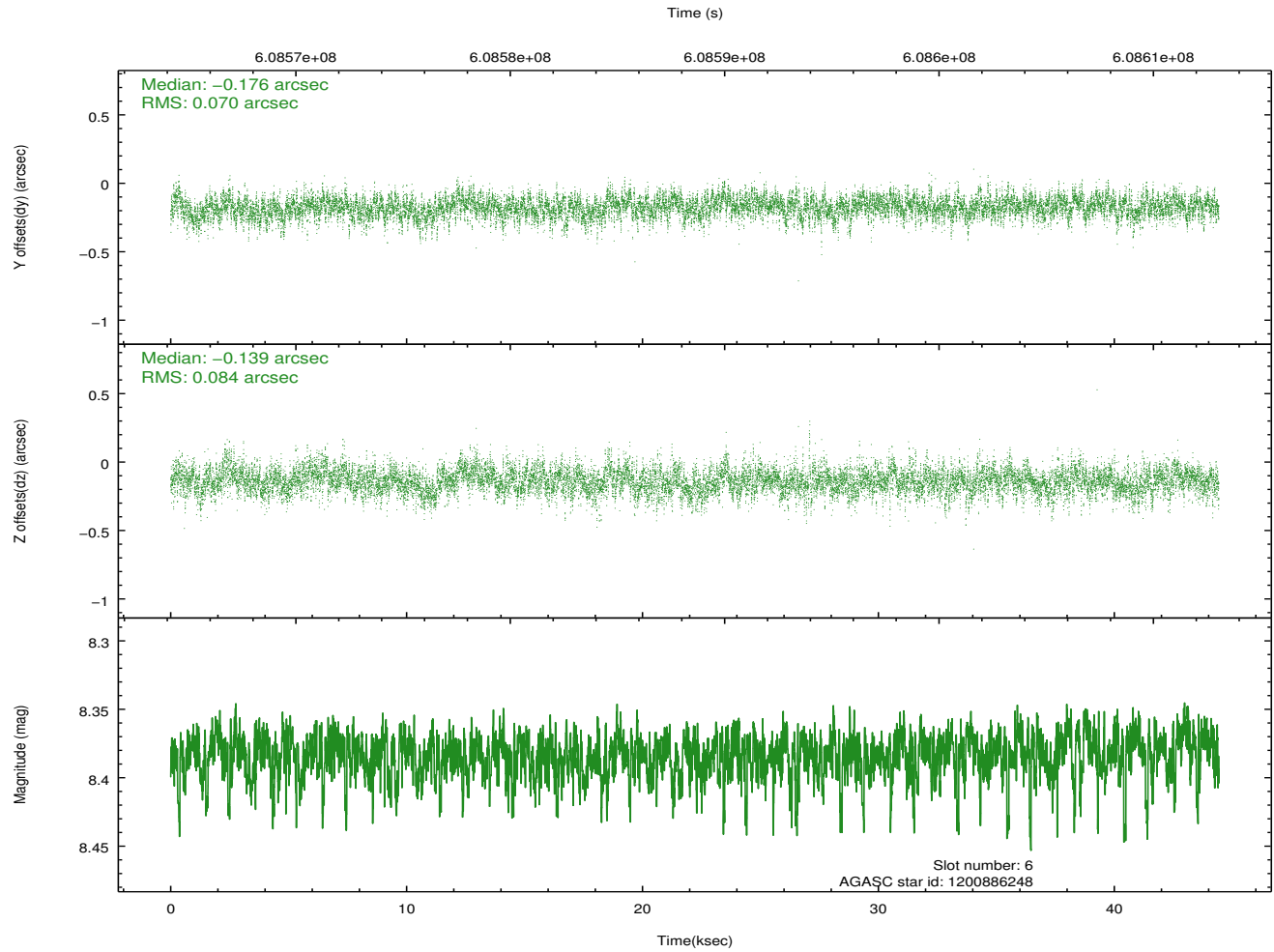
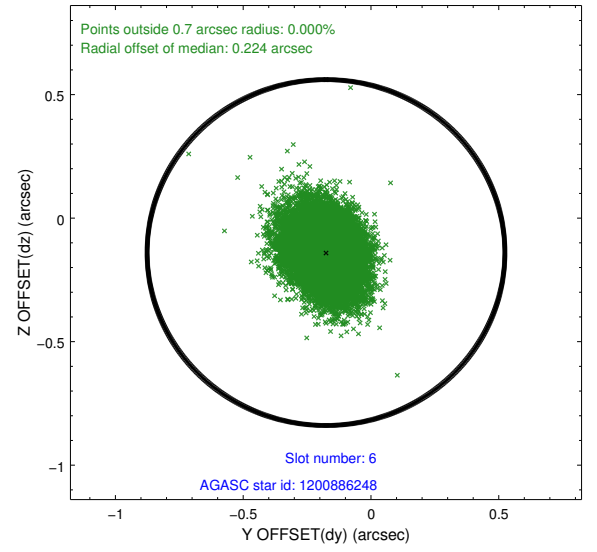
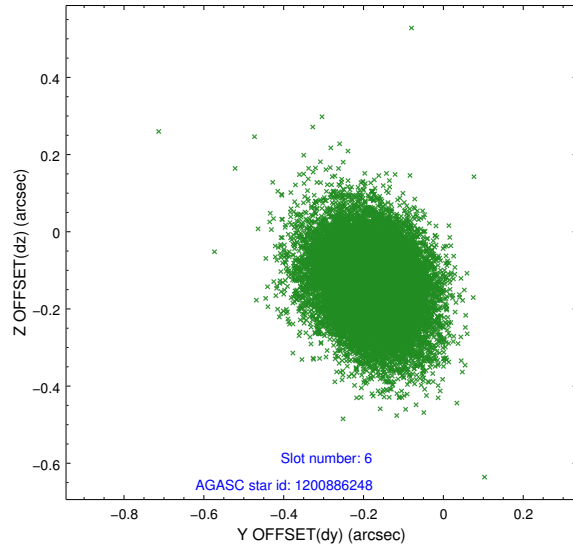
2.4.2 Slot 4



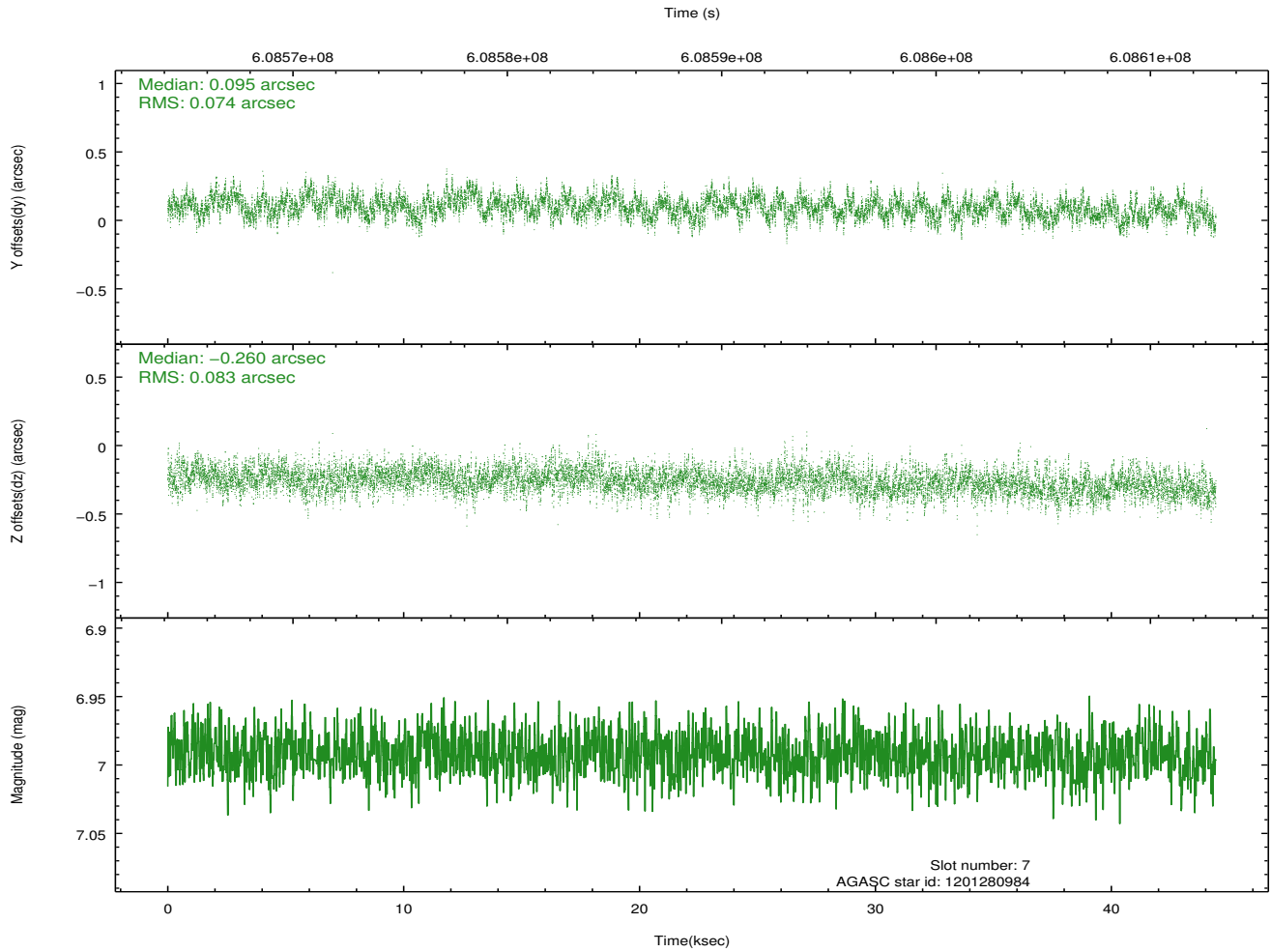
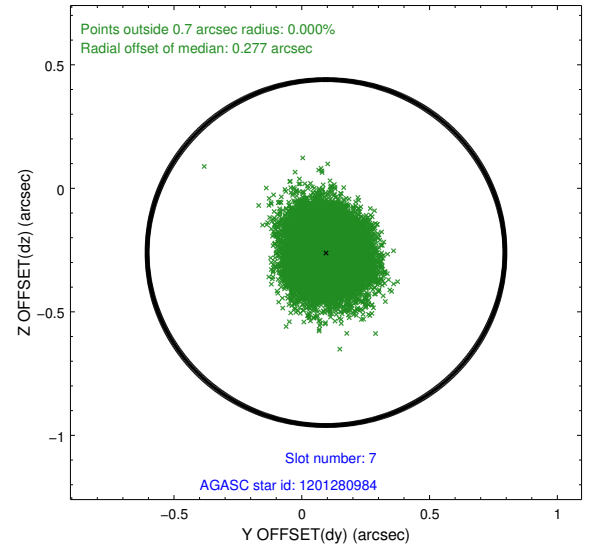
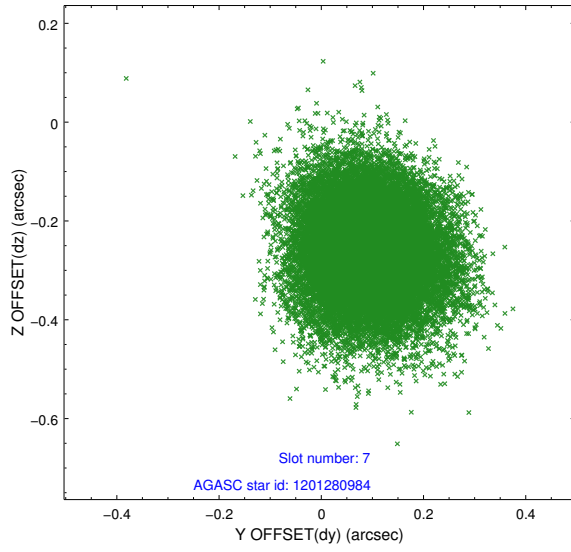
2.4.3 Slot 5



2.4.4 Slot 6

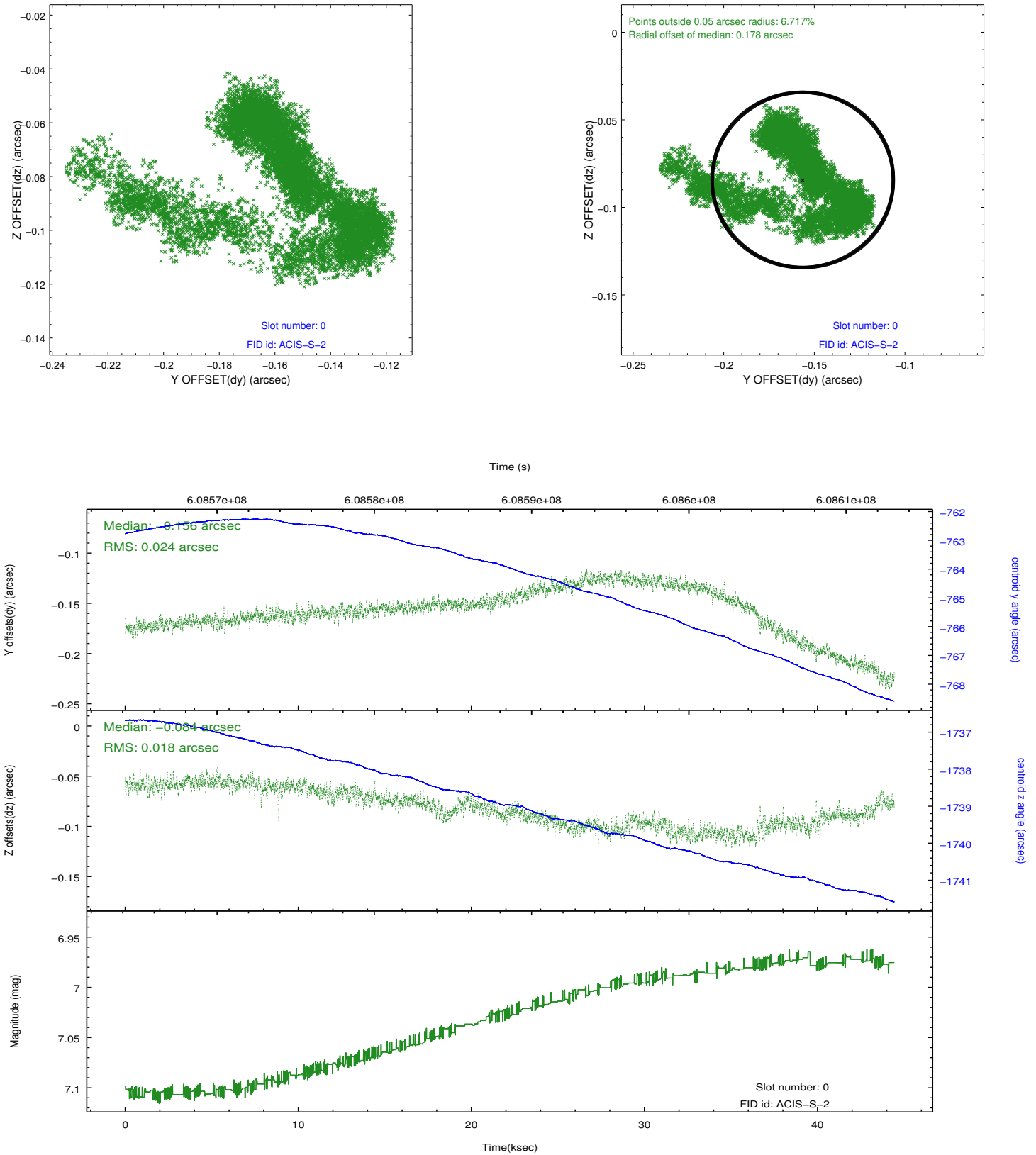


2.4.5 Slot 7

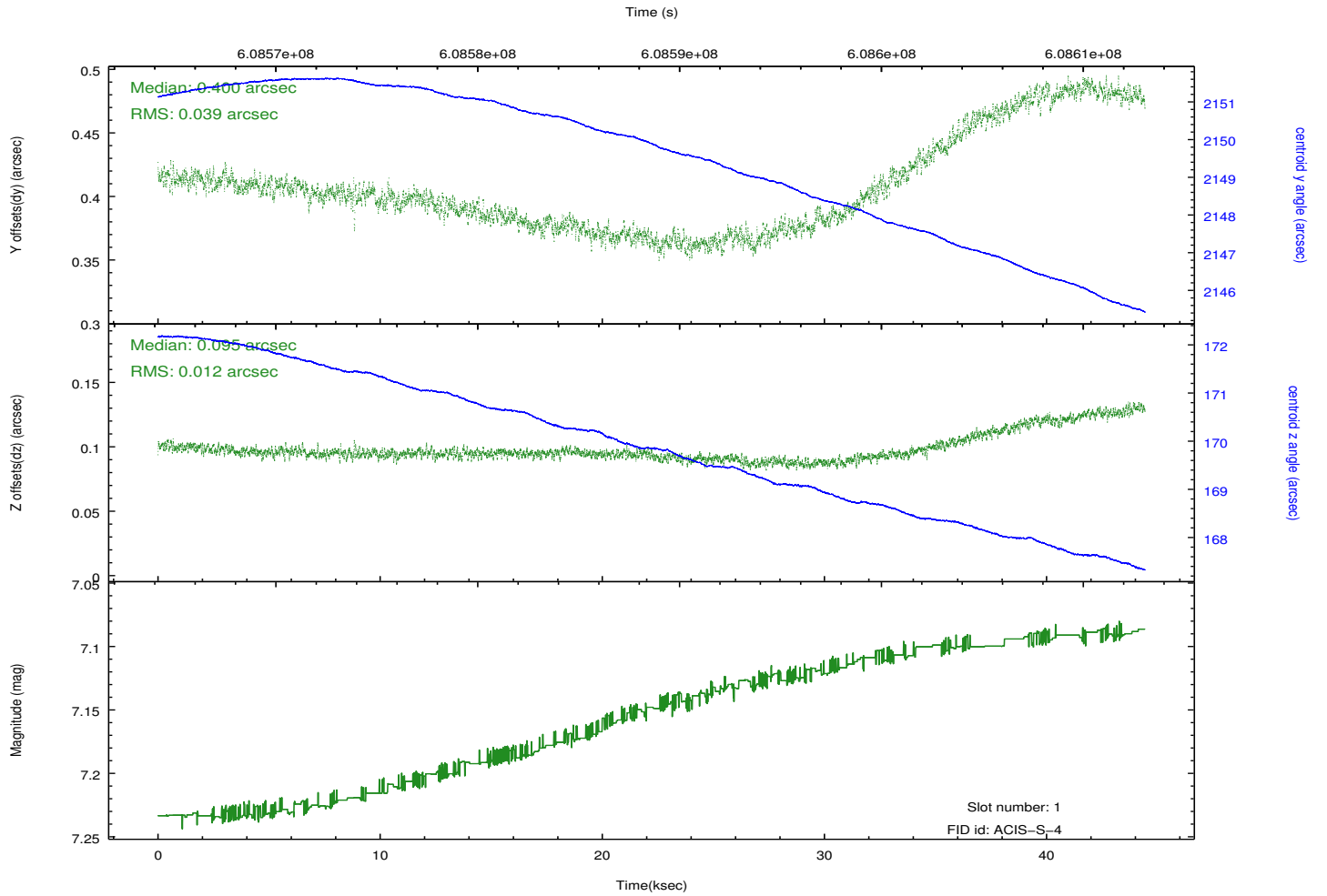
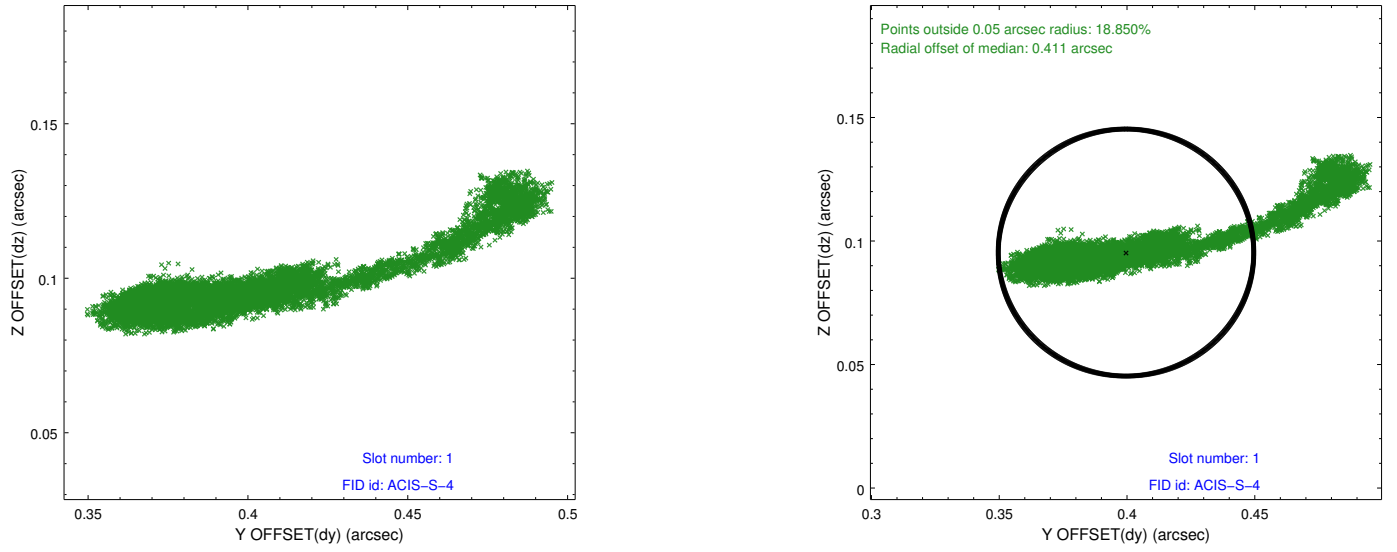


2.5 FID Slots

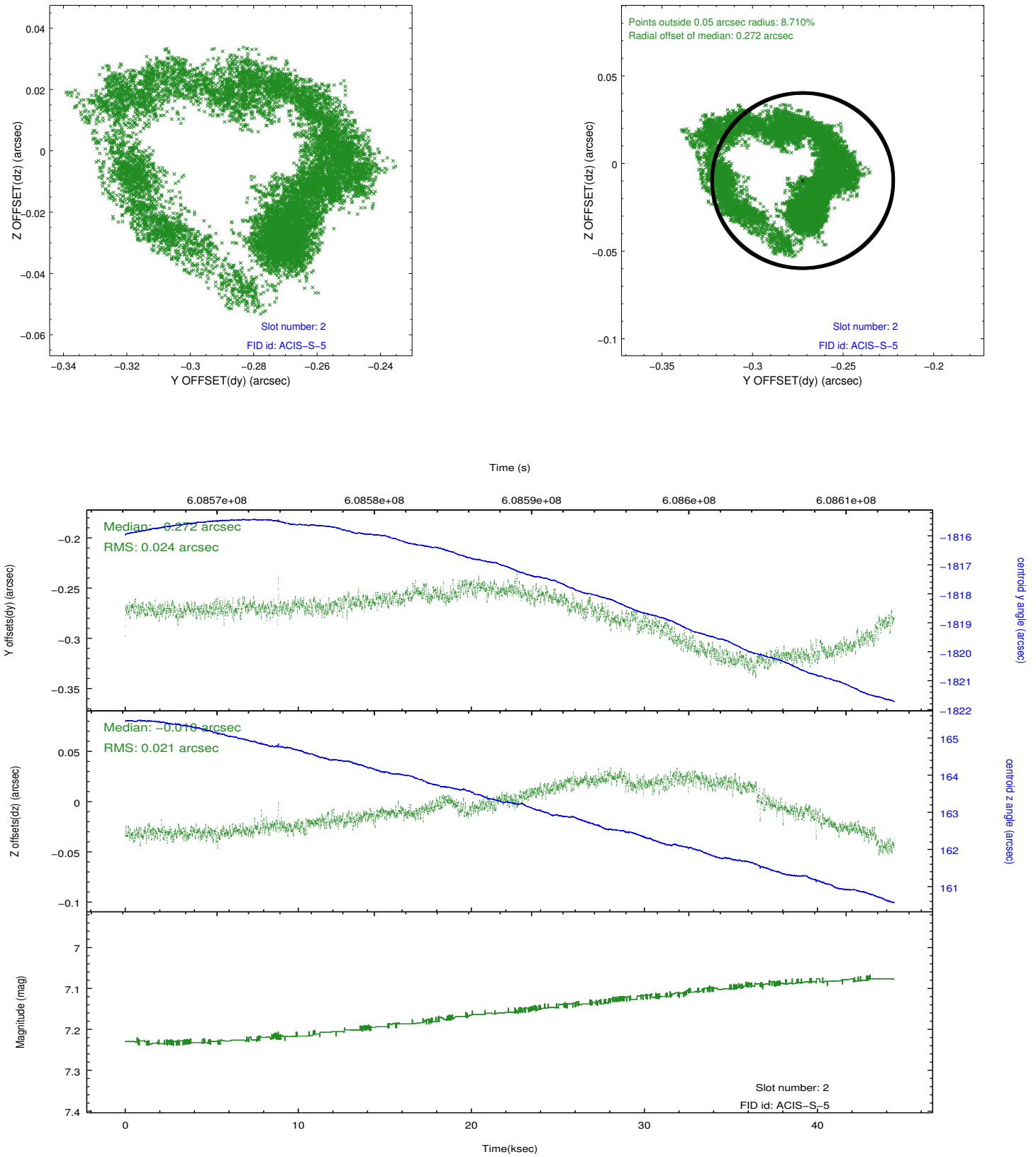
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2017.04.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	44.367200341344

A.2 Comments

Joint proposal with HST.