

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19363 - L2 Version 1
Chandra X-Ray Center

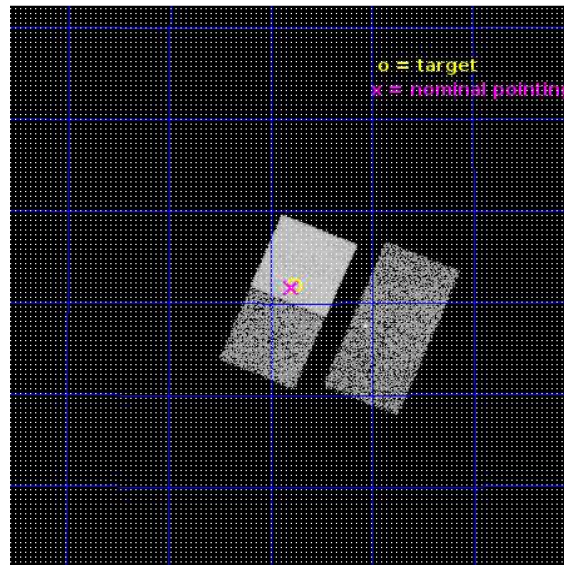
L2 Processing Date : Aug 11 2017

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1 Front

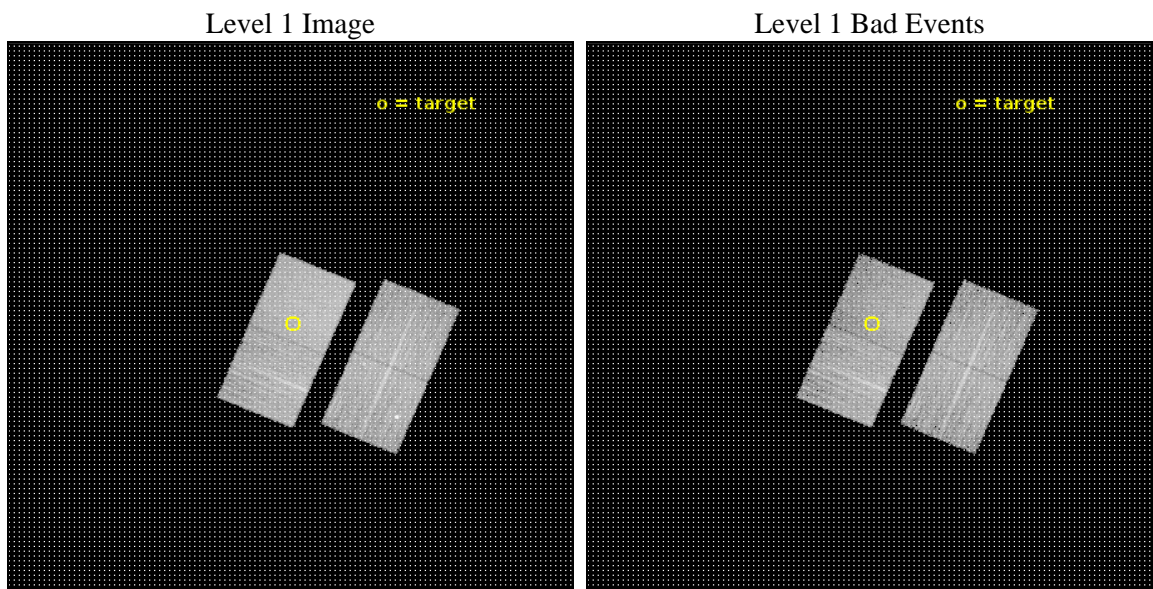
seq_num	601320	Sequence number
obs_id	19363	Observation id
title	A Statistically Complete High Resolution Chandra and Radio (eMERLIN) Survey of the Palomar Nearby Galaxies Sample	Proposal title
observer	Ian McHardy	Principal investigator
object	NGC 4460	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	187.19	Observer's specified target RA [deg]
dec_targ	44.86425	Observer's specified target Dec [deg]
ra_nom	187.19852747615	Nominal RA [deg]
dec_nom	44.861832832066	Nominal Dec [deg]
roll_nom	292.79215160565	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10214.500078678	Sum of GTIs [s]
livetime	10081.040115345	Livetime [s]
ontime2	10214.500078678	Sum of GTIs [s]
ontime3	10214.500078678	Sum of GTIs [s]
ontime6	10214.500078678	Sum of GTIs [s]
ontime7	10214.500078678	Sum of GTIs [s]
l2events	59095	Number of level 2 events



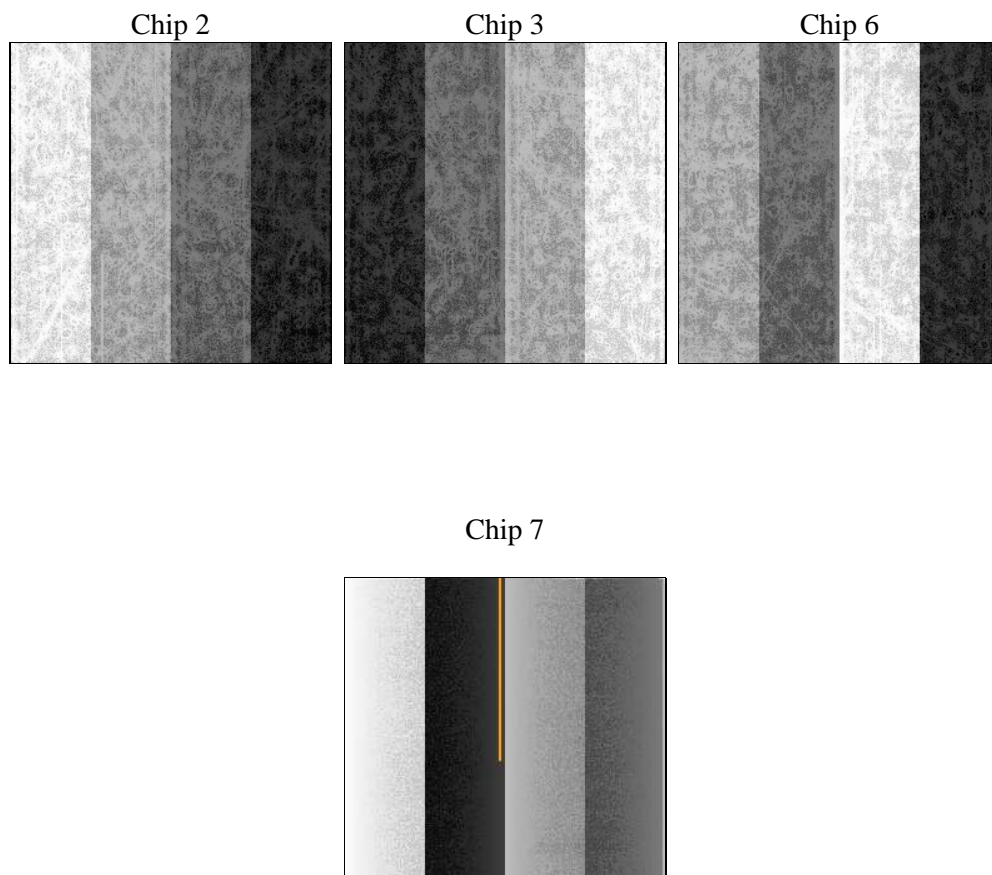
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10150.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	10214.500078678	Sum of GTIs [s]
caldsver	4.7.5	 	ontime2	10214.500078678	Sum of GTIs [s]
date	2017-08-11T23:03:55	Date and time of file creation	ontime3	10214.500078678	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	10214.500078678	Sum of GTIs [s]
			ontime7	10214.500078678	Sum of GTIs [s]
			l1events	318871	Number of level 1 events

2.1.4 Events

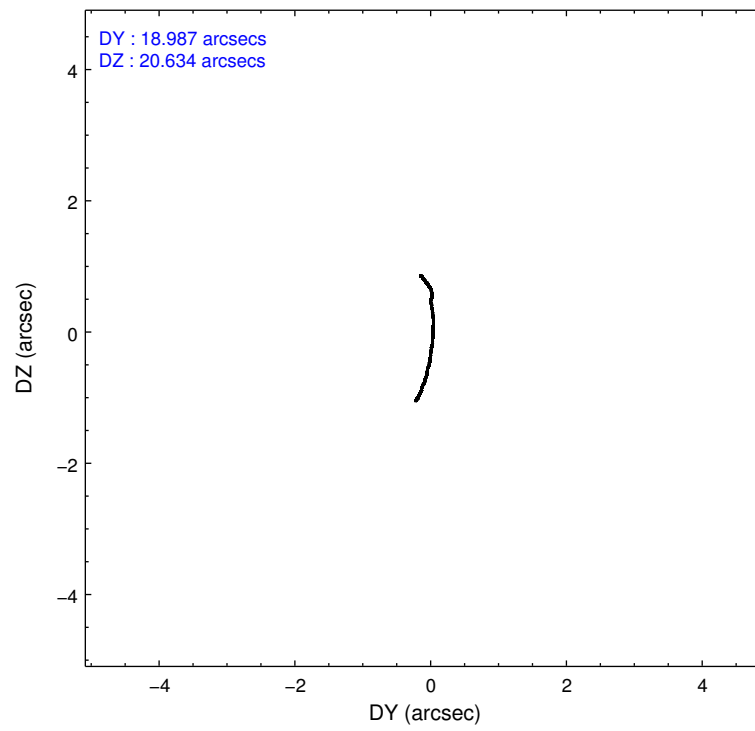
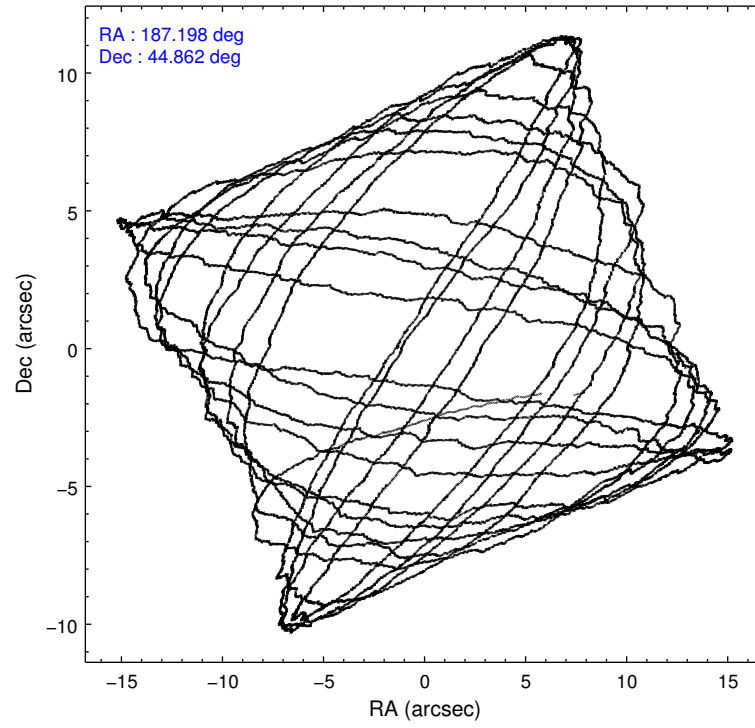
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	77251	70700	78376	92544
rejected events	67935	63479	70104	52531
rejected %	87%	89%	89%	56%

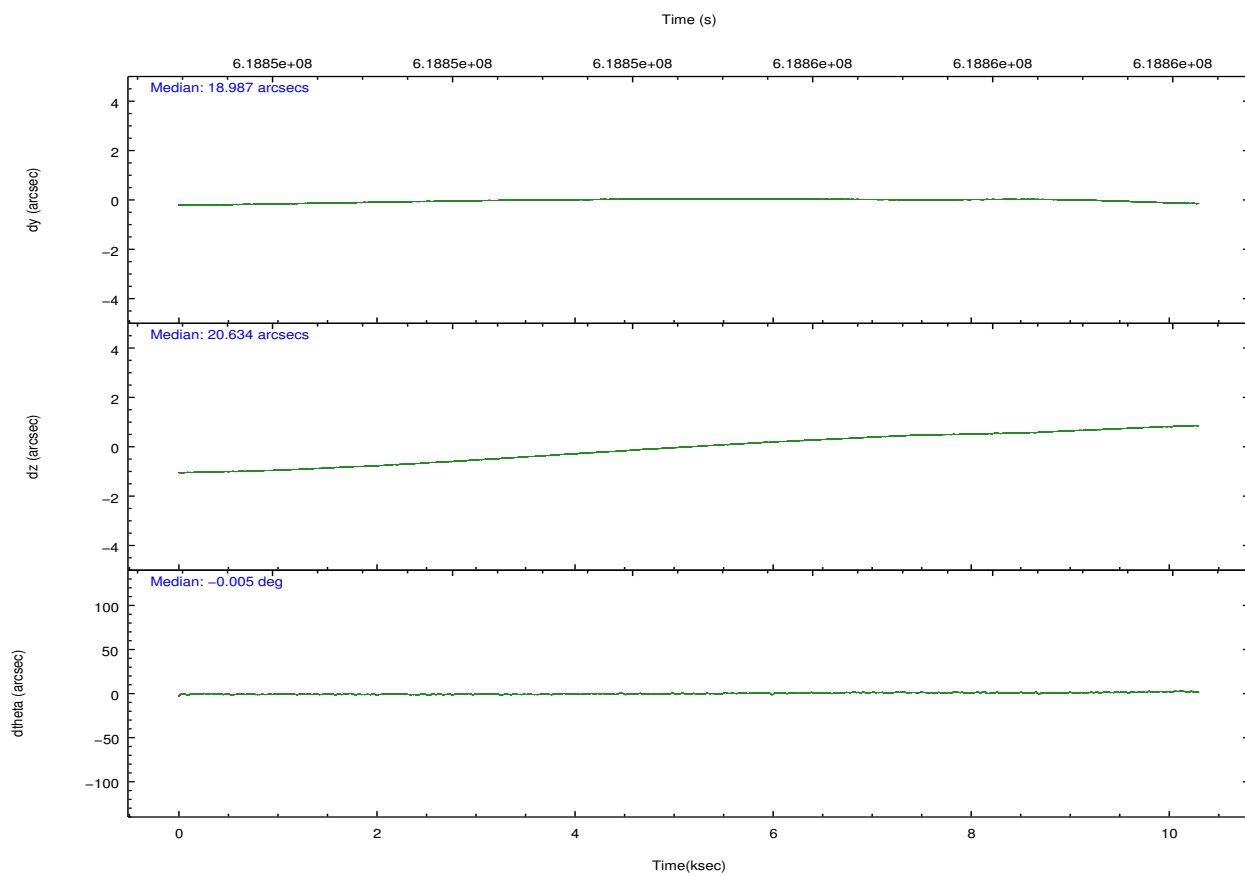
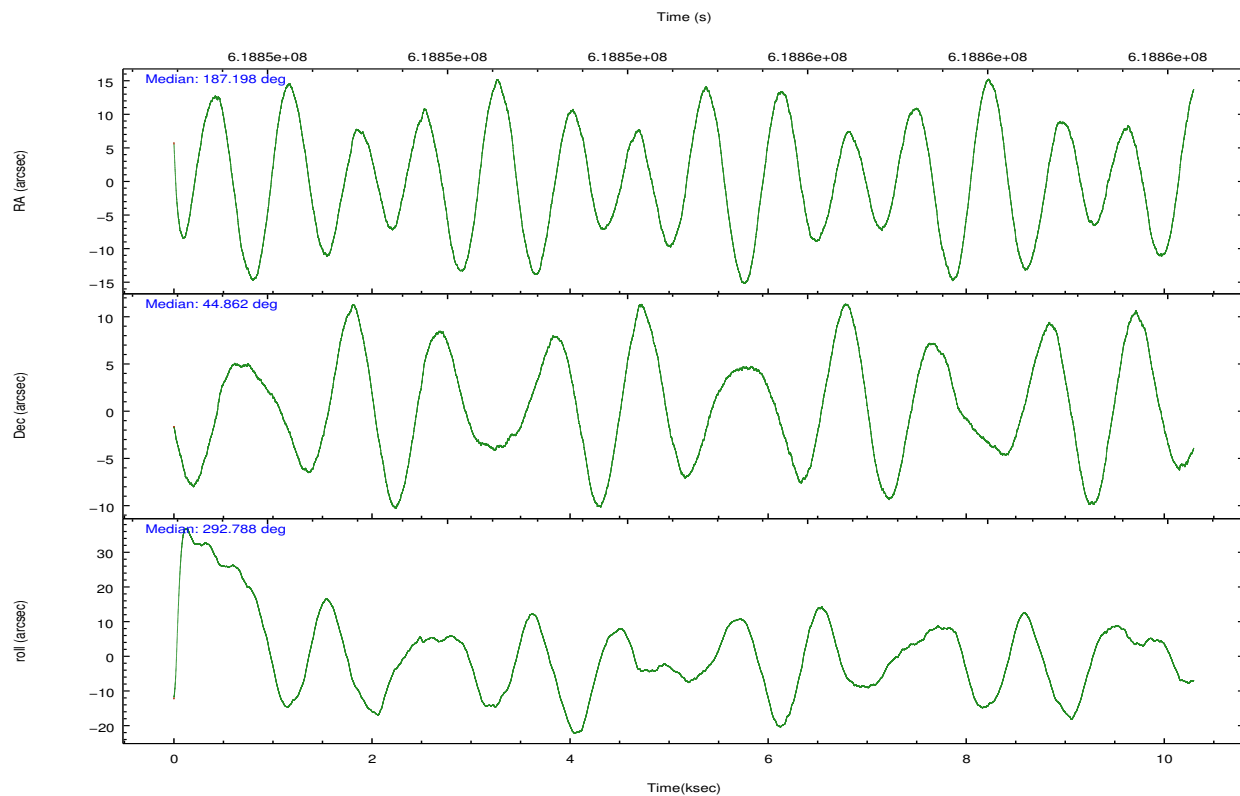
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	4434	2496	2653	3431
	5%	3%	3%	3%
grade 1 events	59	29	30	108
	0%	0%	0%	0%
grade 2 events	1844	1550	2058	8186
	2%	2%	2%	8%
grade 3 events	741	812	775	3162
	0%	1%	0%	3%
grade 4 events	751	774	722	3127
	0%	1%	0%	3%
grade 5 events	2694	3264	3161	9112
	3%	4%	4%	9%
grade 6 events	1557	1593	2075	22130
	2%	2%	2%	23%
grade 7 events	65171	60182	66902	43288
	84%	85%	85%	46%

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	187.167383	187.1985274761466	Subarray requested	NONE	NONE
[deg] Pointing Dec	44.878186	44.86183283206557	Alternating exposures requested	N	N
[deg] Pointing Roll	292.657562	292.7921516056496	[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)	618849593.184000	618848337.29347			
Observation start date	2017-08-11T14:38:44	2017-08-11T14:18:57			
[s] Observation end time (MET)	618859743.184000	618860854.5942			
Observation end date	2017-08-11T17:27:54	2017-08-11T17:47:34			
Read mode	TIMED	TIMED			

2.3 Aspect



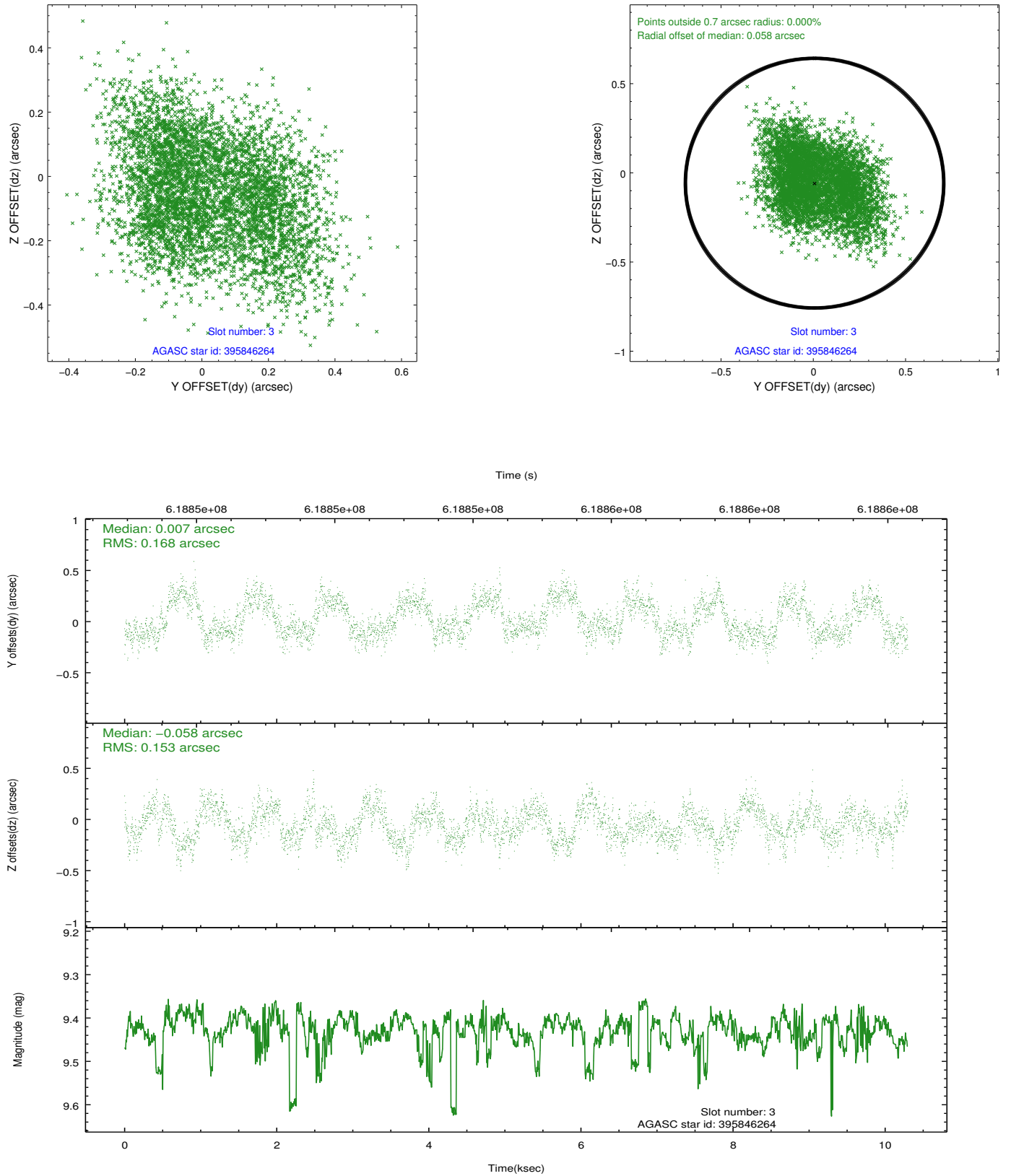


Slot Statistics

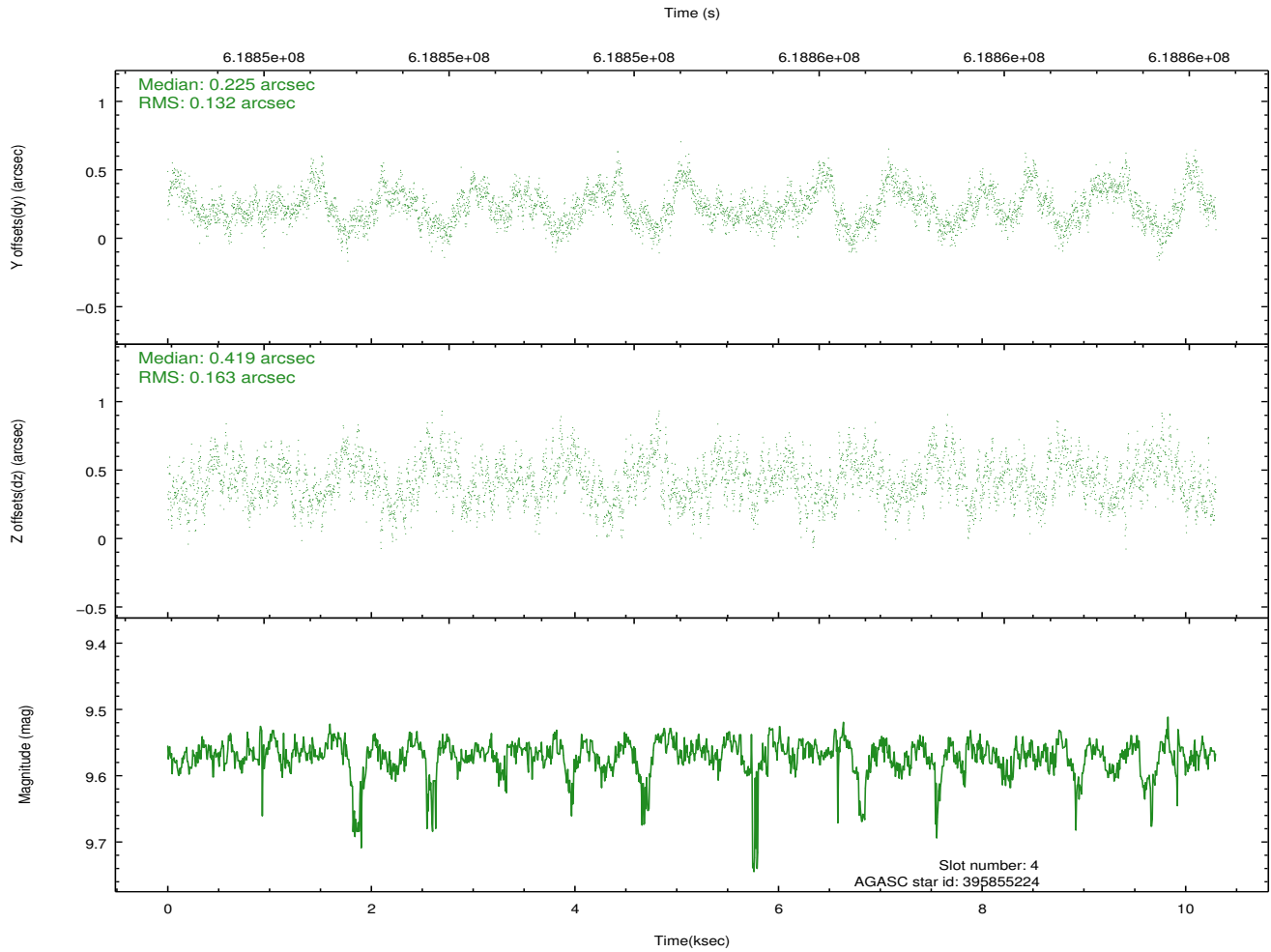
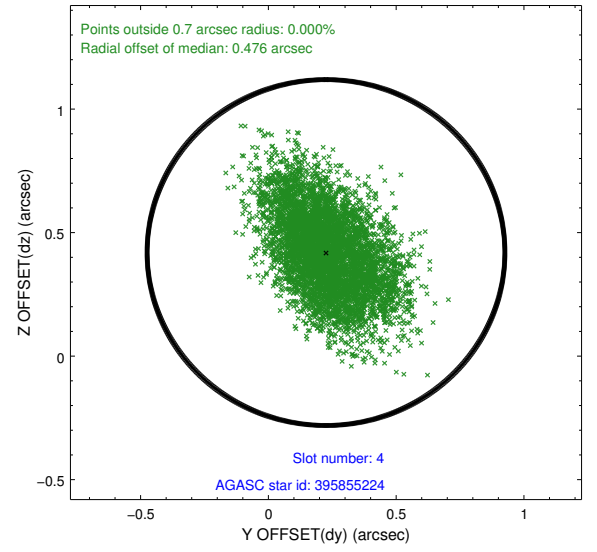
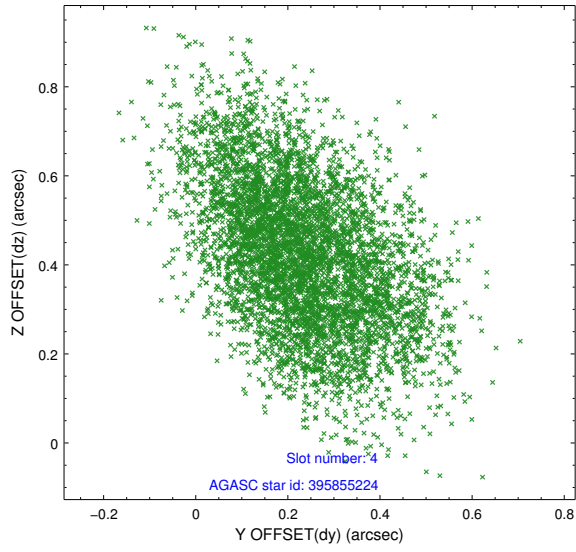
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.13	2512	-0.247	-0.142	0.013	0.019	0.000000	0.000000	-772.25	-1742.20
1	FID		ACIS-S-4	7.25	2512	0.563	0.157	0.012	0.028	0.000000	0.000000	2141.57	166.10
2	FID		ACIS-S-5	7.24	2512	-0.342	-0.007	0.016	0.023	0.000000	0.000000	-1824.56	160.12
3	GUIDE	used	395846264	9.43	5017	0.007	-0.058	0.242	0.383	187.191241	44.211279	2239.48	-867.67
4	GUIDE	used	395855224	9.57	5016	0.225	0.419	0.222	0.362	186.279112	44.799118	-621.96	-2198.28
5	GUIDE	used	452986240	9.23	5020	-0.016	0.318	0.191	0.302	187.072166	45.129064	-928.30	125.02
6	GUIDE	used	452986368	7.98	5023	-0.100	-0.247	0.193	0.304	187.910054	45.225618	-437.18	2222.46
7	GUIDE	used	395853104	10.00	5012	-0.172	-0.434	0.231	0.377	188.205319	44.778152	1338.22	2315.38

2.4 Star Slots

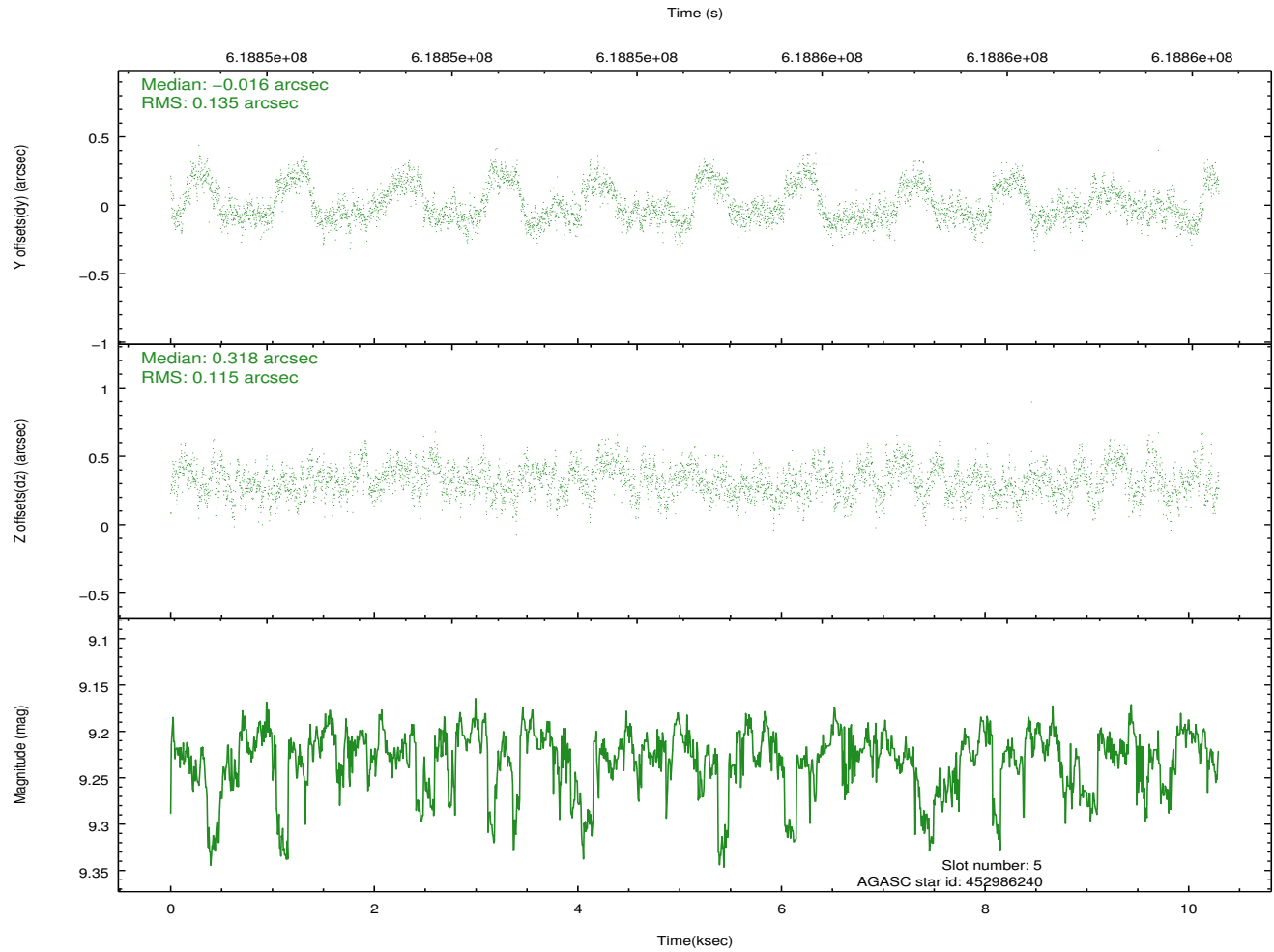
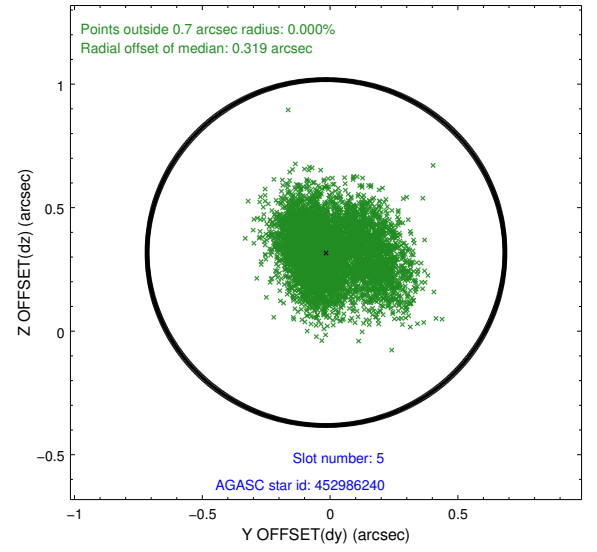
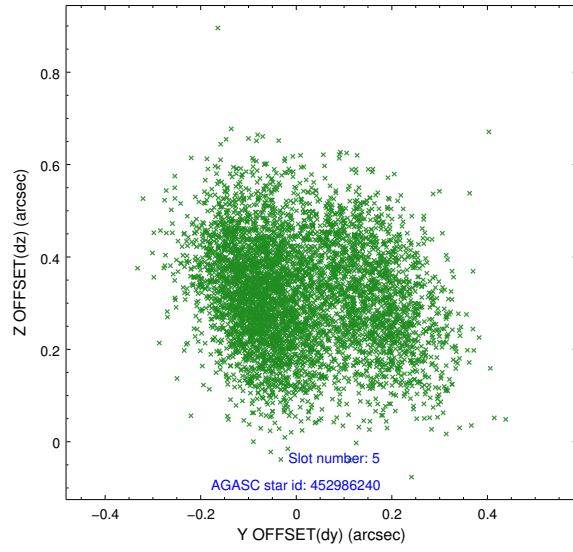
2.4.1 Slot 3



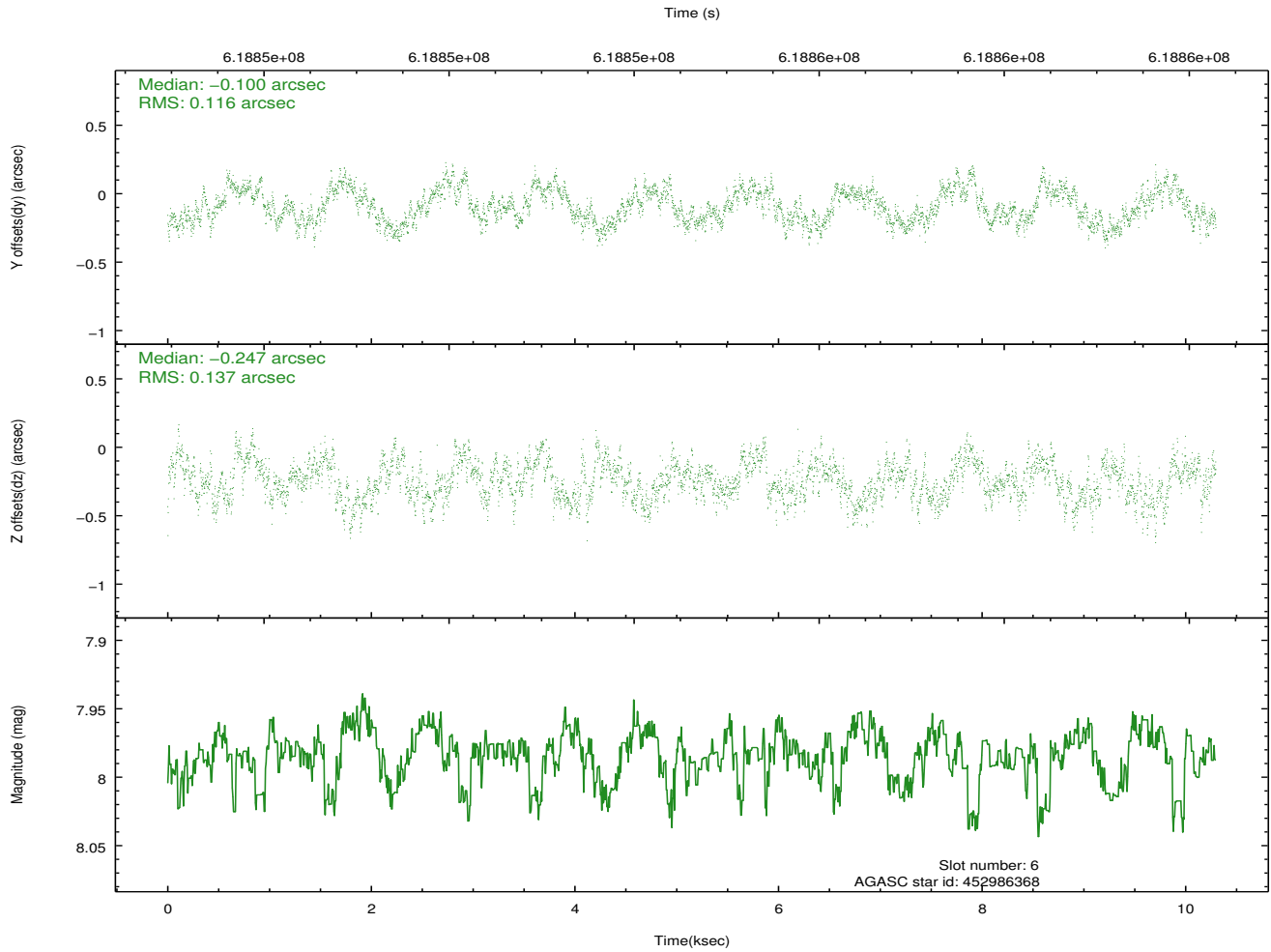
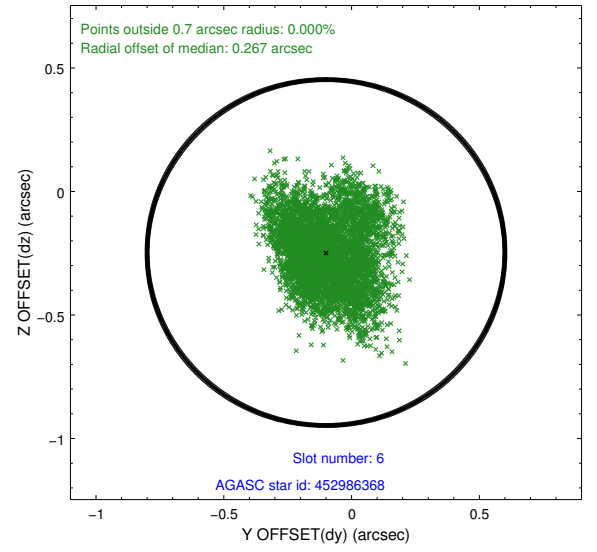
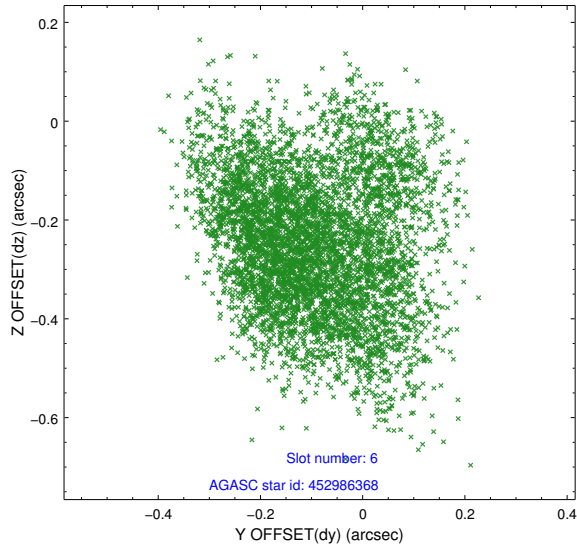
2.4.2 Slot 4



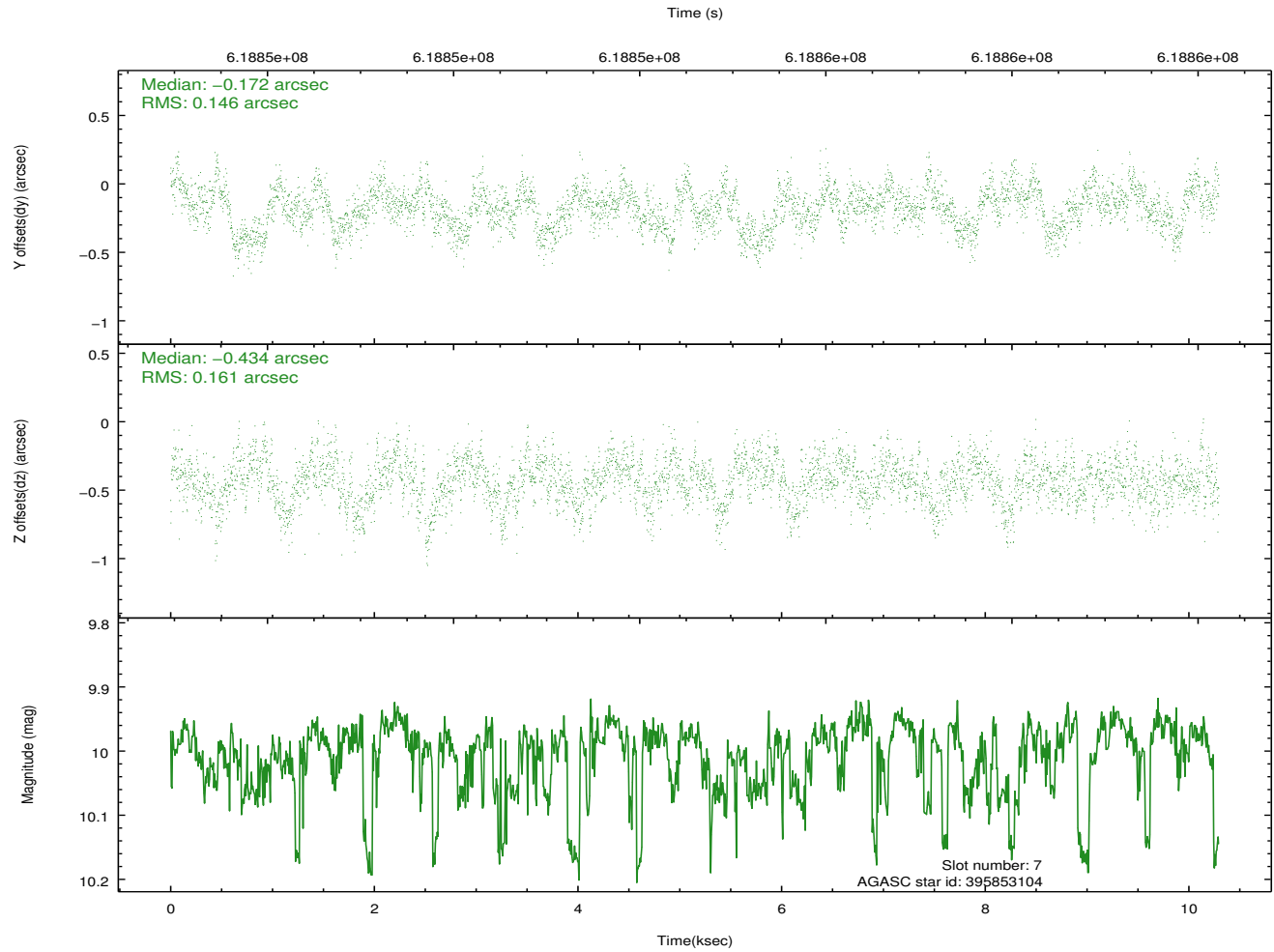
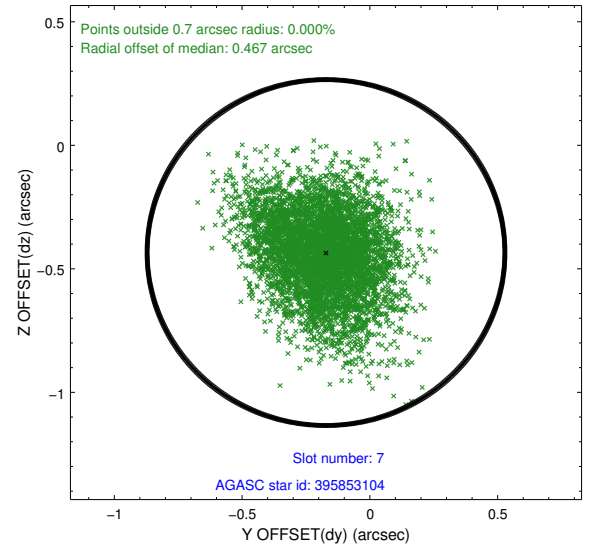
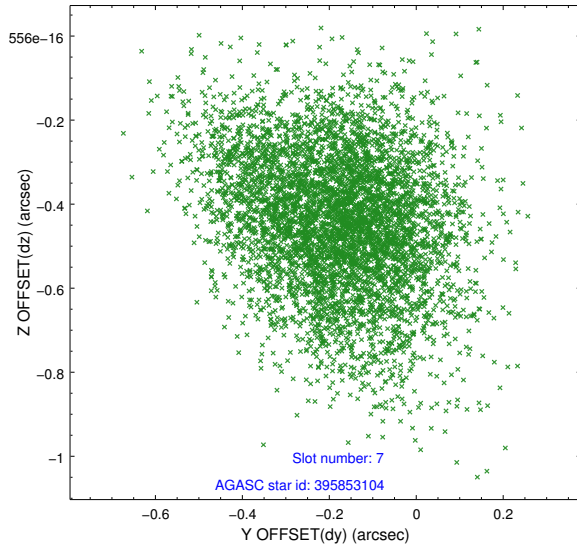
2.4.3 Slot 5



2.4.4 Slot 6

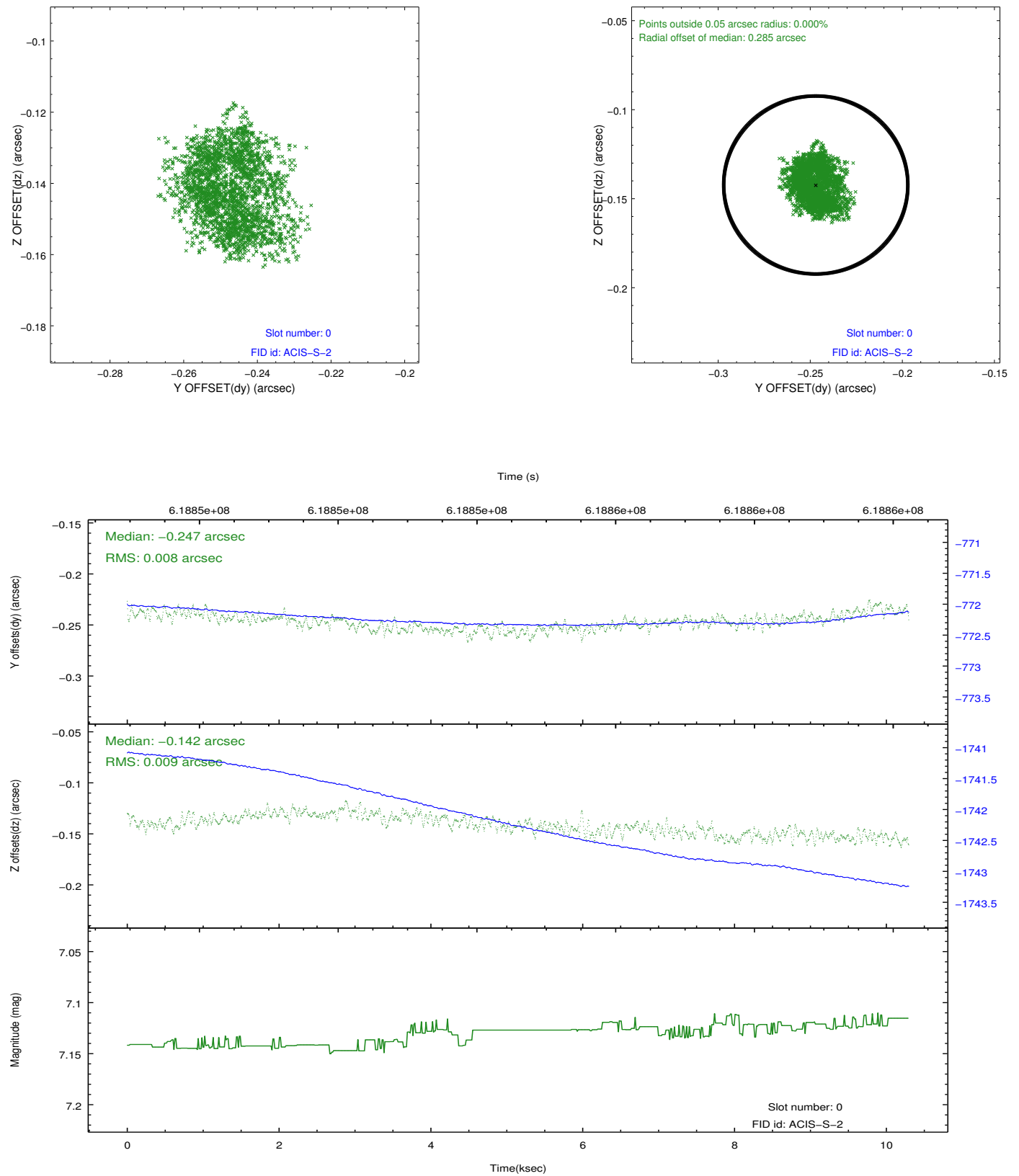


2.4.5 Slot 7

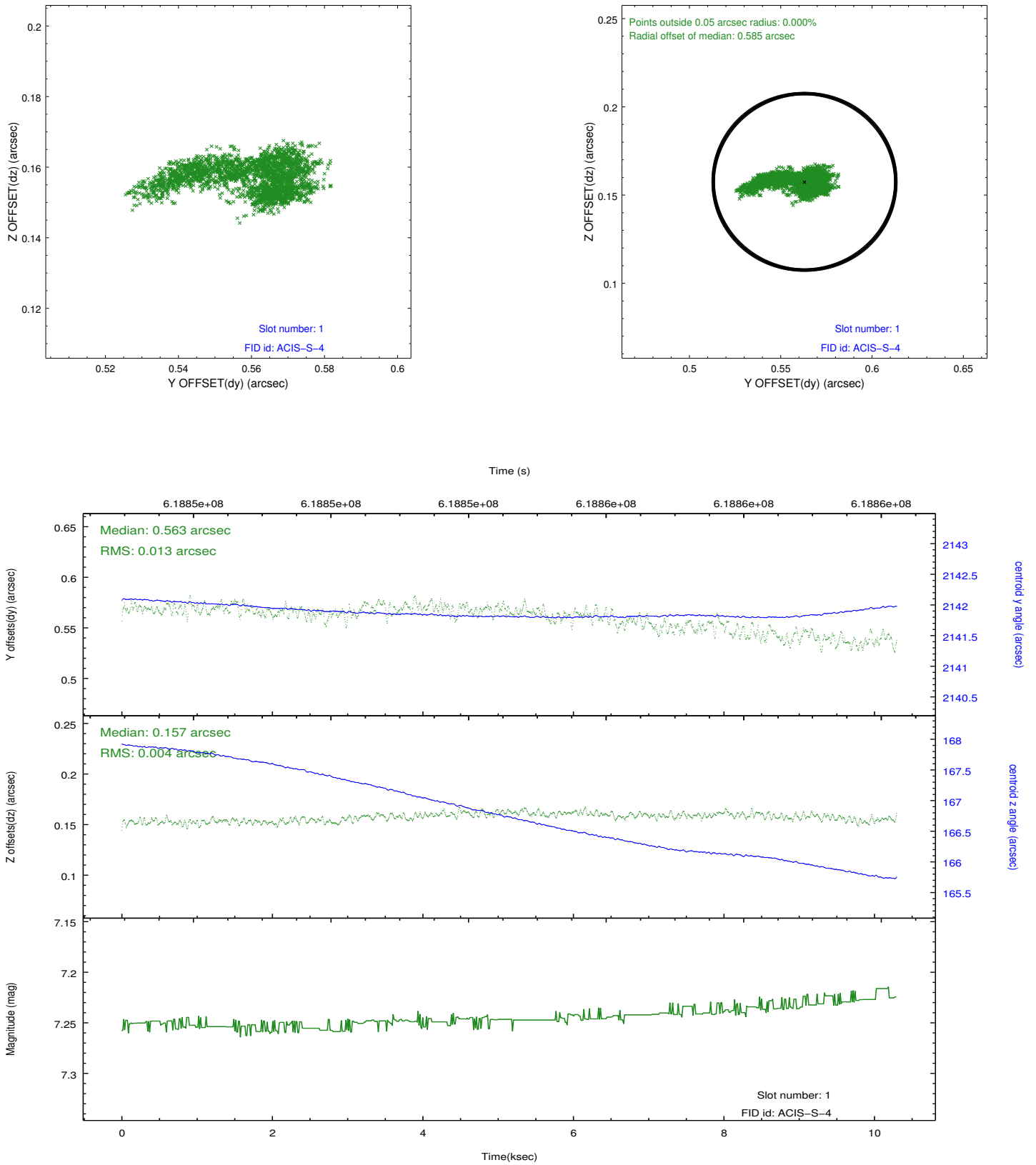


2.5 FID Slots

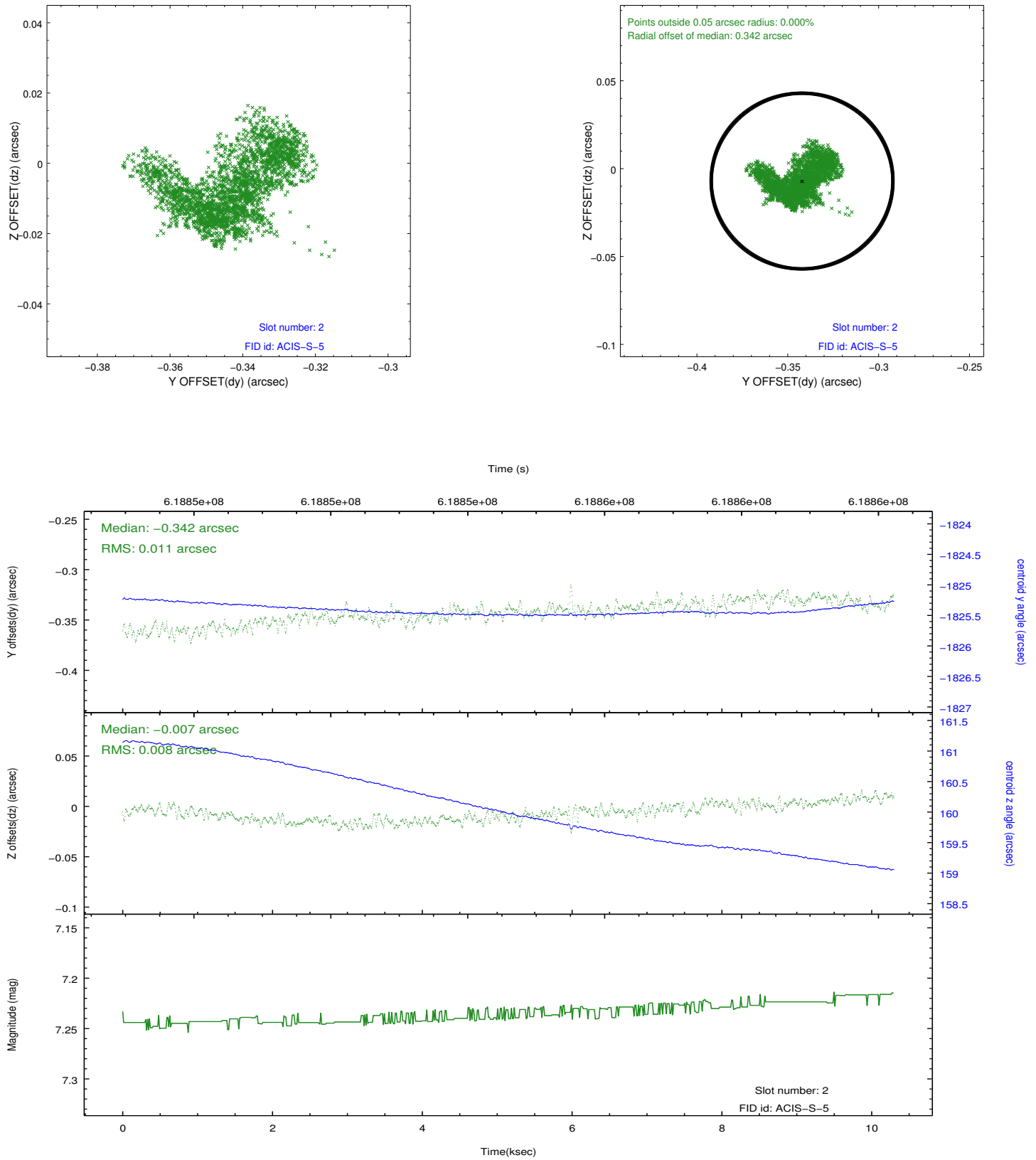
2.5.1 Slot 0



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)	2017.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.214500078678

A.2 Comments