

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18214 - L2 Version 1
Chandra X-Ray Center

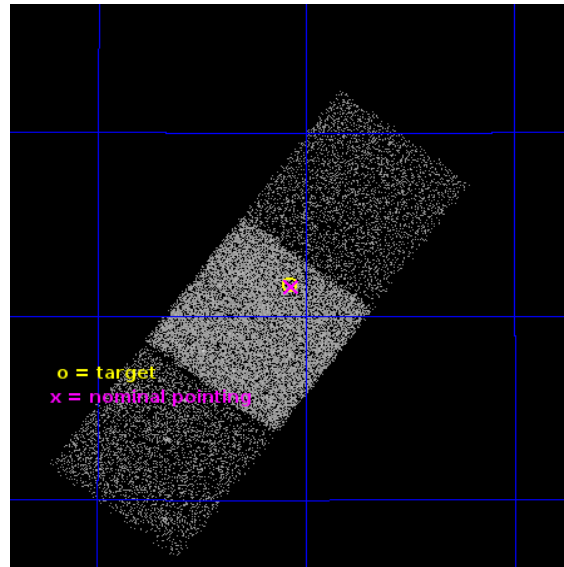
L2 Processing Date : Feb 6 2016

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1 Front

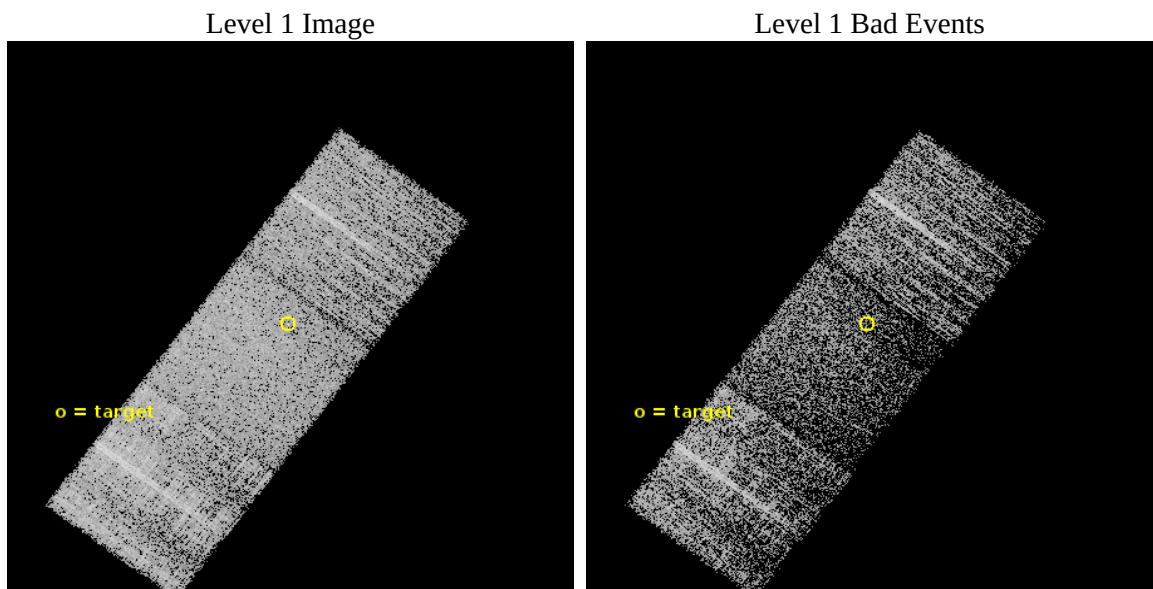
seq_num	703275	Sequence number
obs_id	18214	Observation id
title	Constraining X-ray Absorption in Emergent BAL Quasars	Proposal tit
observer	Dr. Paola Rodriguez Hidalgo	Principal investigator
object	SDSSJ112104.93+432141.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	170.270417	Observer's specified target RA [deg]
dec_targ	43.361556	Observer's specified target Dec [deg]
ra_nom	170.26770160082	Nominal RA [deg]
dec_nom	43.36025862133	Nominal Dec [deg]
roll_nom	126.69381038157	Nominal Roll [deg]
revision	1	Processing version of data
ontime	8074.1910797358	Sum of GTIs [s]
livetime	7968.695829146	Livetime [s]
ontime6	8074.1500397921	Sum of GTIs [s]
ontime7	8074.1910797358	Sum of GTIs [s]
ontime8	8074.1089997292	Sum of GTIs [s]
l2events	30963	Number of level 2 events



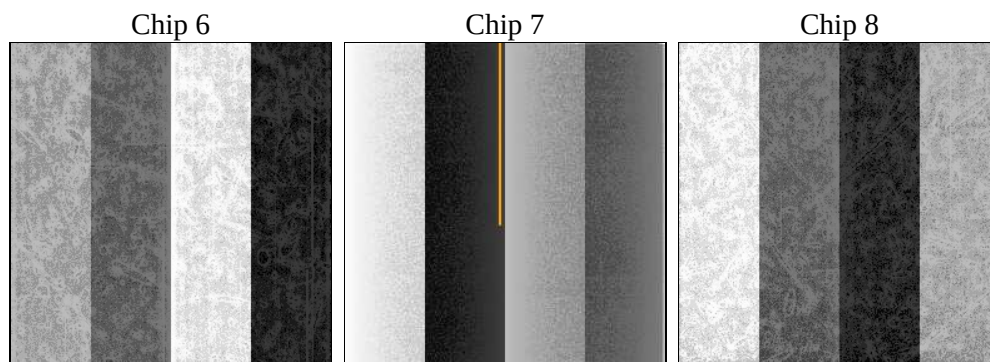
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	8074.1910797358	Sum of GTIs [s]
caldsver	4.7.0	 	ontime6	8074.1500397921	Sum of GTIs [s]
date	2016-02-06T19:37:28	Date and time of file creation	ontime7	8074.1910797358	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	8074.1089997292	Sum of GTIs [s]
			l1events	150392	Number of level 1 events

2.1.4 Events

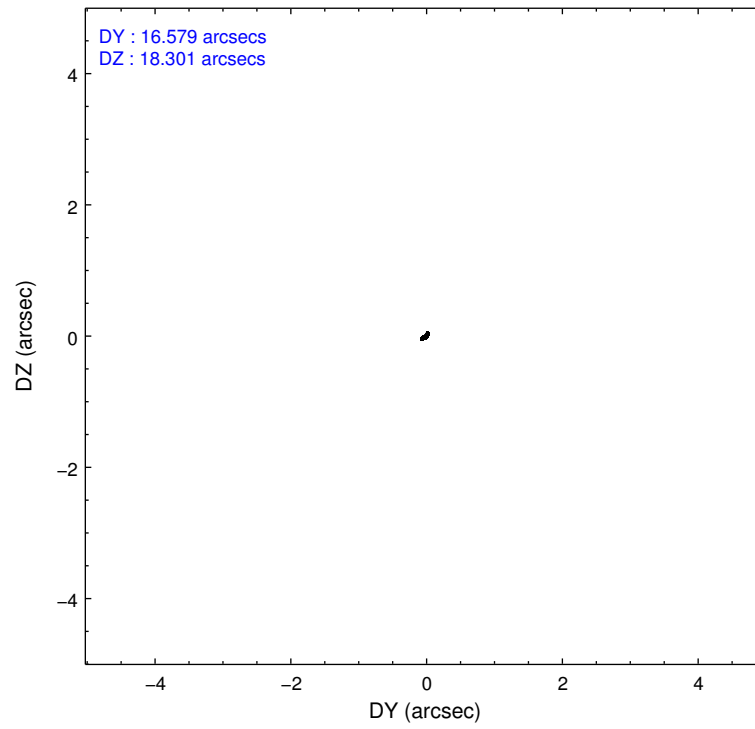
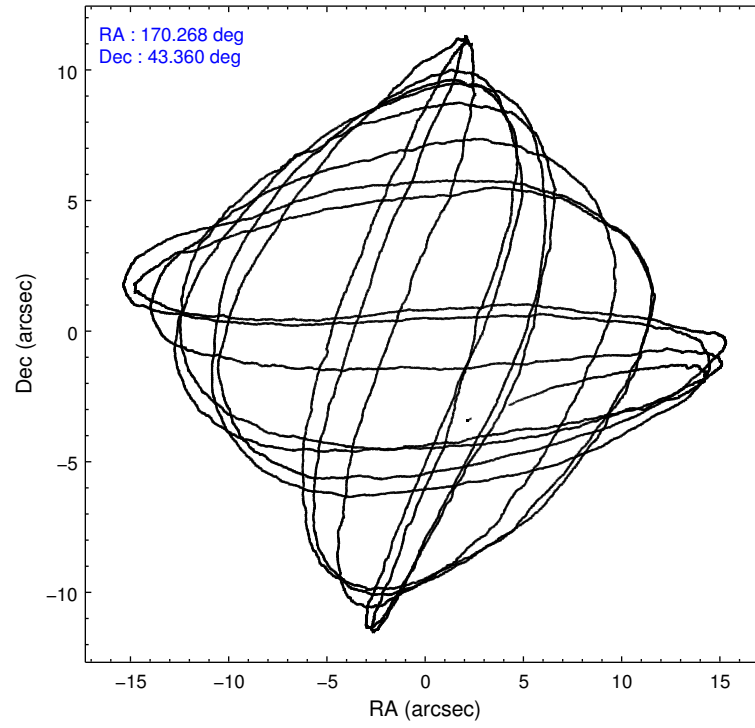
	ccd 6	ccd 7	ccd 8
level 1 events	44014	49344	57034
rejected events	39299	26484	41775
rejected %	89%	53%	73%

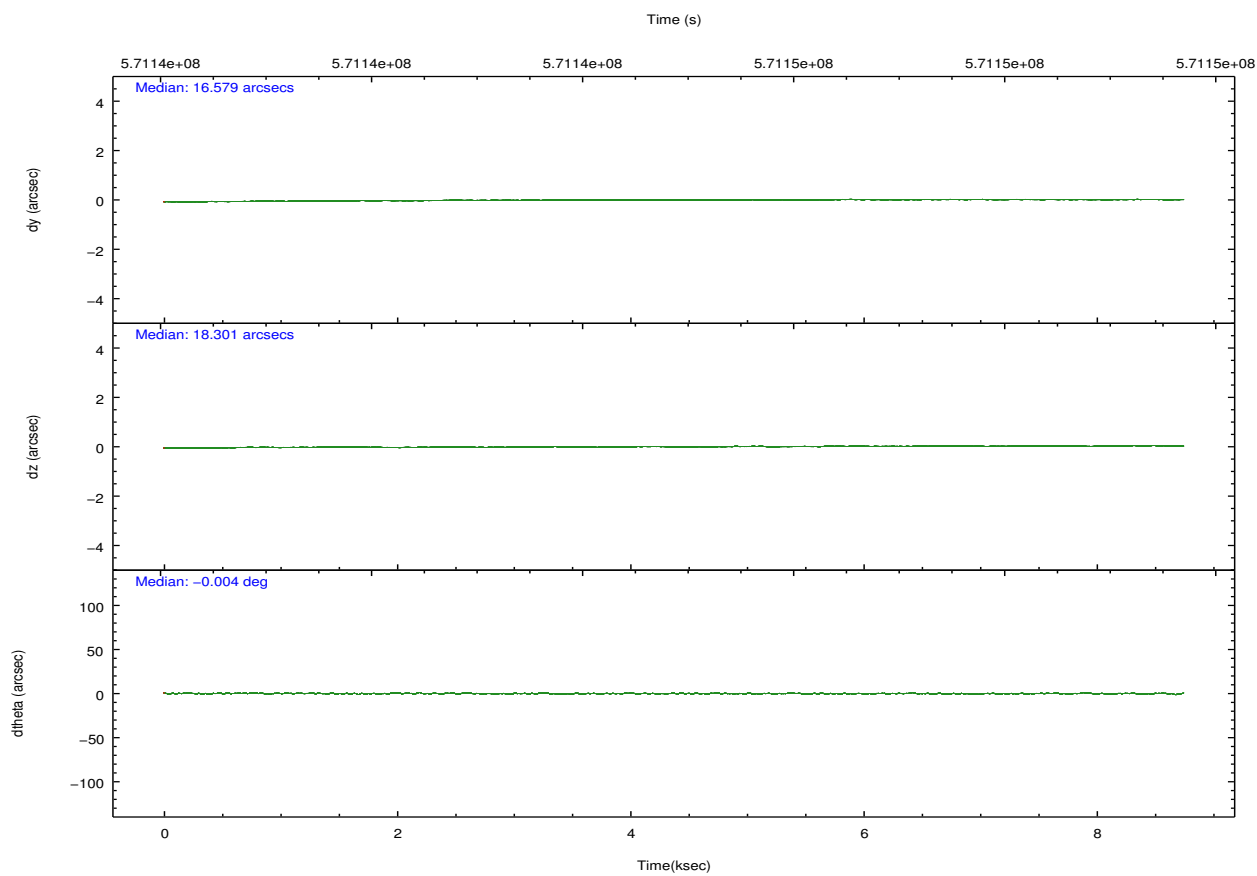
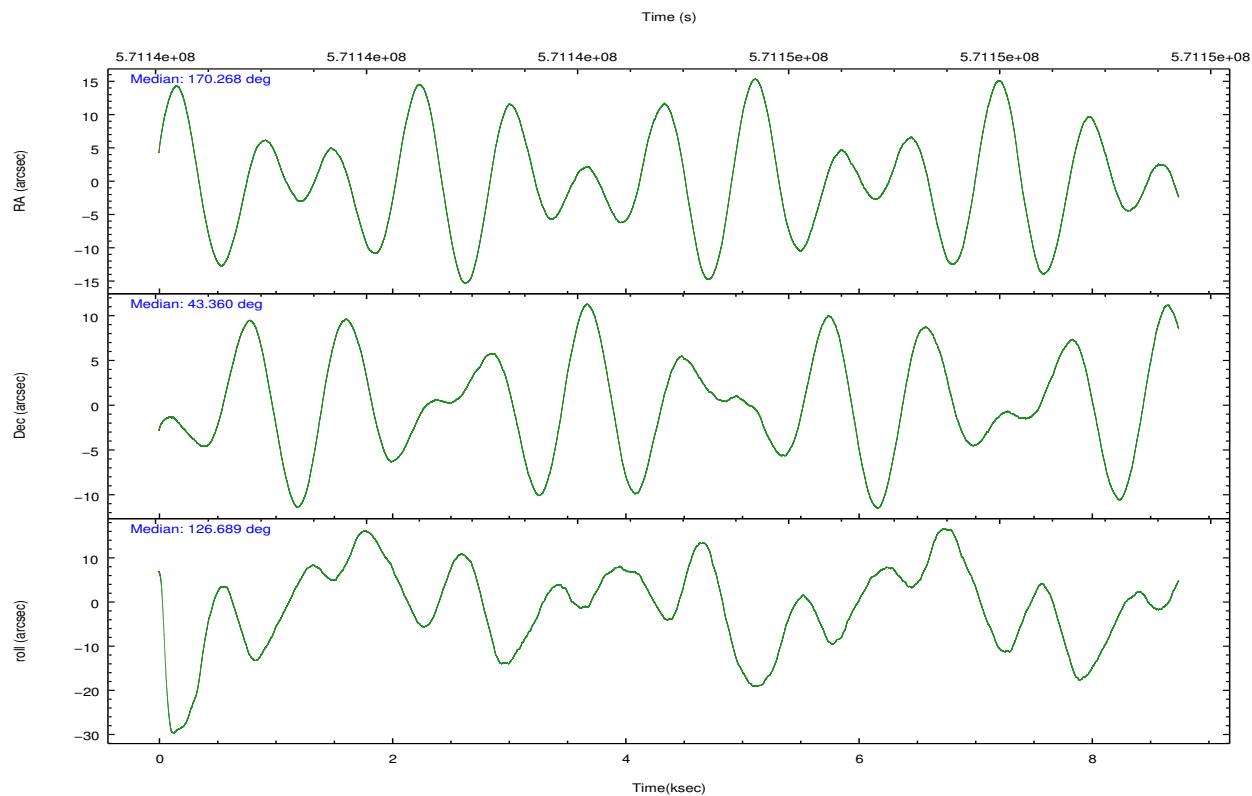
	ccd 6	ccd 7	ccd 8
grade 0 events	1512	2106	4168
	3%	4%	7%
grade 1 events	15	63	54
	0%	0%	0%
grade 2 events	1158	5032	3814
	2%	10%	6%
grade 3 events	455	1821	1614
	1%	3%	2%
grade 4 events	451	1764	1496
	1%	3%	2%
grade 5 events	1810	4911	2987
	4%	9%	5%
grade 6 events	1143	12145	4172
	2%	24%	7%
grade 7 events	37470	21502	38729
	85%	43%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	170.302494	170.2677016008248	Subarray requested	NONE	NONE
[deg] Pointing Dec	43.349730	43.36025862132997	Alternating exposures requested	N	N
[deg] Pointing Roll	126.513255	126.6938103815652	[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)	571141221.184000	571140120.63106			
Observation start date	2016-02-06T10:19:13	2016-02-06T10:02:00			
[s] Observation end time (MET)	571149221.184000	571150066.71913			
Observation end date	2016-02-06T12:32:33	2016-02-06T12:47:46			
Read mode	TIMED	TIMED			

2.3 Aspect



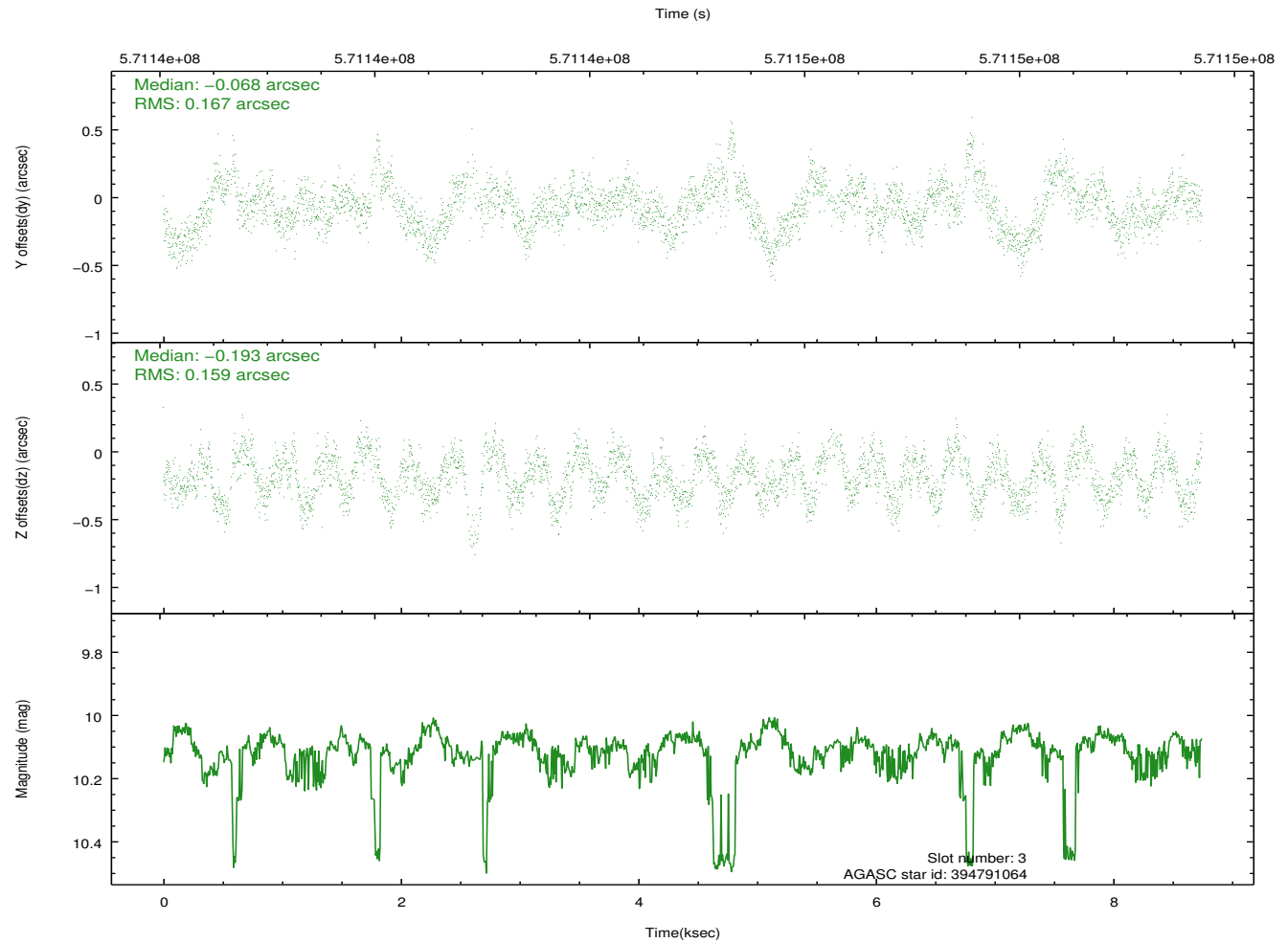
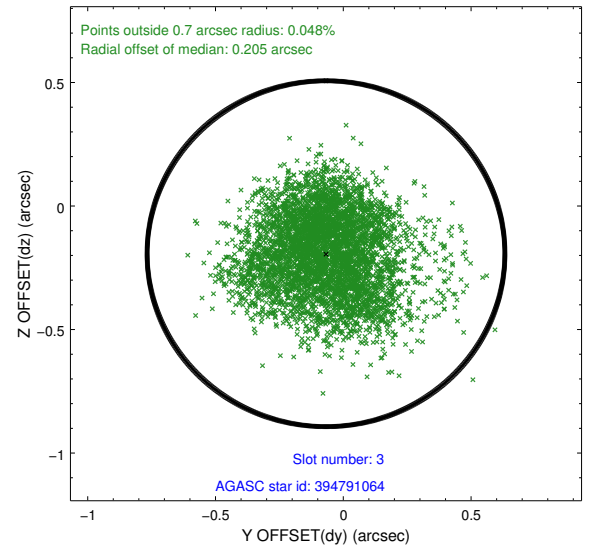
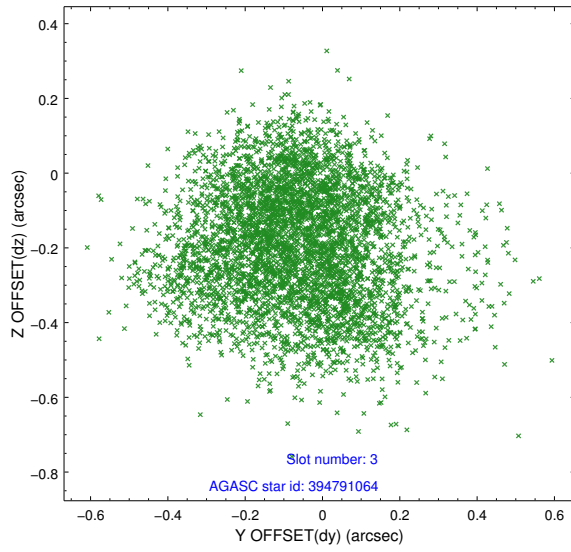


Slot Statistics

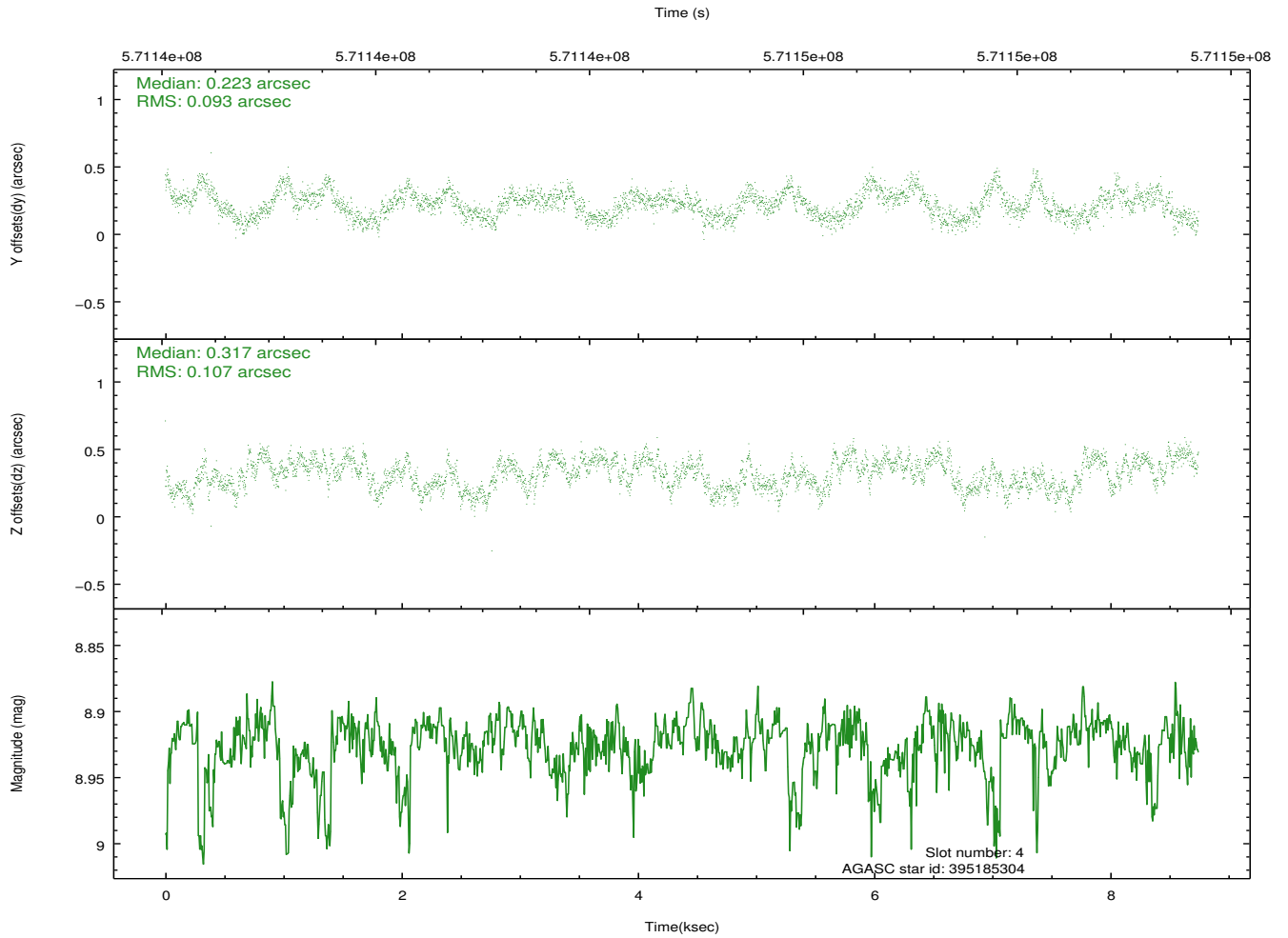
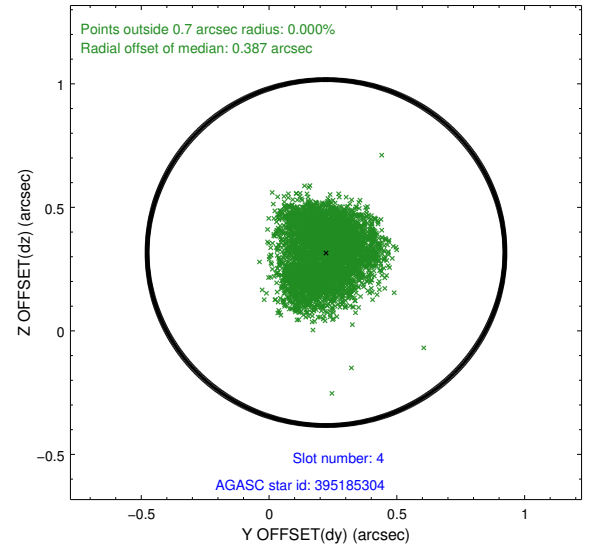
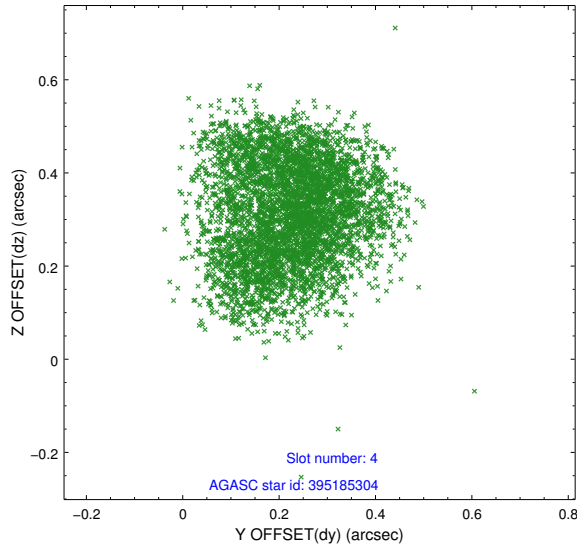
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.15	2134	-0.162	-0.159	0.007	0.011	0.000000	0.000000	-769.75	-1739.87
1	FID		ACIS-S-4	7.25	2134	0.435	0.121	0.005	0.009	0.000000	0.000000	2143.84	168.22
2	FID		ACIS-S-5	7.26	2133	-0.304	0.047	0.007	0.012	0.000000	0.000000	-1821.92	162.55
3	GUIDE	used	394791064	10.11	4134	-0.068	-0.193	0.248	0.384	169.847274	43.770049	1923.24	49.18
4	GUIDE	used	395185304	8.92	4265	0.223	0.317	0.156	0.230	170.919785	43.120762	-1621.37	-813.68
5	GUIDE	used	395185952	10.20	4260	-0.253	-0.430	0.372	0.594	170.136610	42.540715	-2079.62	2086.23
6	GUIDE	used	395186040	8.72	4264	0.228	0.438	0.130	0.203	171.276885	43.215973	-1895.81	-1775.84
7	GUIDE	used	394790544	9.81	4211	-0.112	-0.147	0.187	0.303	169.650924	43.839148	2427.55	307.89

2.4 Star Slots

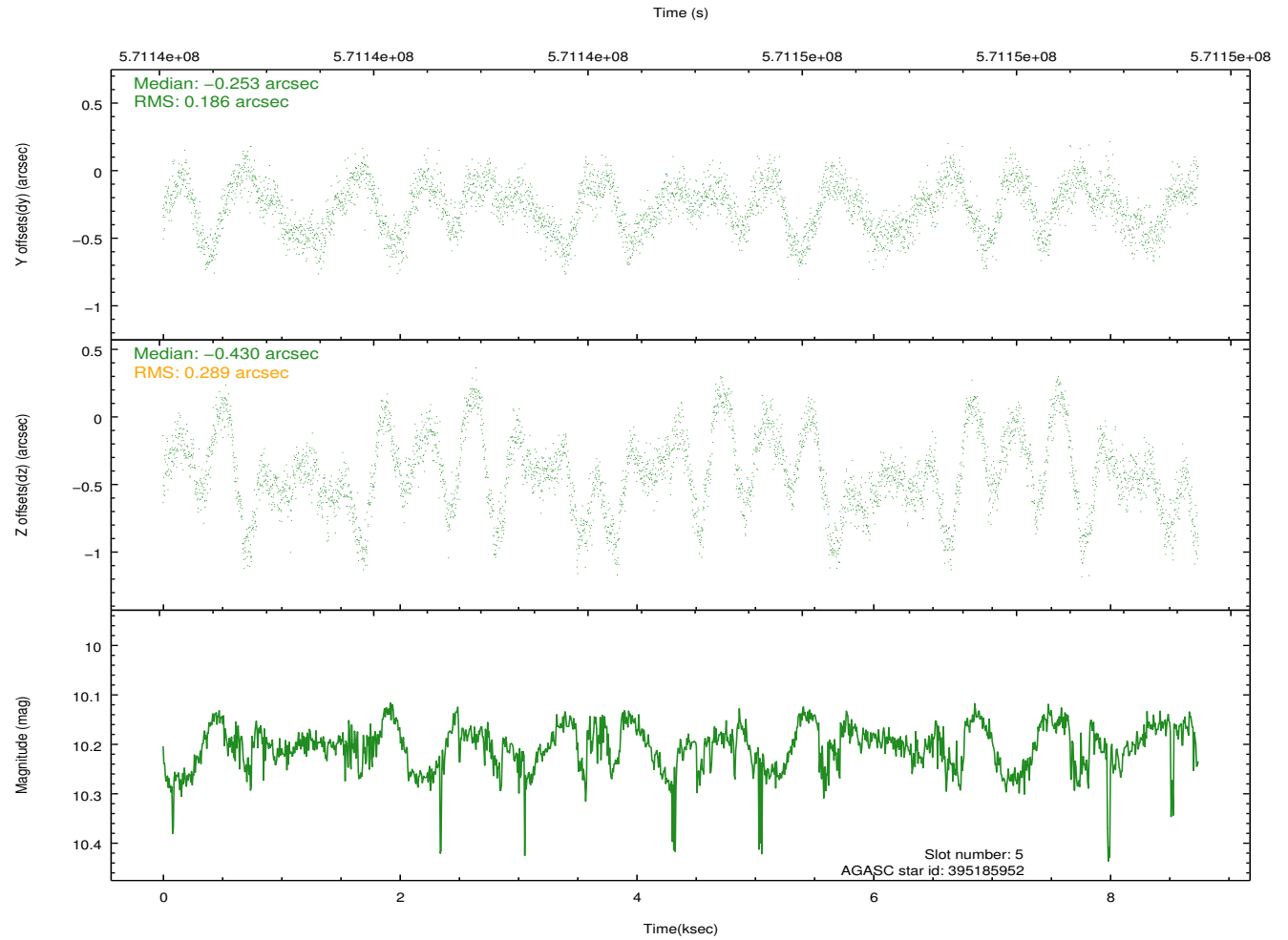
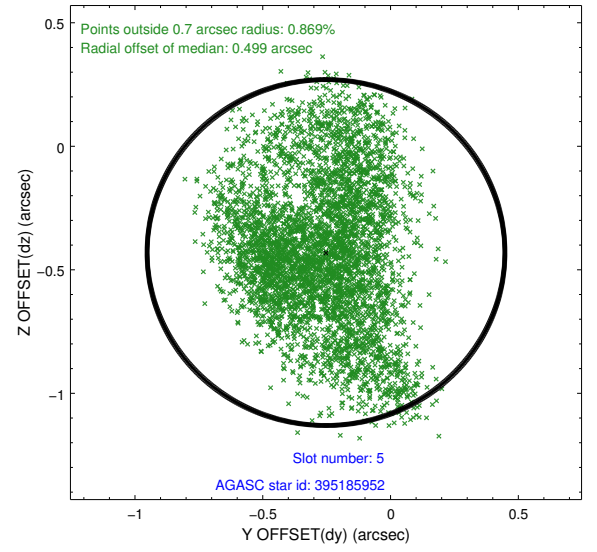
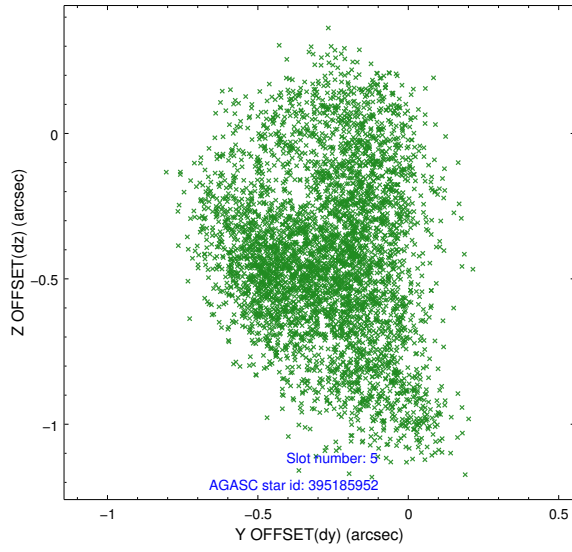
2.4.1 Slot 3



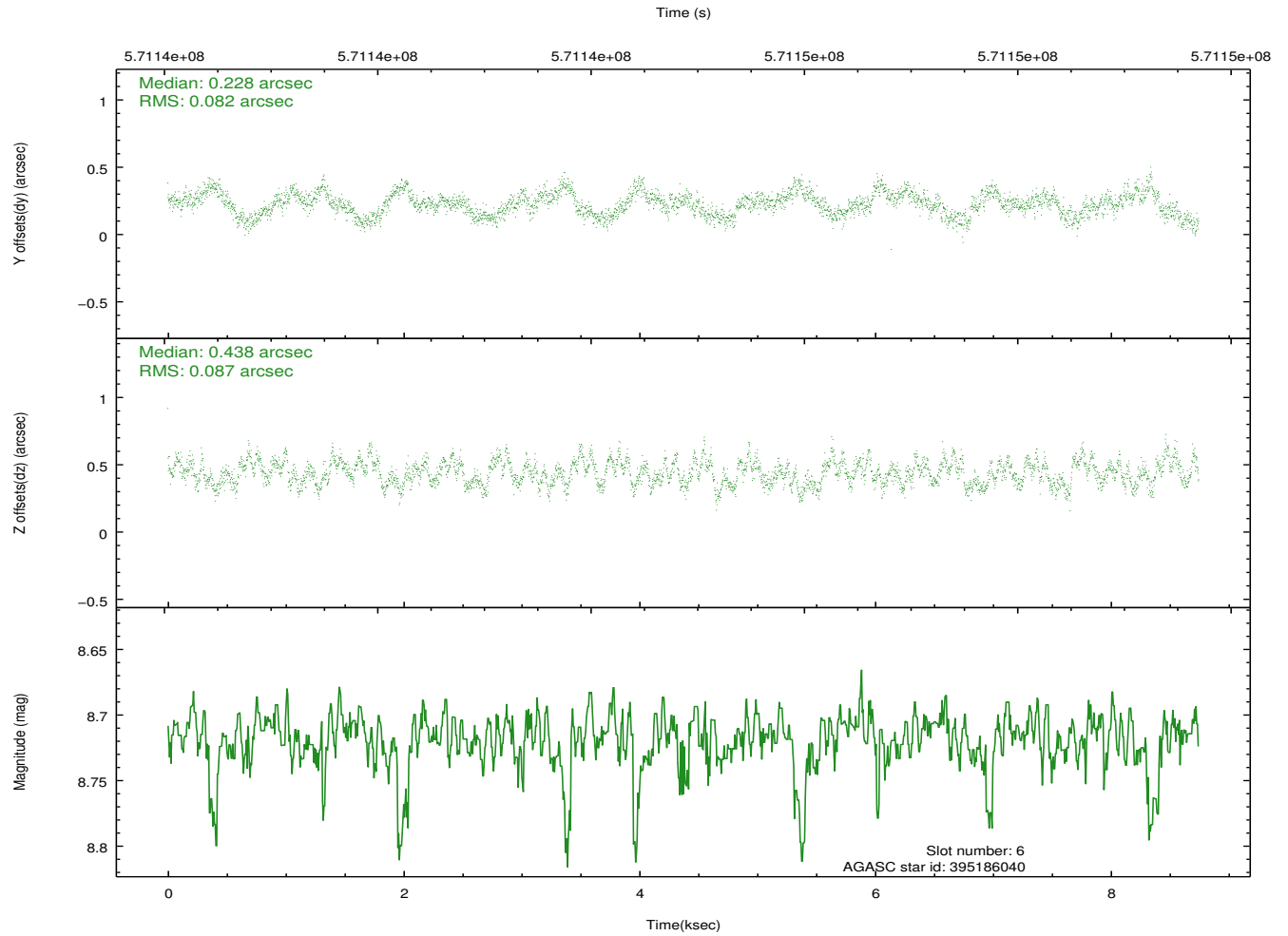
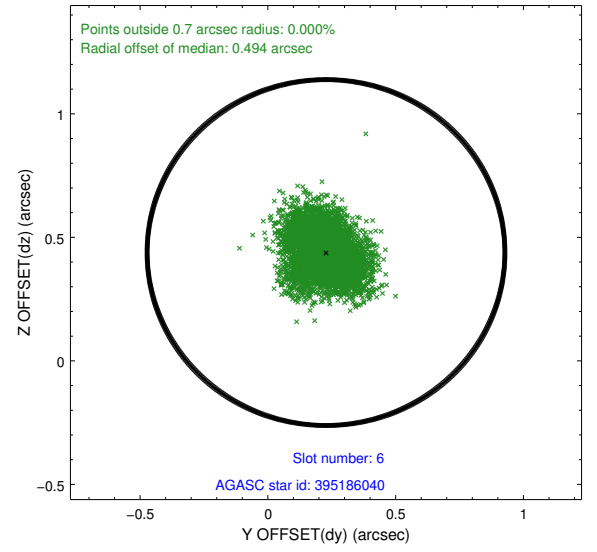
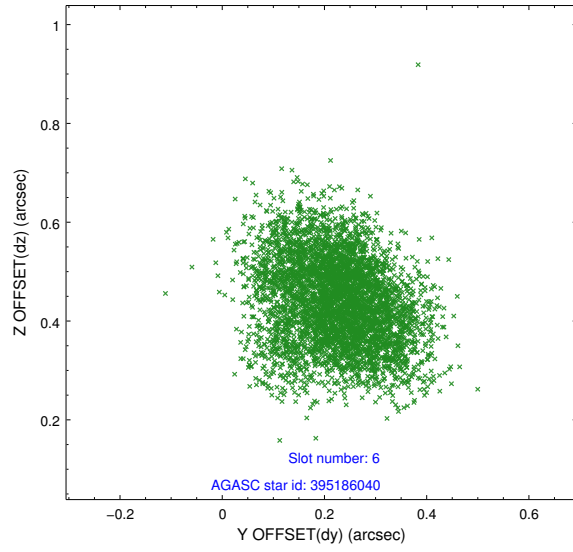
2.4.2 Slot 4



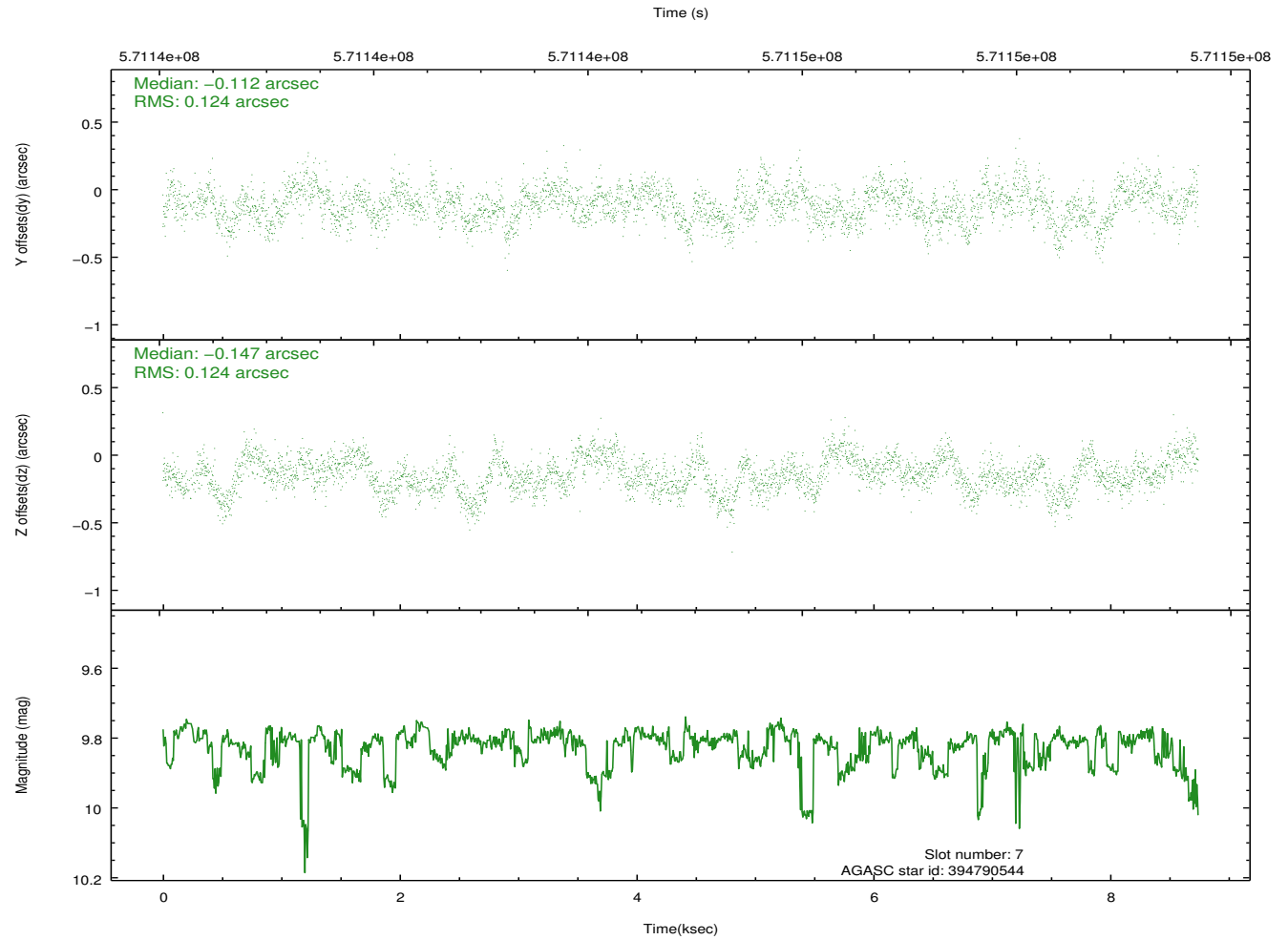
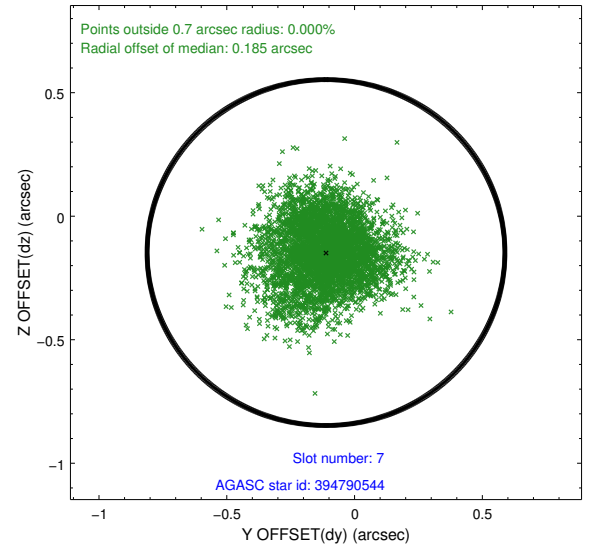
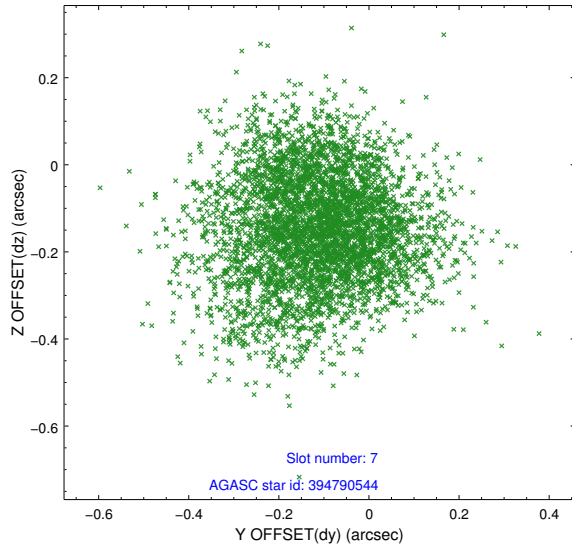
2.4.3 Slot 5



2.4.4 Slot 6

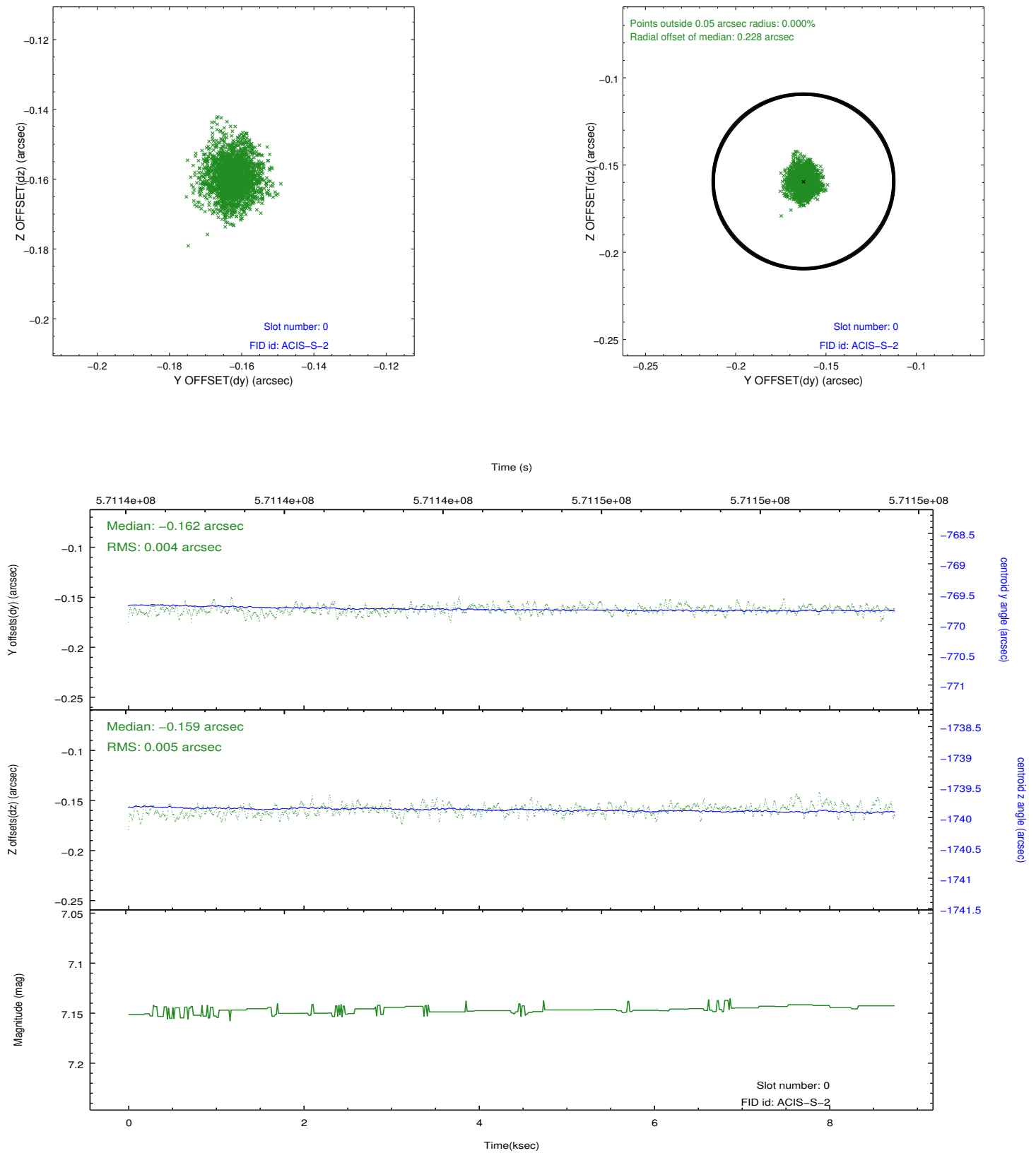


2.4.5 Slot 7

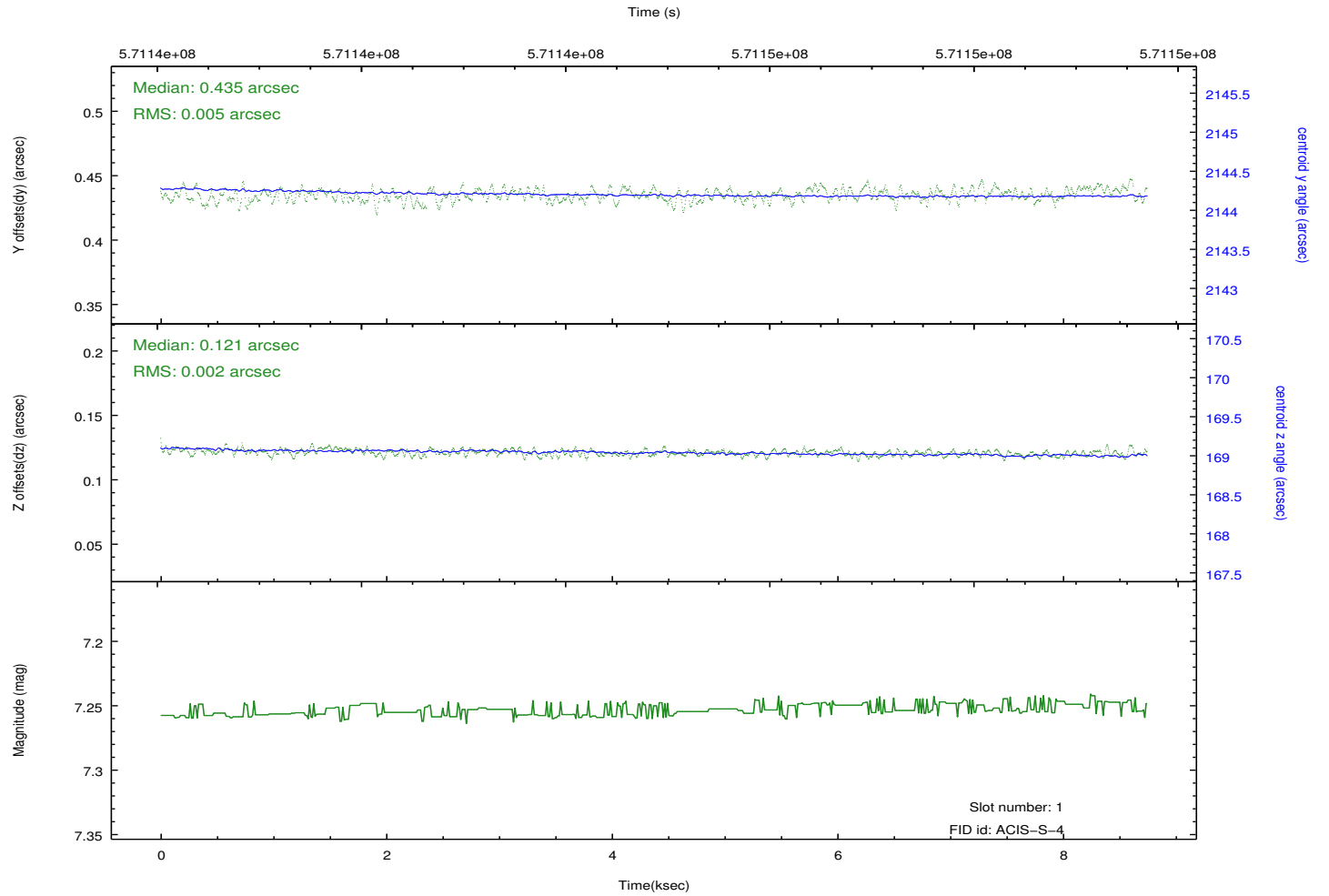
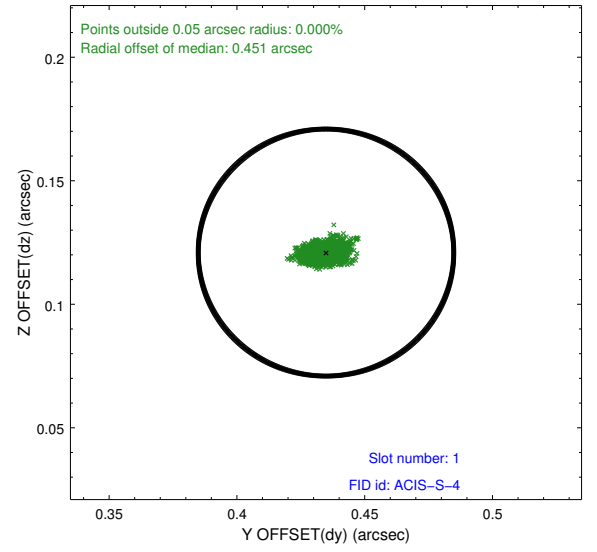
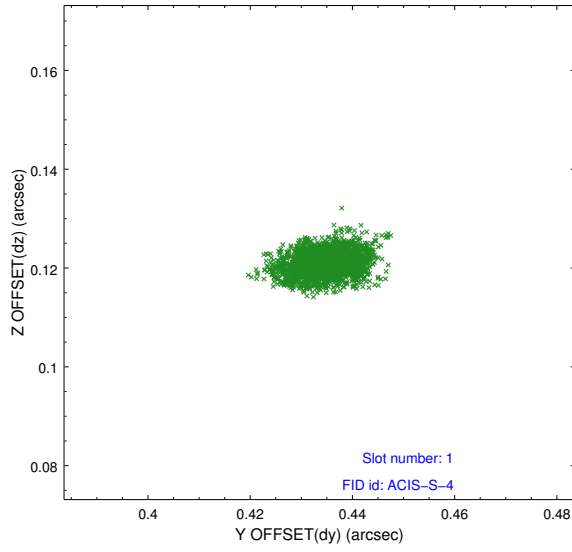


2.5 FID Slots

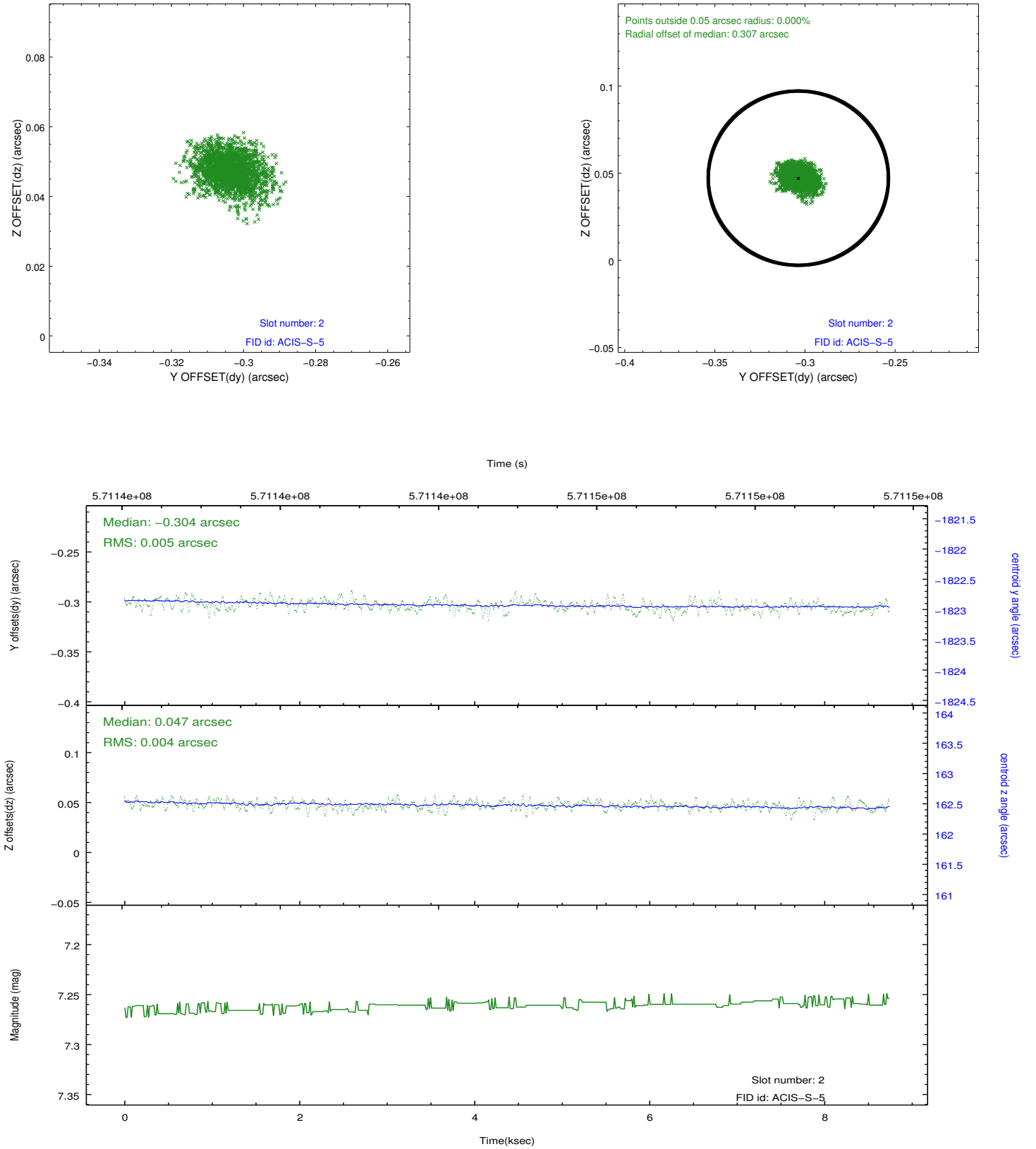
2.5.1 Slot 0



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)	2016.02.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.0741910797358

A.2 Comments