

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17469 - L2 Version 1
Chandra X-Ray Center

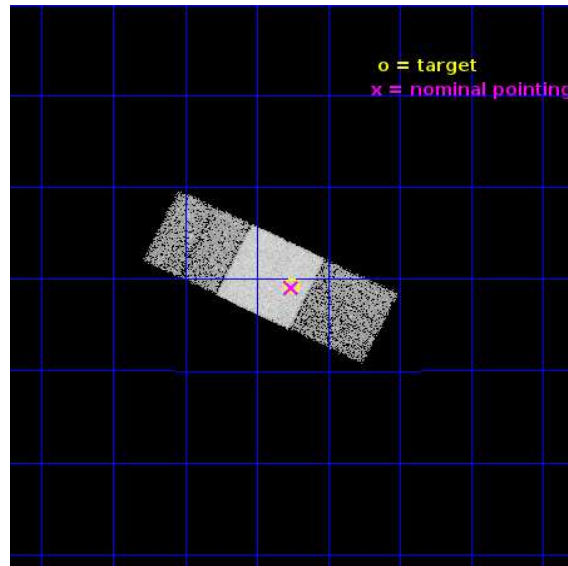
L2 Processing Date : May 13 2016

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1 Front

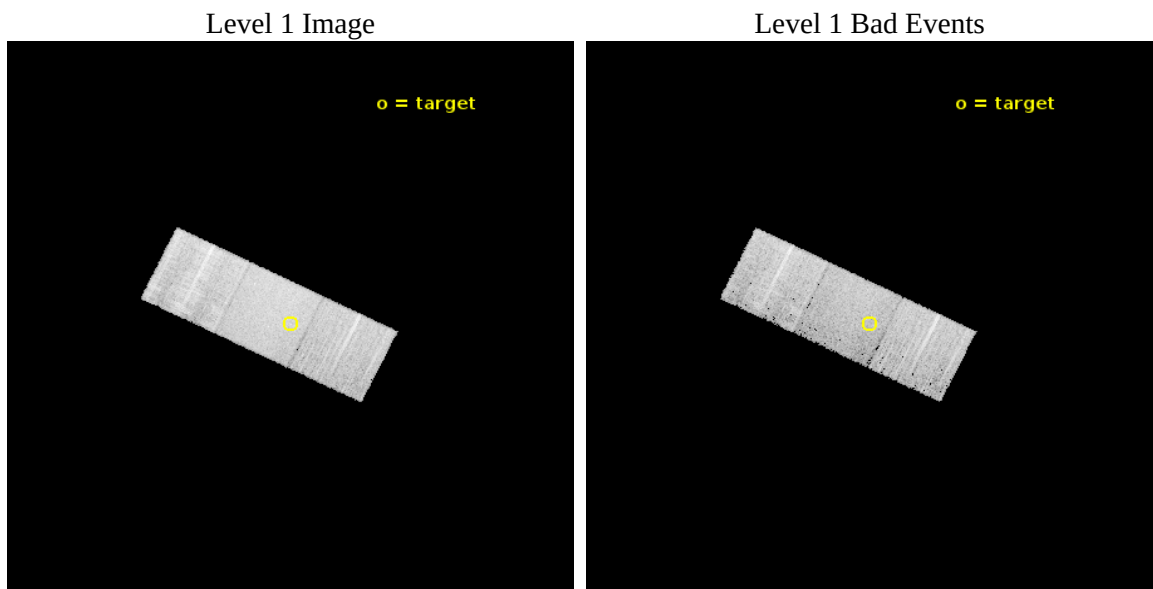
seq_num	703146	Sequence number
obs_id	17469	Observation id
title	Intrinsic X-ray Weakness and the Launching of Powerful Quasar Winds	
observer	Gordon Garmire	Principal investigator
object	LBQS 1443+0141	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	221.43875	Observer's specified target RA [deg]
dec_targ	1.486722	Observer's specified target Dec [deg]
ra_nom	221.43913594642	Nominal RA [deg]
dec_nom	1.4842218431582	Nominal Dec [deg]
roll_nom	206.15663772285	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10216.794014096	Sum of GTIs [s]
livetime	10083.304078808	Livetime [s]
ontime6	10213.61197412	Sum of GTIs [s]
ontime7	10216.794014096	Sum of GTIs [s]
ontime8	10216.71193409	Sum of GTIs [s]
l2events	49521	Number of level 2 events



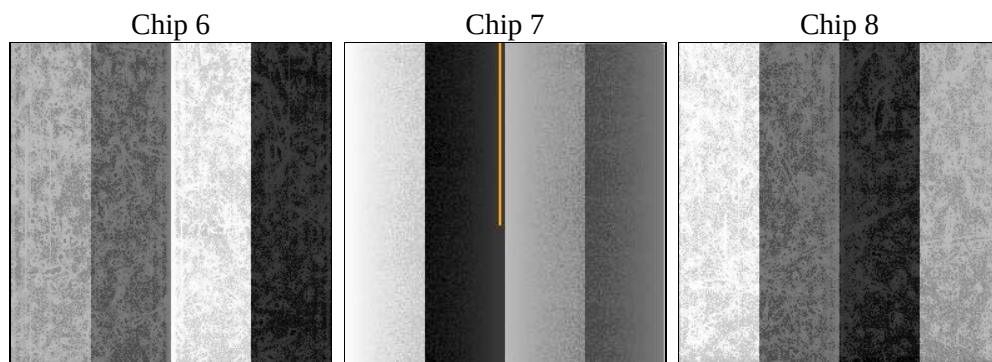
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10100.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	10216.794014096	Sum of GTIs [s]
caldsver	4.7.1	 	ontime6	10213.61197412	Sum of GTIs [s]
date	2016-05-13T10:40:04	Date and time of file creation	ontime7	10216.794014096	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	10216.71193409	Sum of GTIs [s]
			l1events	231117	Number of level 1 events

2.1.4 Events

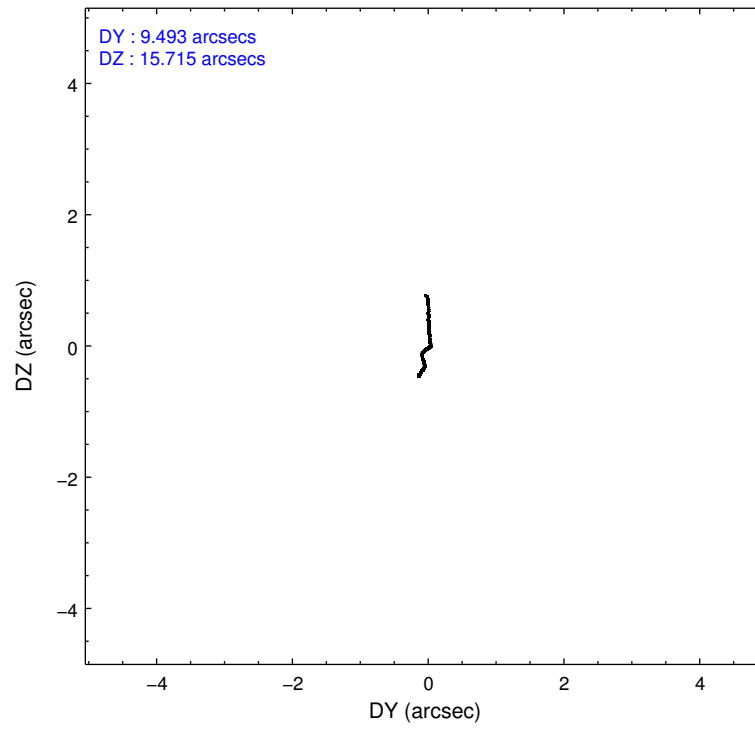
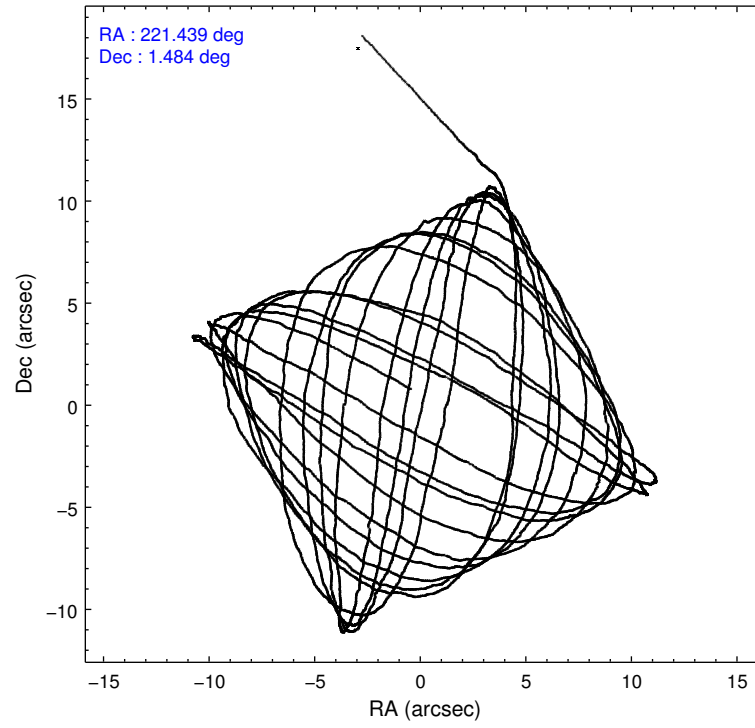
	ccd 6	ccd 7	ccd 8
level 1 events	63318	82449	85350
rejected events	55806	46004	62011
rejected %	88%	55%	72%

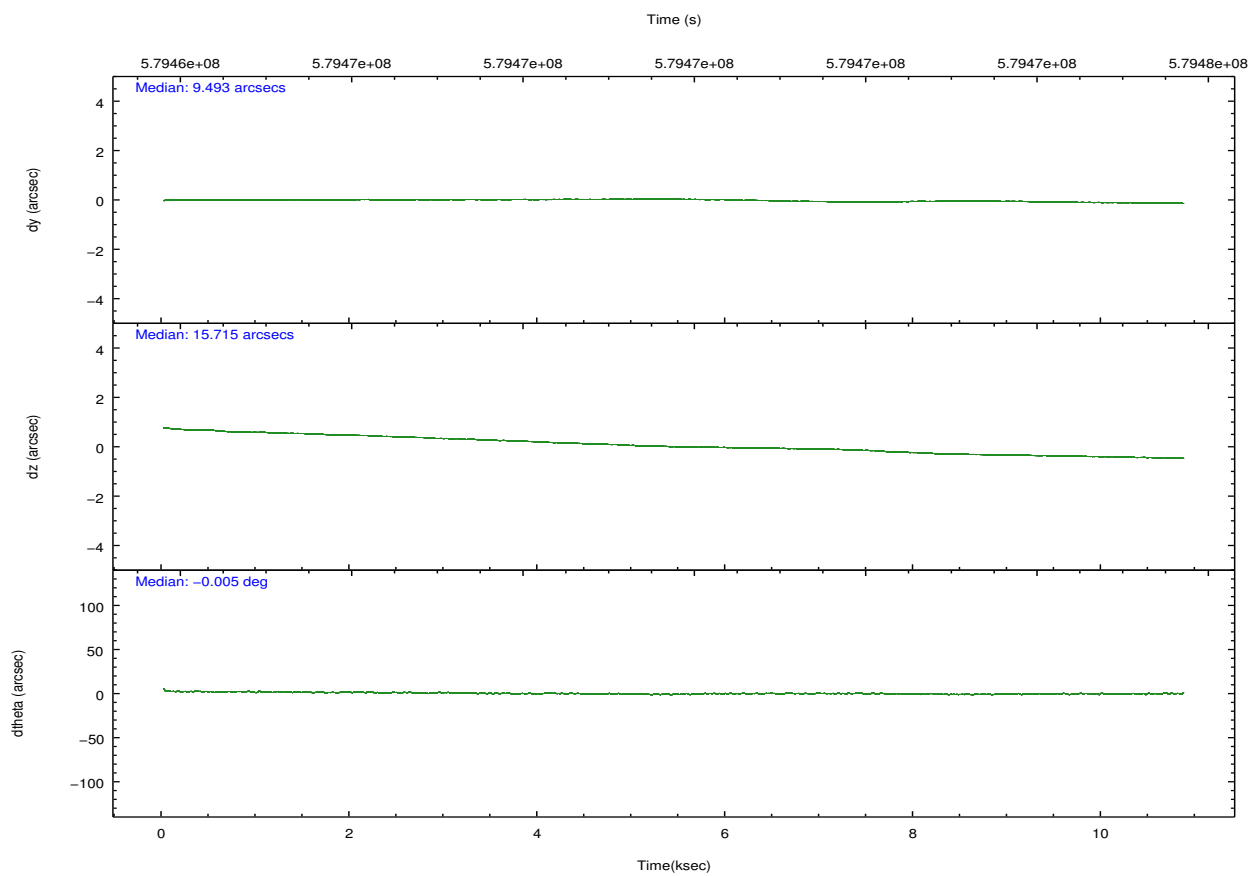
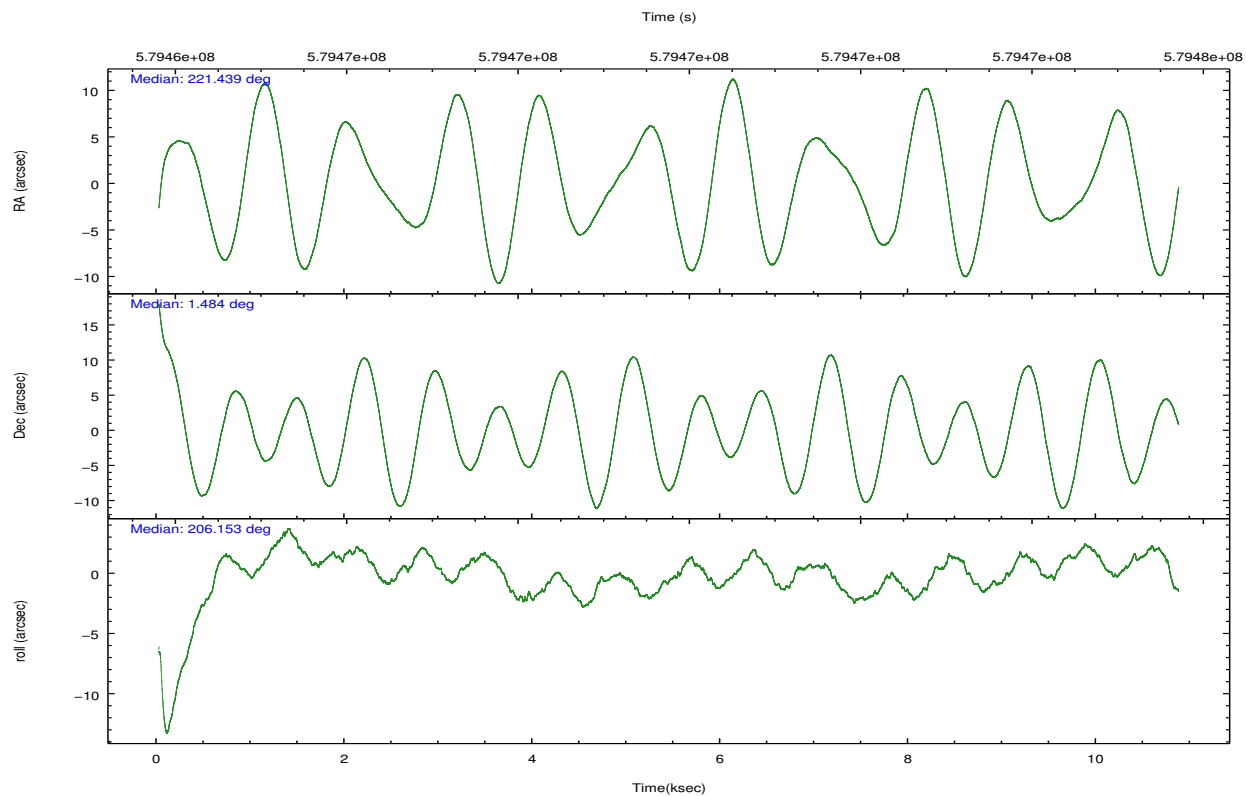
	ccd 6	ccd 7	ccd 8
grade 0 events	2503	3120	6922
	3%	3%	8%
grade 1 events	24	120	65
	0%	0%	0%
grade 2 events	1760	7781	5563
	2%	9%	6%
grade 3 events	760	3020	2483
	1%	3%	2%
grade 4 events	745	3028	2369
	1%	3%	2%
grade 5 events	3109	8341	4663
	4%	10%	5%
grade 6 events	1747	19504	6008
	2%	23%	7%
grade 7 events	52670	37535	57277
	83%	45%	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	221.454148	221.4391359464161	Subarray requested	NONE	NONE
[deg] Pointing Dec	1.507187	1.484221843158185	Alternating exposures requested	N	N
[deg] Pointing Roll	205.999604	206.1566377228537	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	579465108.184000	579463184.59157			
Observation start date	2016-05-12T18:30:40	2016-05-12T17:59:44			
[s] Observation end time (MET)	579475208.184000	579476663.85484			
Observation end date	2016-05-12T21:19:00	2016-05-12T21:44:23			
Read mode	TIMED	TIMED			

2.3 Aspect



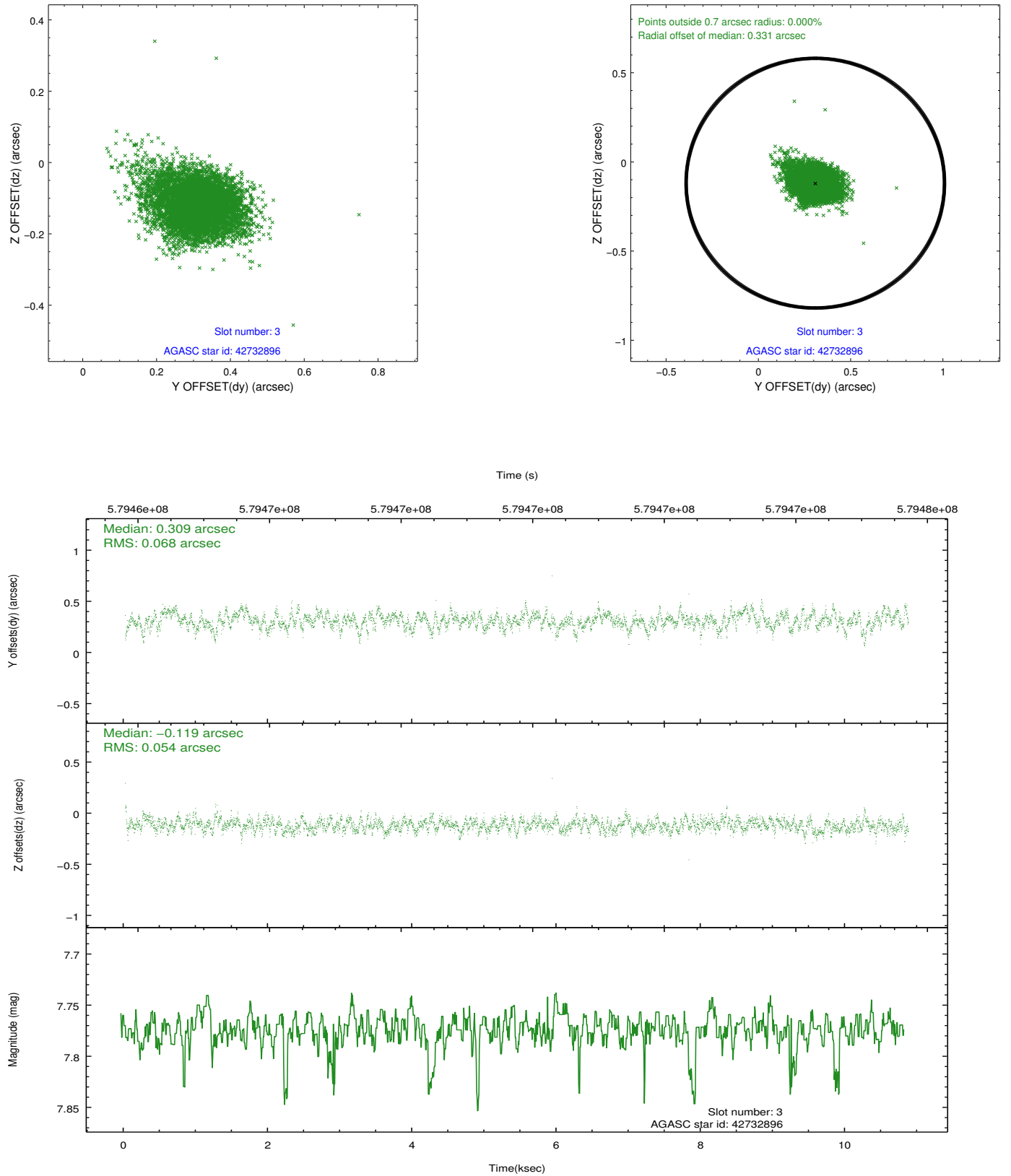


Slot Statistics

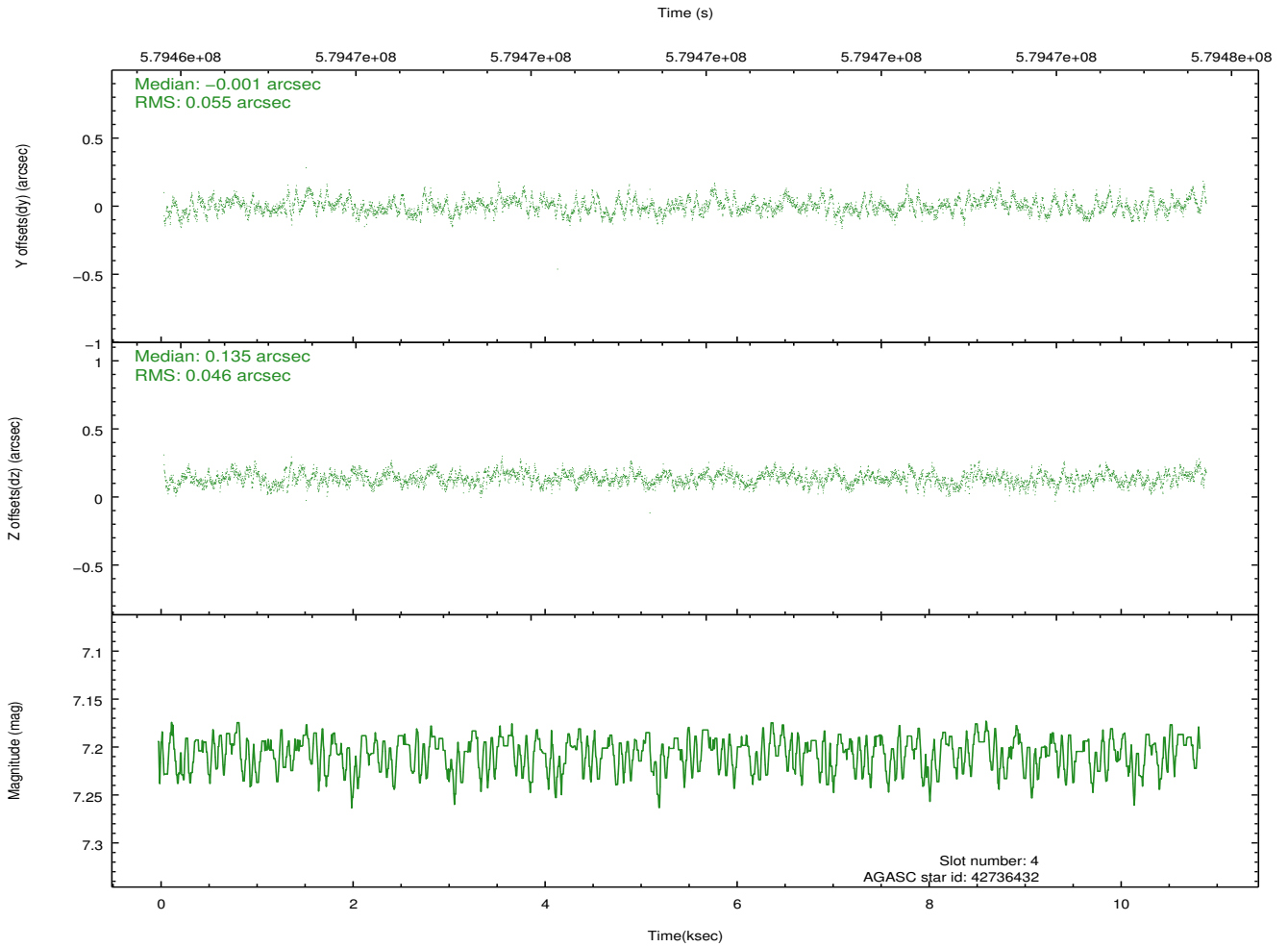
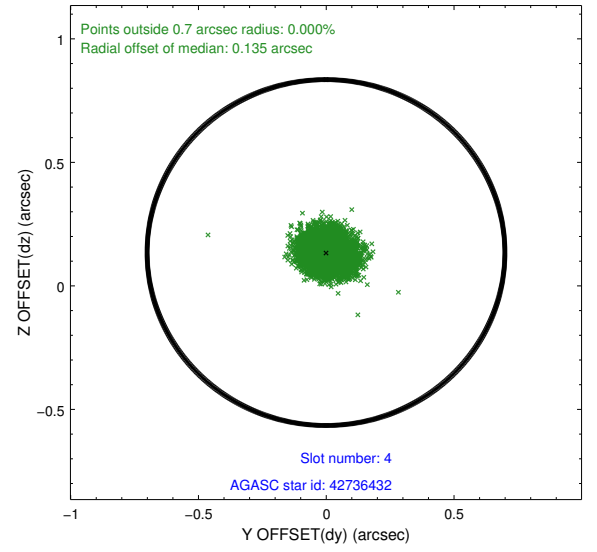
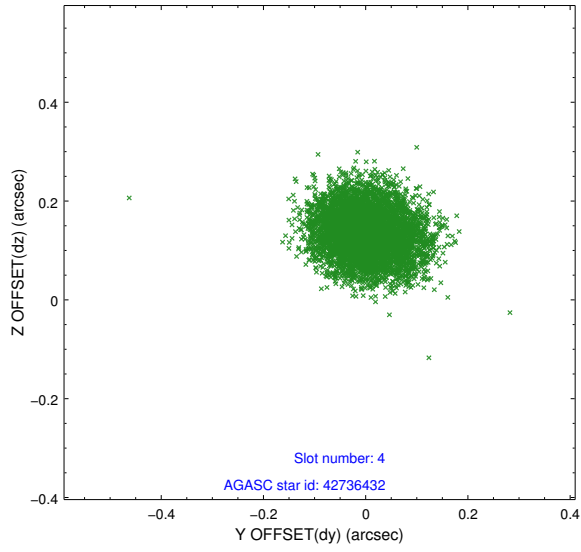
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.10	2648	-0.141	-0.056	0.009	0.014	0.000000	0.000000	-762.40	-1737.25
1	FID		ACIS-S-4	7.22	2648	0.378	0.083	0.006	0.011	0.000000	0.000000	2151.15	170.92
2	FID		ACIS-S-5	7.22	2648	-0.269	-0.018	0.008	0.014	0.000000	0.000000	-1814.79	164.98
3	GUIDE	used	42732896	7.77	5297	0.309	-0.119	0.090	0.151	220.804479	1.824716	1601.22	-2052.10
4	GUIDE	used	42736432	7.20	5296	-0.001	0.135	0.077	0.121	221.856795	2.035715	-2134.87	-1074.91
5	GUIDE	used	42738664	9.26	5290	0.185	-0.137	0.123	0.203	221.798995	1.603981	-1268.10	230.67
6	GUIDE	used	42739904	9.38	5289	-0.563	-0.093	0.122	0.201	221.063801	1.147543	1829.77	548.17
7	GUIDE	used	42739912	9.03	5289	0.067	0.210	0.098	0.159	221.944411	1.831113	-2095.13	-274.40

2.4 Star Slots

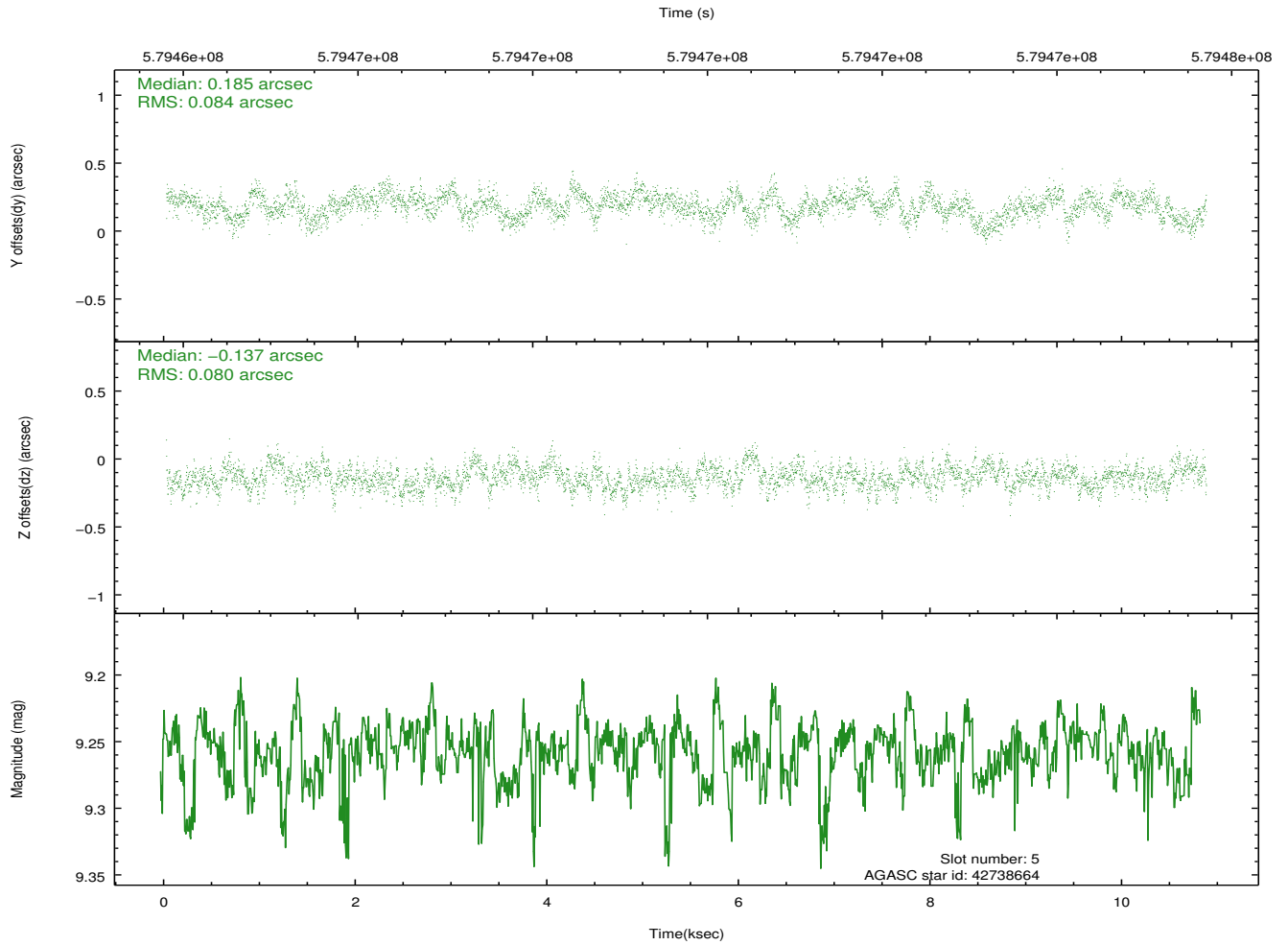
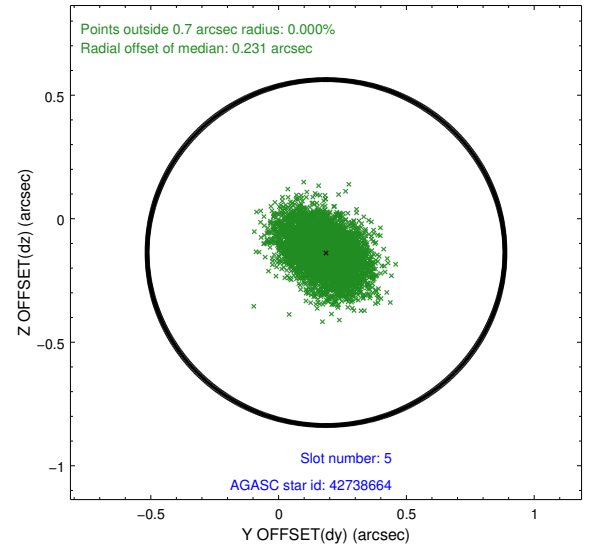
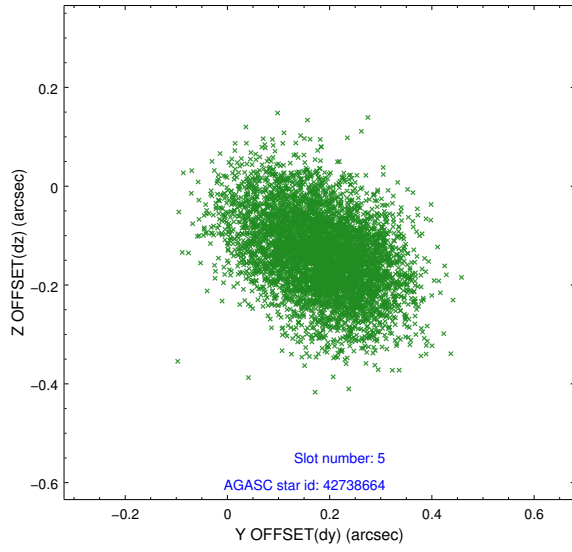
2.4.1 Slot 3



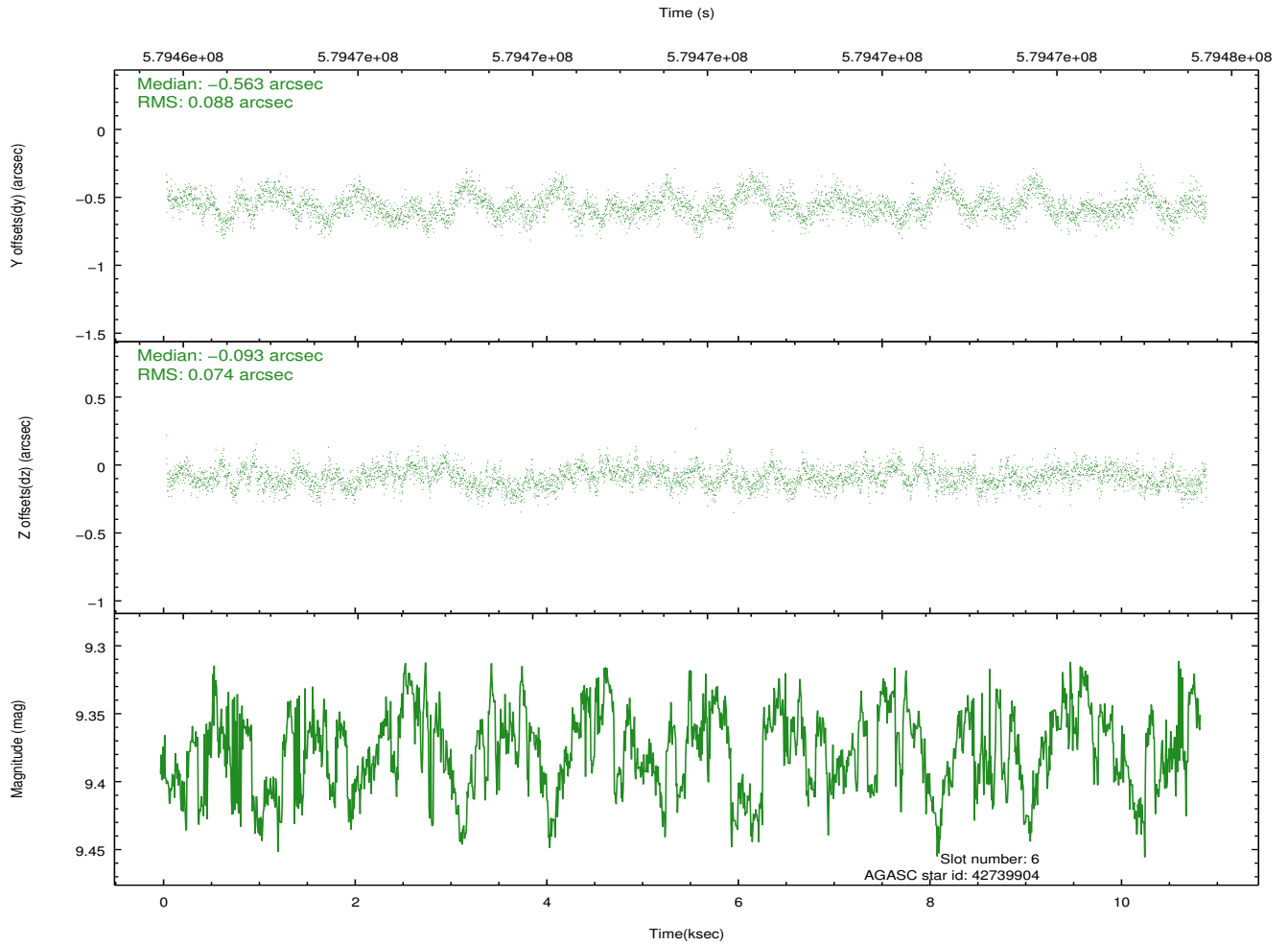
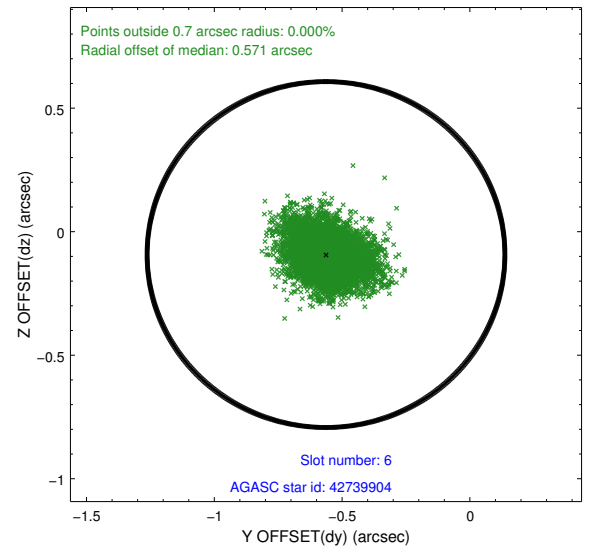
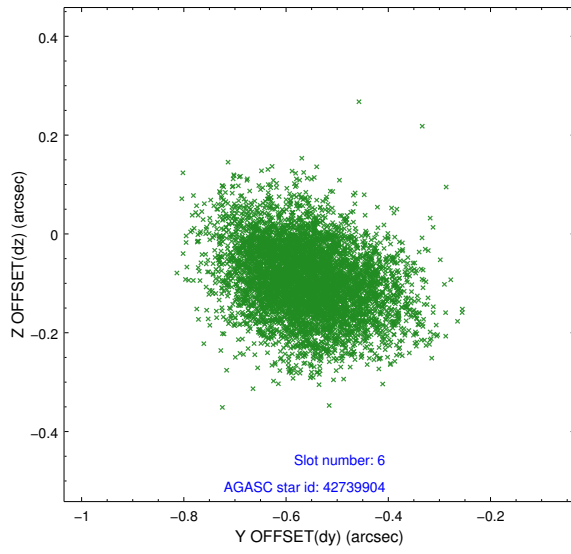
2.4.2 Slot 4



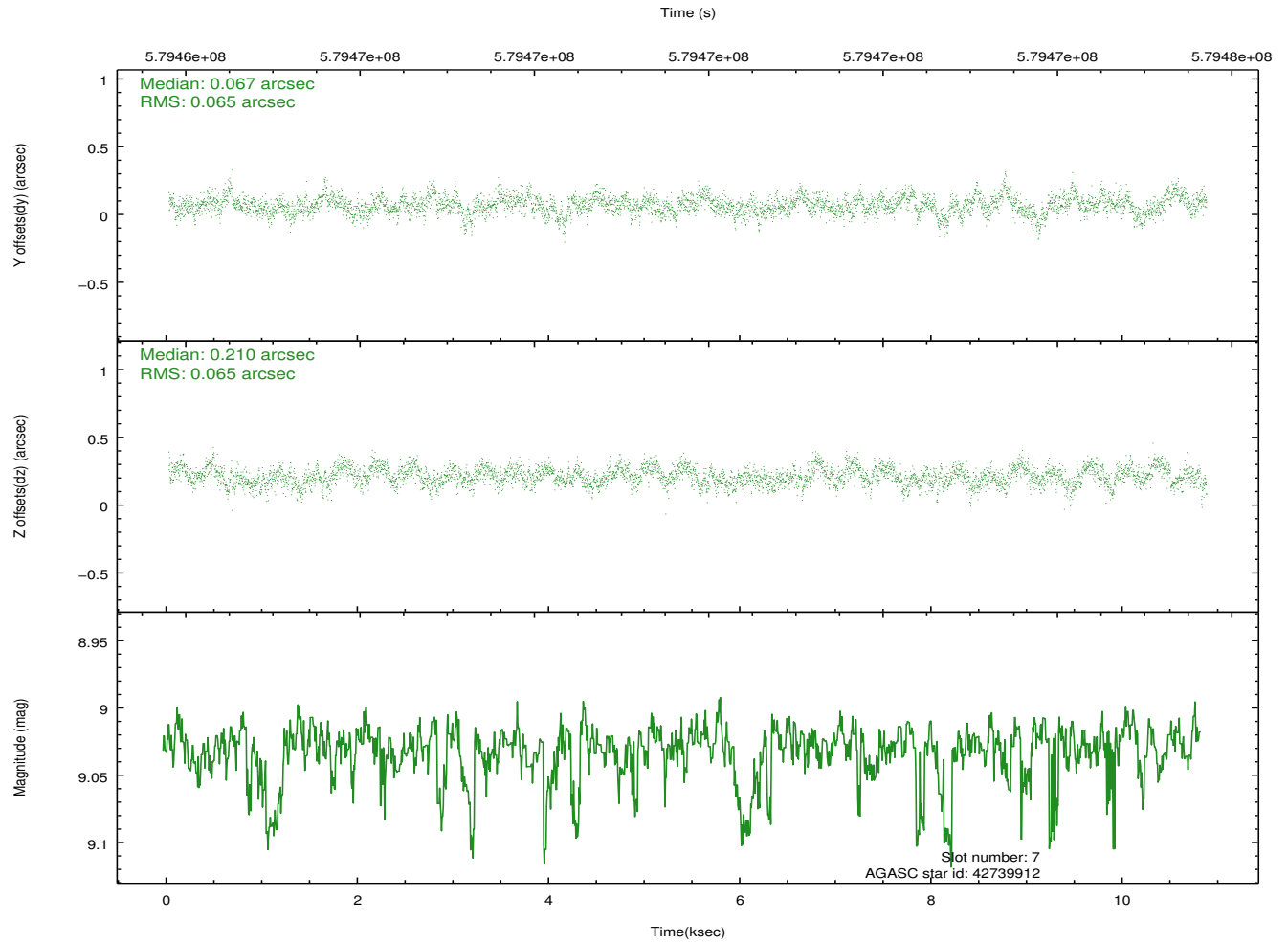
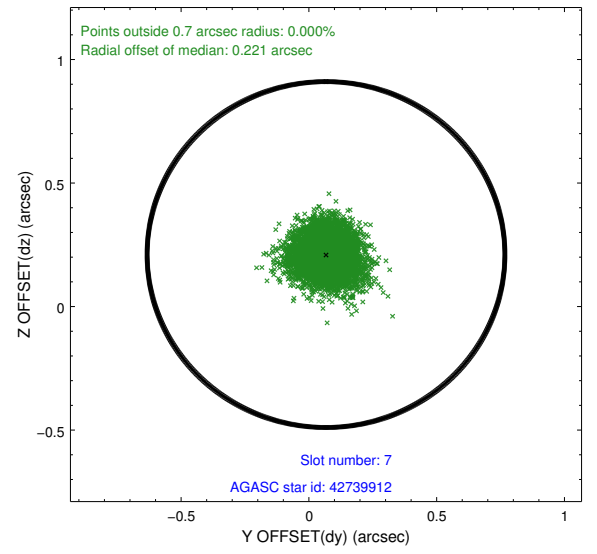
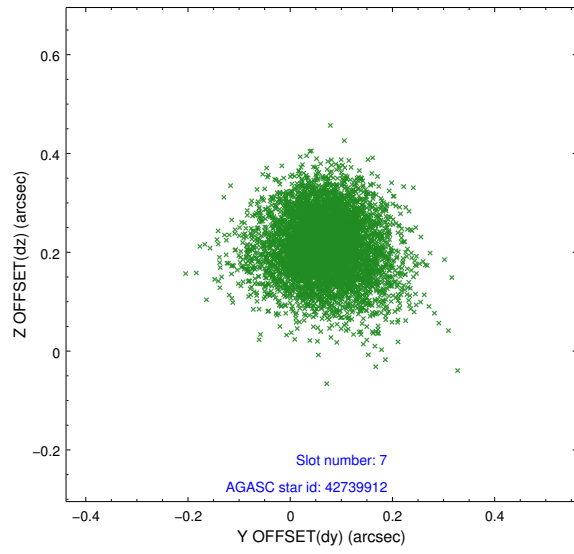
2.4.3 Slot 5



2.4.4 Slot 6

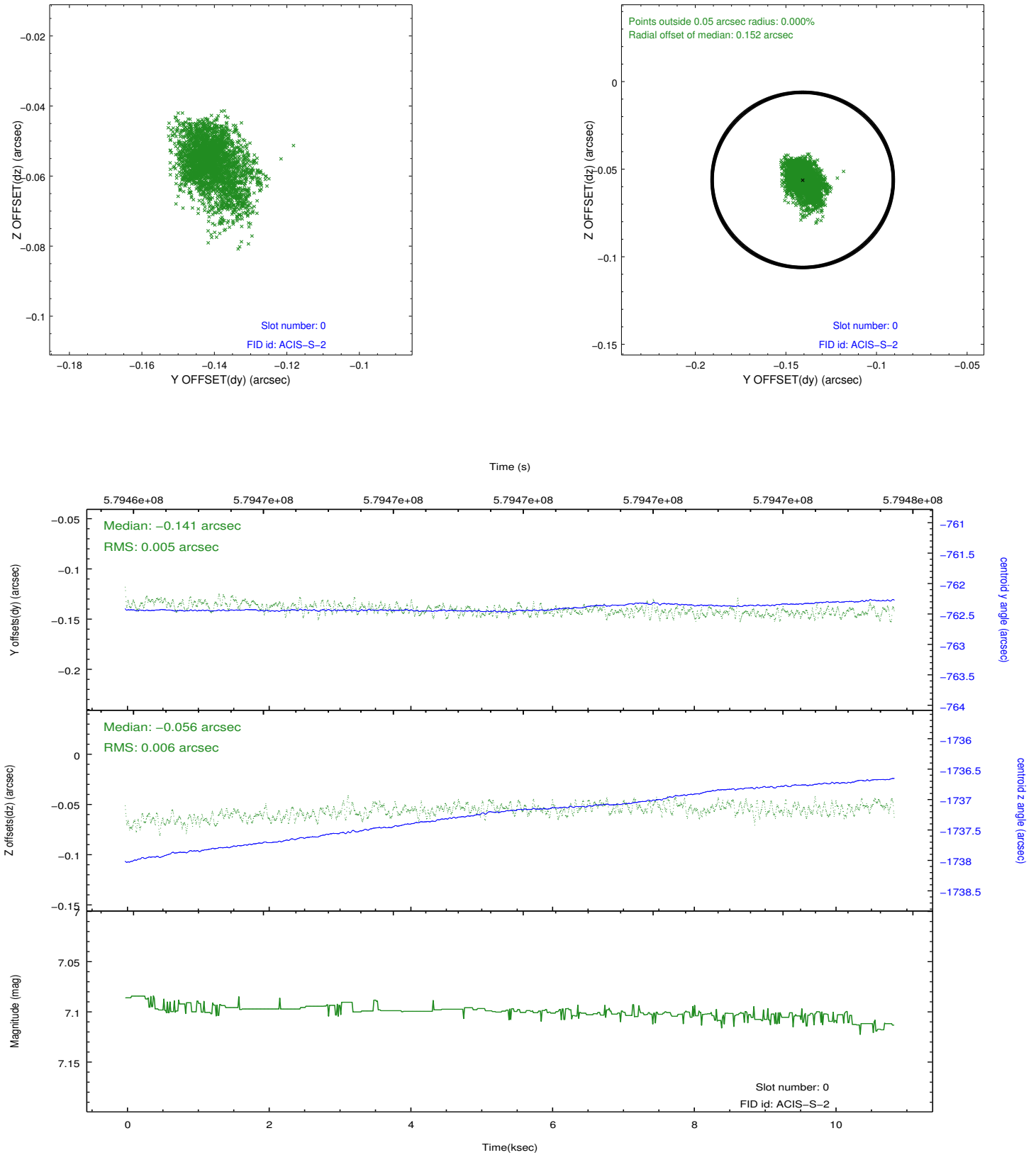


2.4.5 Slot 7

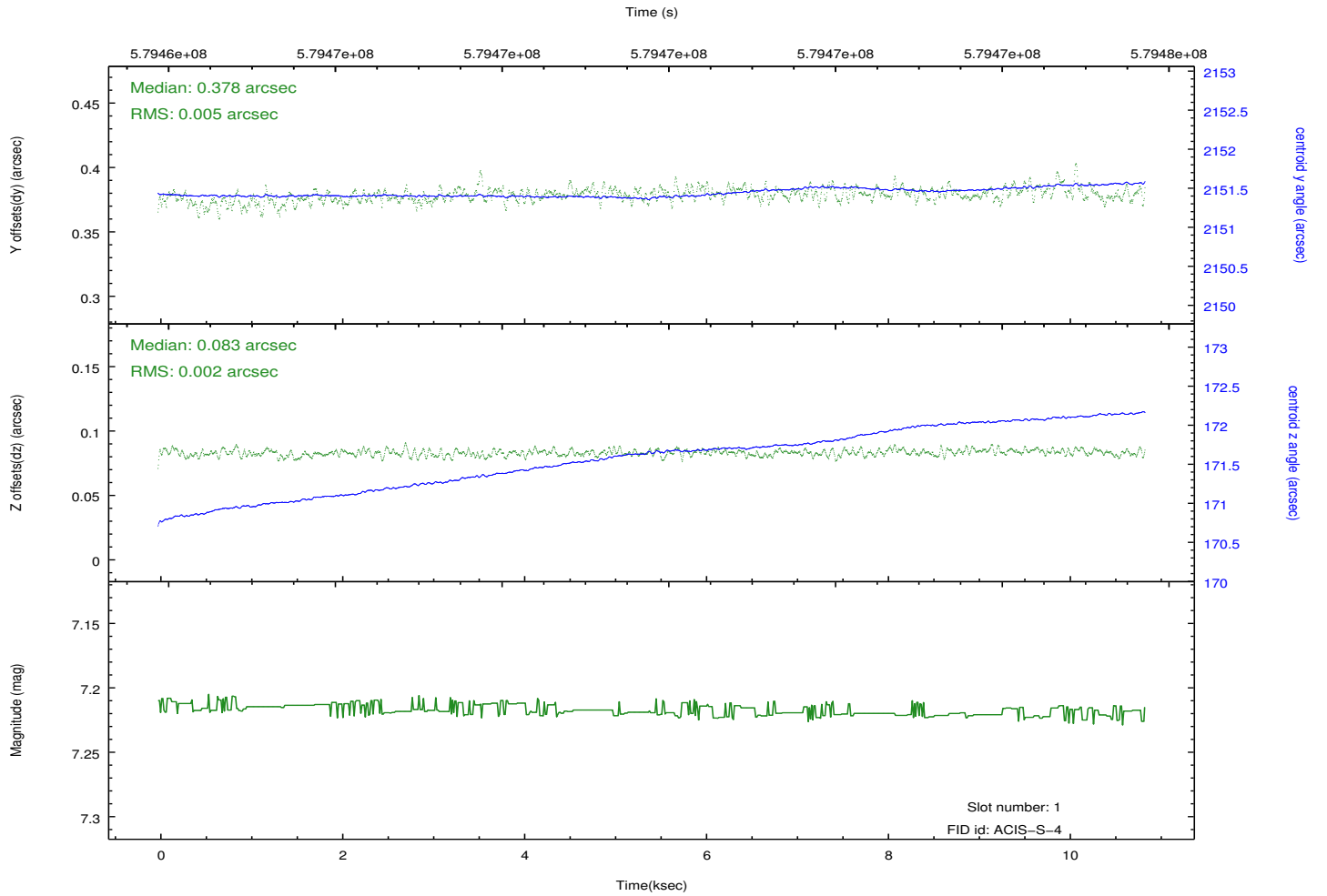
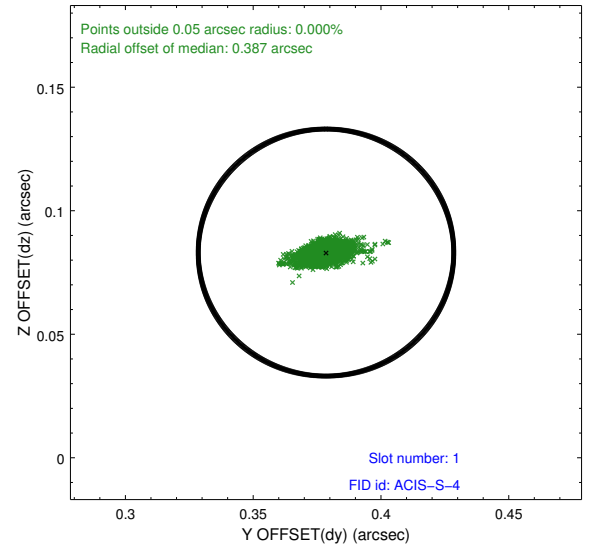
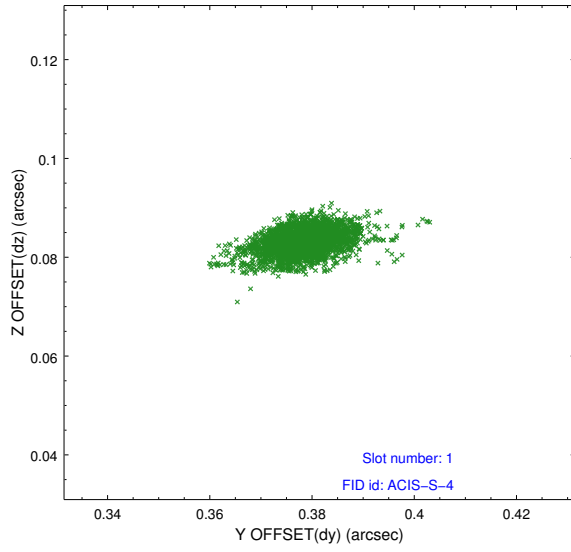


2.5 FID Slots

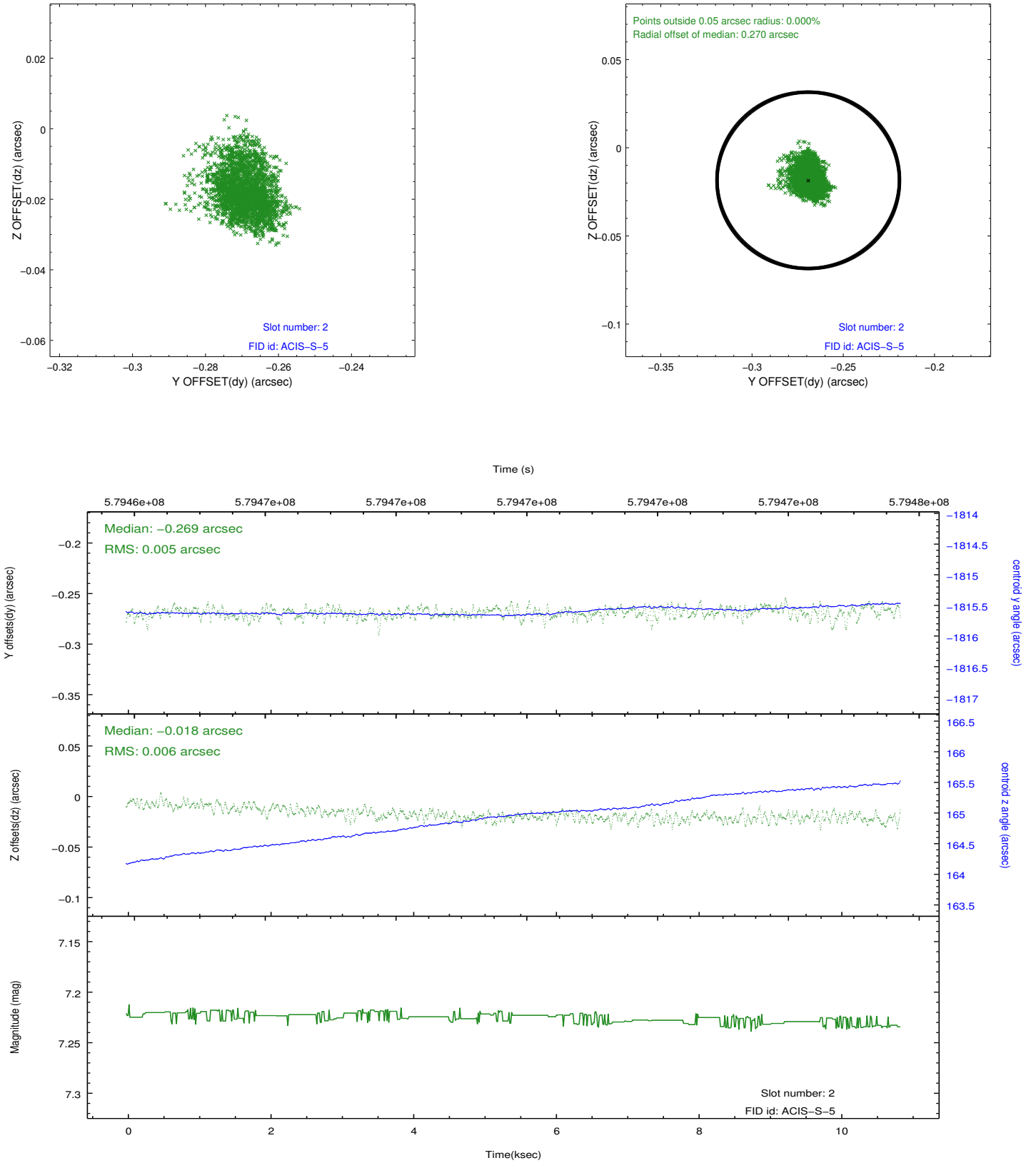
2.5.1 Slot 0



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)	2016.05.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.216794014096

A.2 Comments