

V&V Reference Report

L2 ASCDS Version : 10

Observation 14987 - L2 Version 2
Chandra X-Ray Center

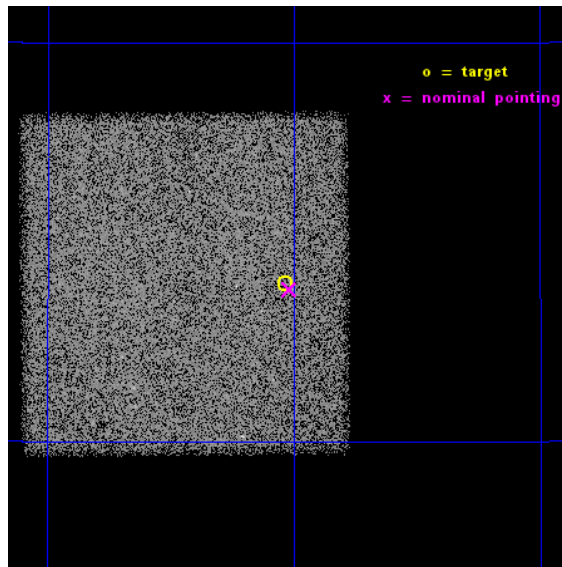
L2 Processing Date : Dec 3 2014

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1 Front

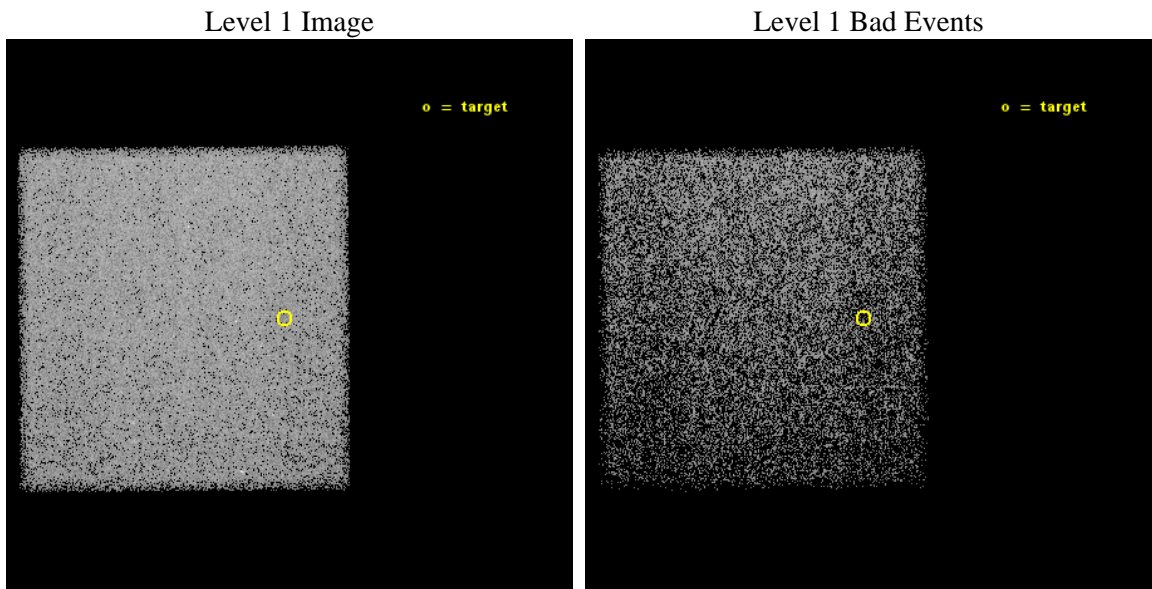
seq_num	702795	Sequence number
obs_id	14987	Observation id
title	The Energetics and Shielding of FeLoBAL Quasar Outflows	Proposal t
observer	Professor Fred Hamann	Principal investigator
object	J171701.00+304357.6	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	259.254167	Observer's specified target RA [deg]
dec_targ	30.732667	Observer's specified target Dec [deg]
ra_nom	259.25226212554	Nominal RA [deg]
dec_nom	30.730121525735	Nominal Dec [deg]
roll_nom	179.54710891927	Nominal Roll [deg]
revision	2	Processing version of data
ontime	34092.0	Sum of GTIs [s]
livetime	33631.915397364	Livetime [s]
ontime7	34092.0	Sum of GTIs [s]
l2events	90868	Number of level 2 events



2 OBI

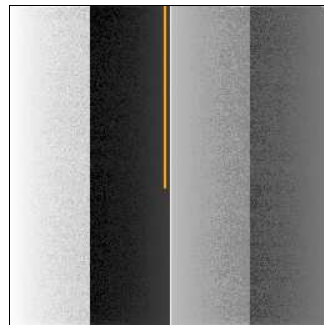
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	34000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	34092.0	Sum of GTIs [s]
caldbver	4.6.4	 	ontime7	34092.0	Sum of GTIs [s]
date	2014-12-03T17:15:13	Date and time of file creation	l1events	209845	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

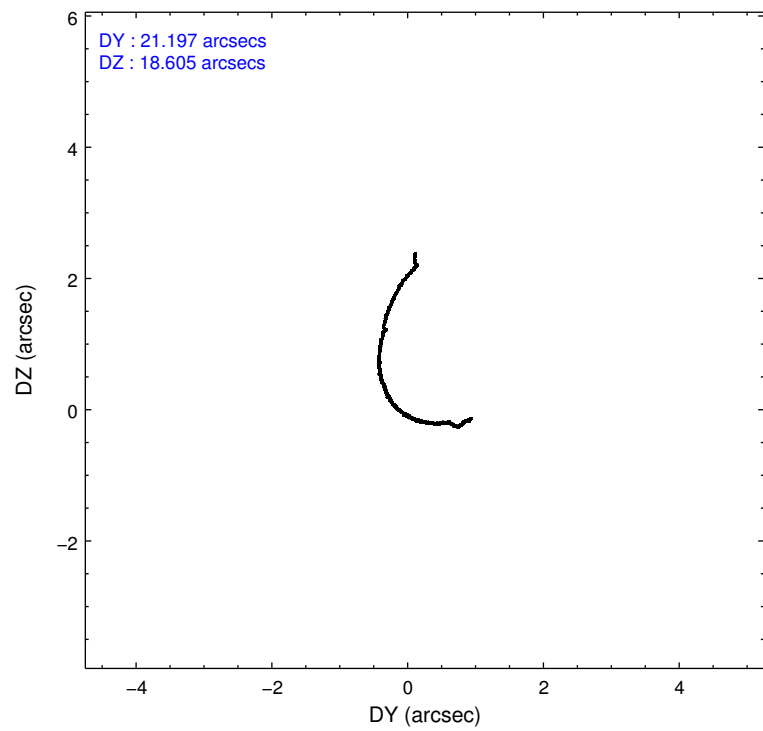
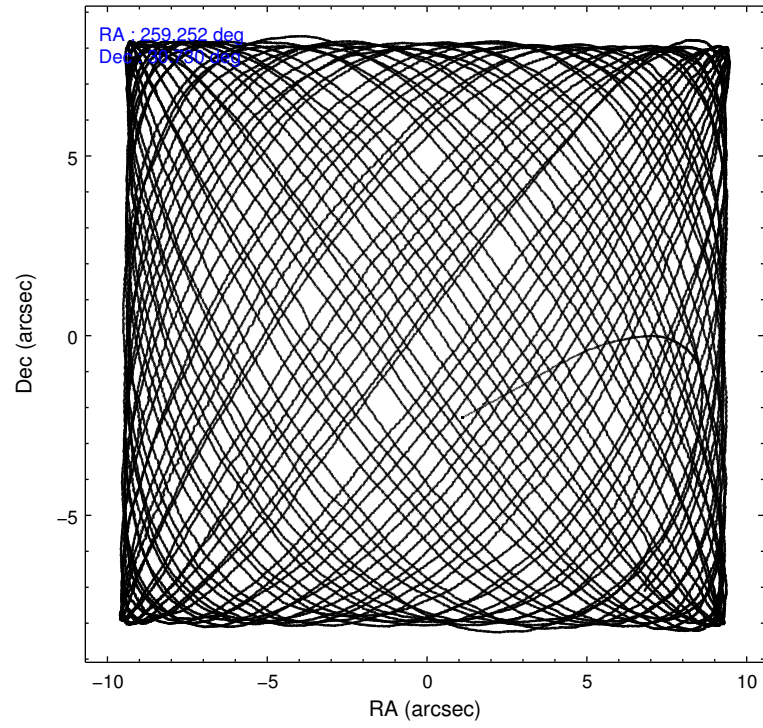
	ccd 7
level 1 events	209845
rejected events	116652
rejected %	55%

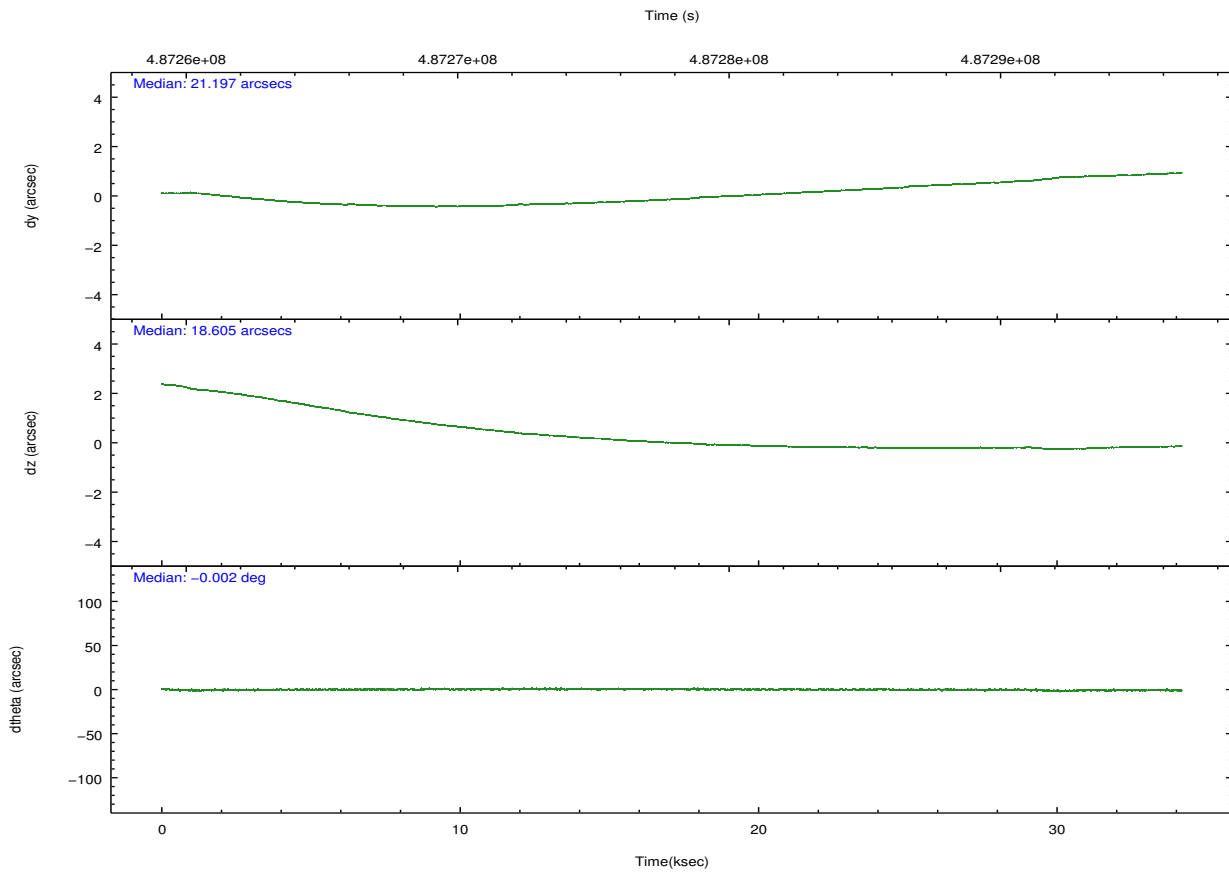
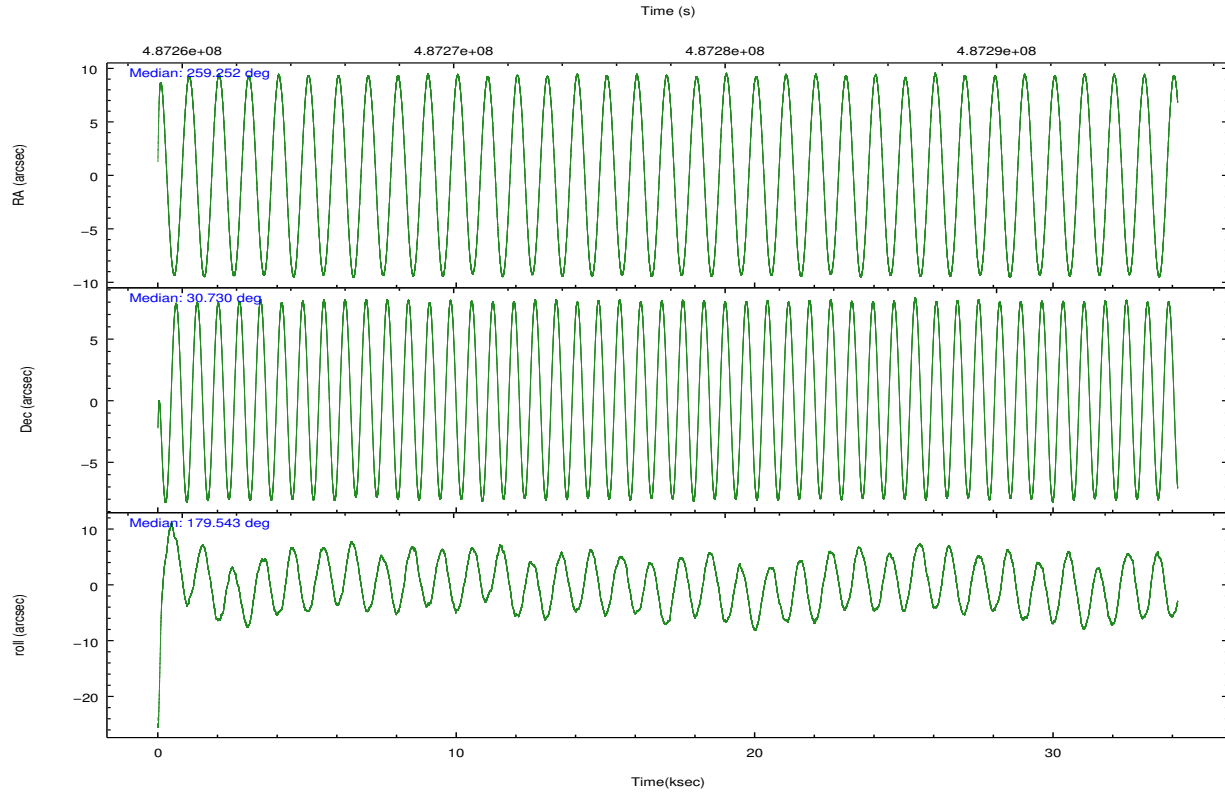
	ccd 7
grade 0 events	8479
	4%
grade 1 events	263
	0%
grade 2 events	18843
	8%
grade 3 events	8066
	3%
grade 4 events	7829
	3%
grade 5 events	21484
	10%
grade 6 events	49989
	23%
grade 7 events	94892
	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	259.279715	259.2522621255422	Subarray requested	NONE	NONE
[deg] Pointing Dec	30.743930	30.73012152573547	Alternating exposures requested	N	N
[deg] Pointing Roll	179.376456	179.5471089192674	[s] Primary exposure time	0.000000	3
[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)	487260976.184000	487259879.26678			
Observation start date	2013-06-10T14:15:09	2013-06-10T13:57:59			
[s] Observation end time (MET)	487294976.184000	487295811.66873			
Observation end date	2013-06-10T23:41:49	2013-06-10T23:56:51			
Read mode	TIMED	TIMED			

2.3 Aspect





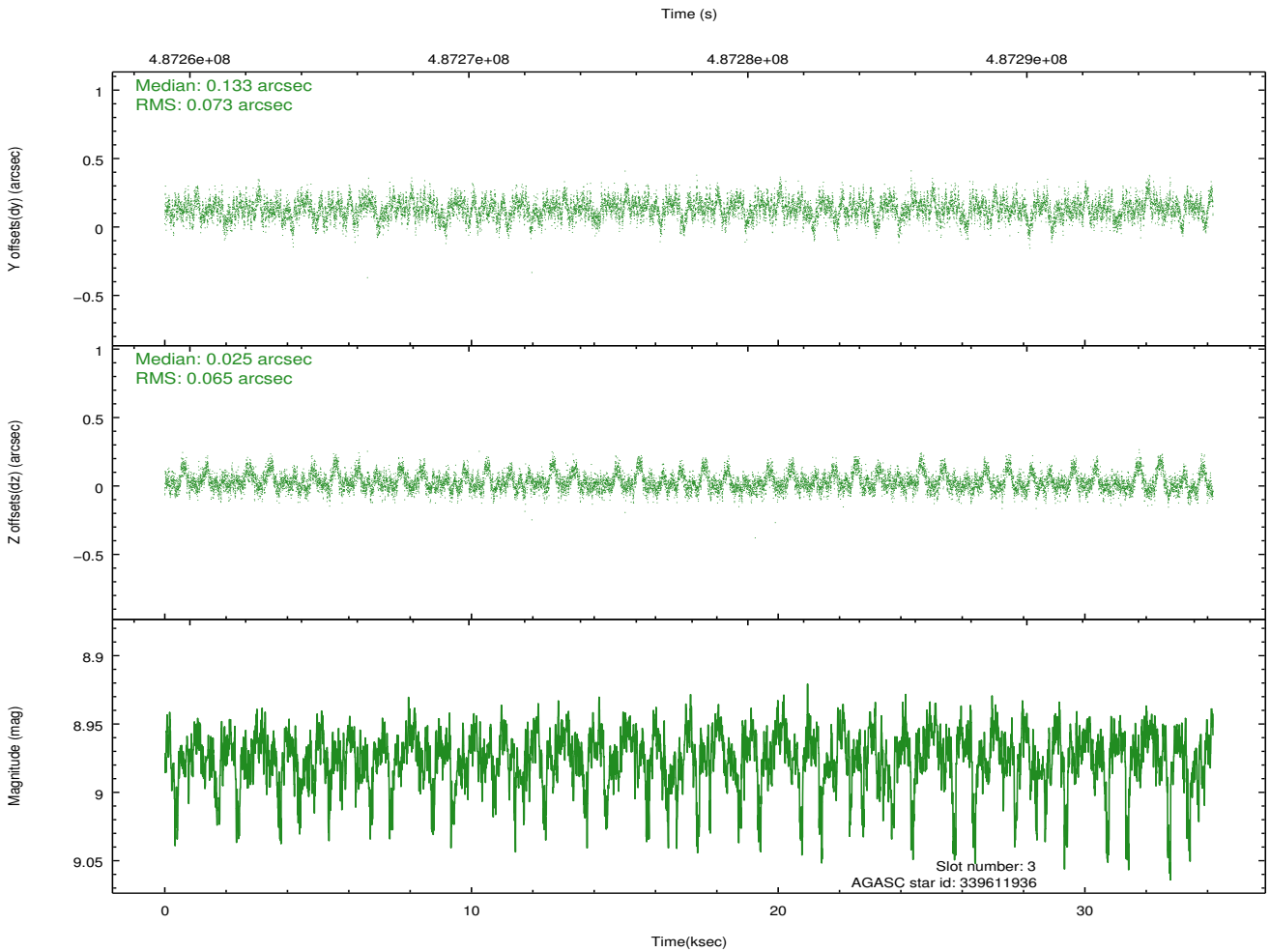
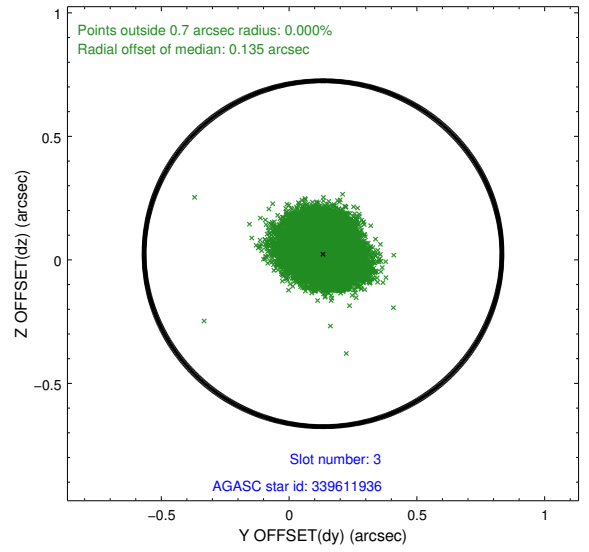
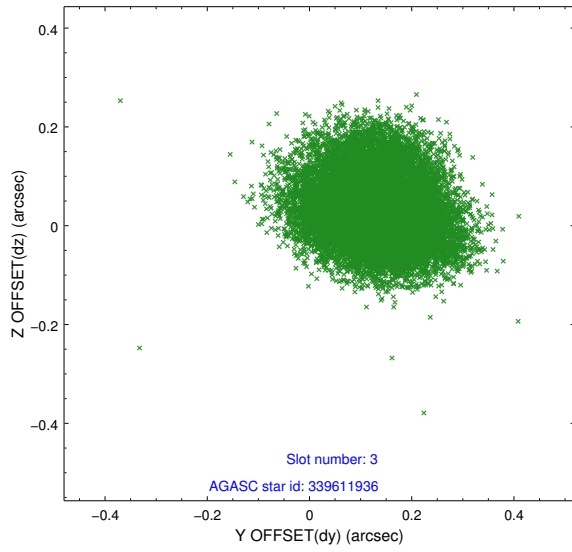
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.95	8335	-0.132	-0.073	0.009	0.015	0.000000	0.000000	-774.60	-1740.50
1	FID		ACIS-S-4	7.03	8335	0.171	0.068	0.010	0.016	0.000000	0.000000	2139.02	167.99
2	FID		ACIS-S-6	7.16	8334	-0.067	0.011	0.011	0.018	0.000000	0.000000	387.58	805.43
3	GUIDE	used	339611936	8.97	16656	0.133	0.025	0.105	0.169	258.641248	30.955894	1980.17	-747.41
4	GUIDE	used	339747368	9.30	16551	0.112	-0.008	0.156	0.263	259.324013	30.492201	-146.42	904.85
5	GUIDE	used	339751544	9.30	16606	-0.006	0.288	0.133	0.213	258.813376	31.013492	1449.76	-957.08
6	GUIDE	used	339752048	8.24	16666	-0.021	0.108	0.062	0.104	259.868342	30.454132	-1837.40	1018.47
7	GUIDE	used	339748920	7.71	16670	-0.204	-0.421	0.079	0.122	258.806247	30.301276	1454.18	1606.34

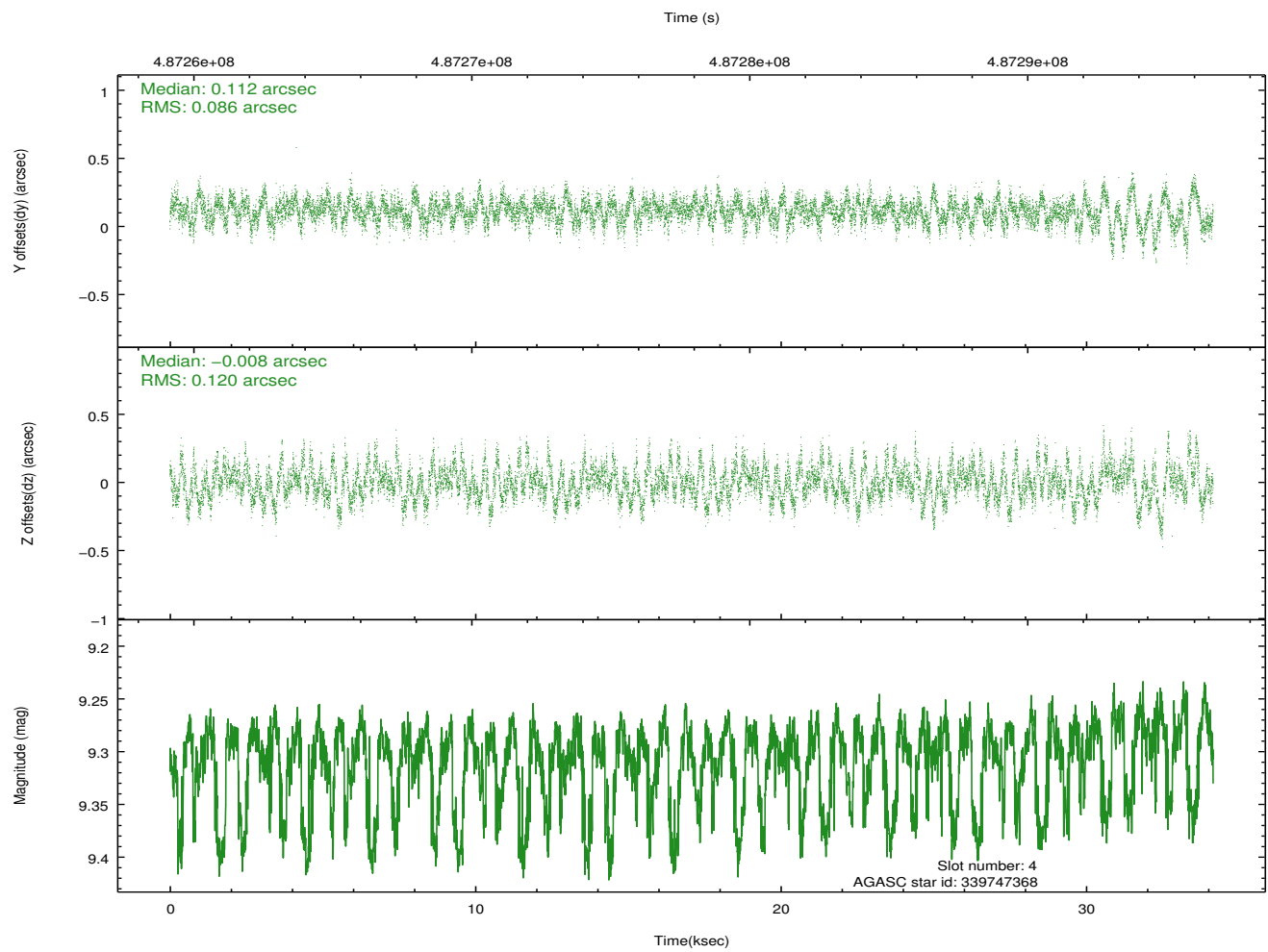
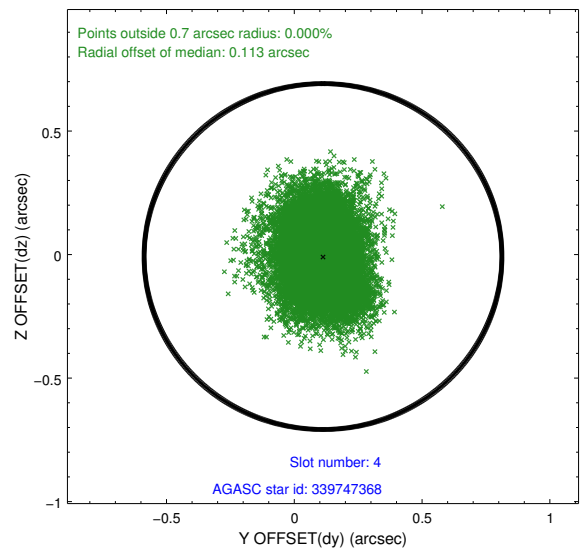
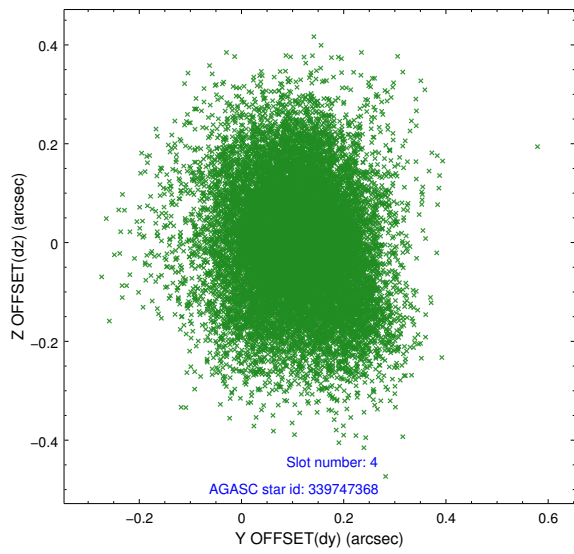
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2.4 Star Slots

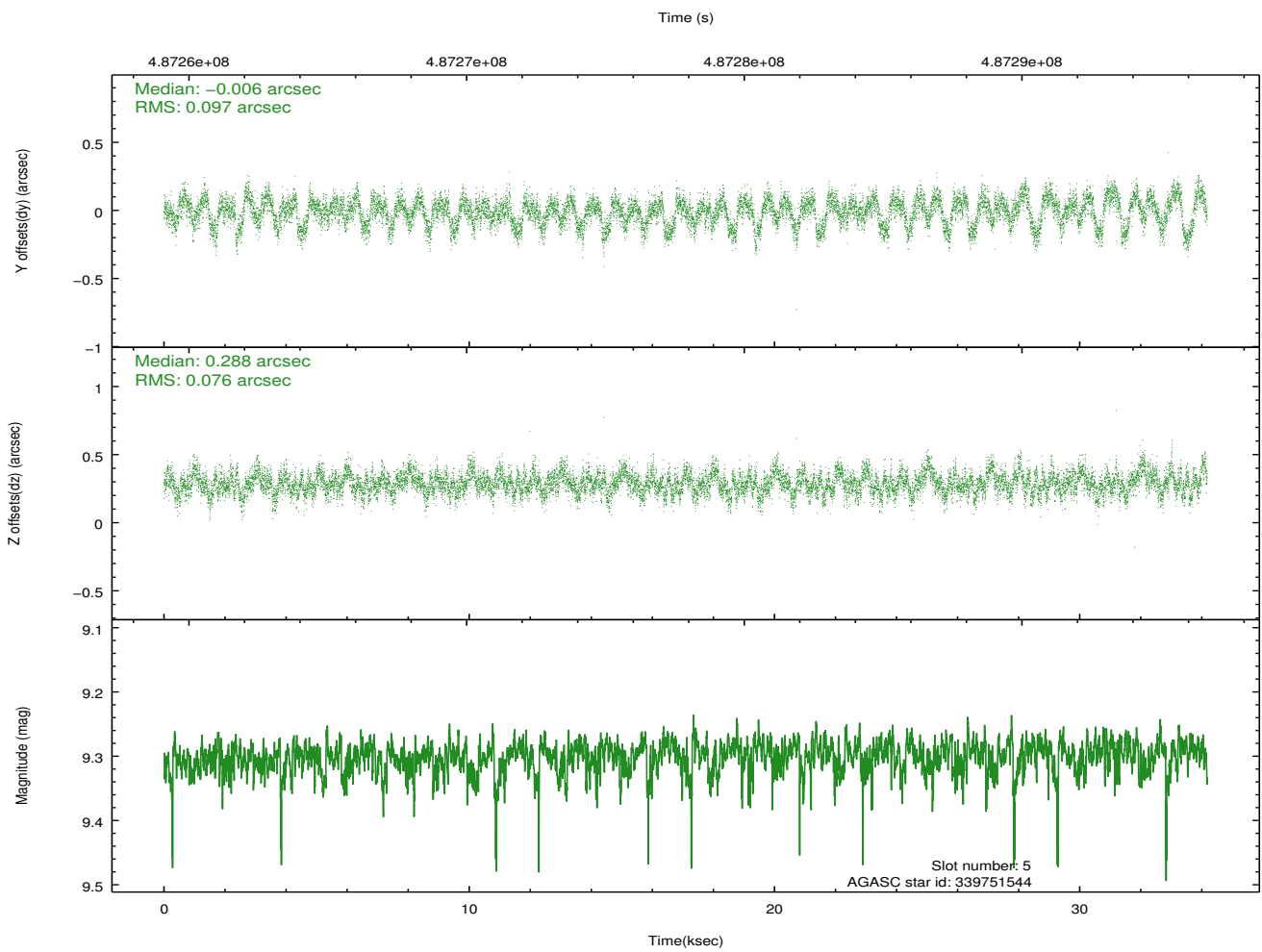
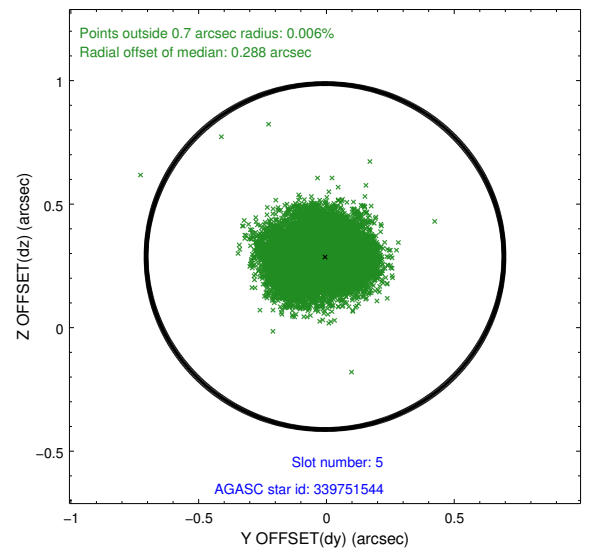
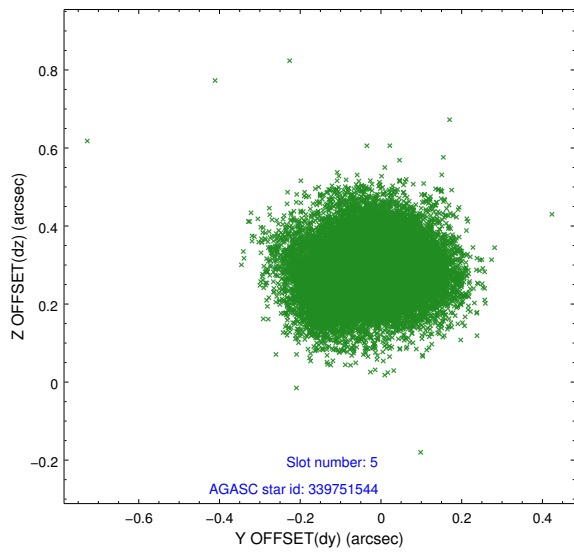
2.4.1 Slot 3



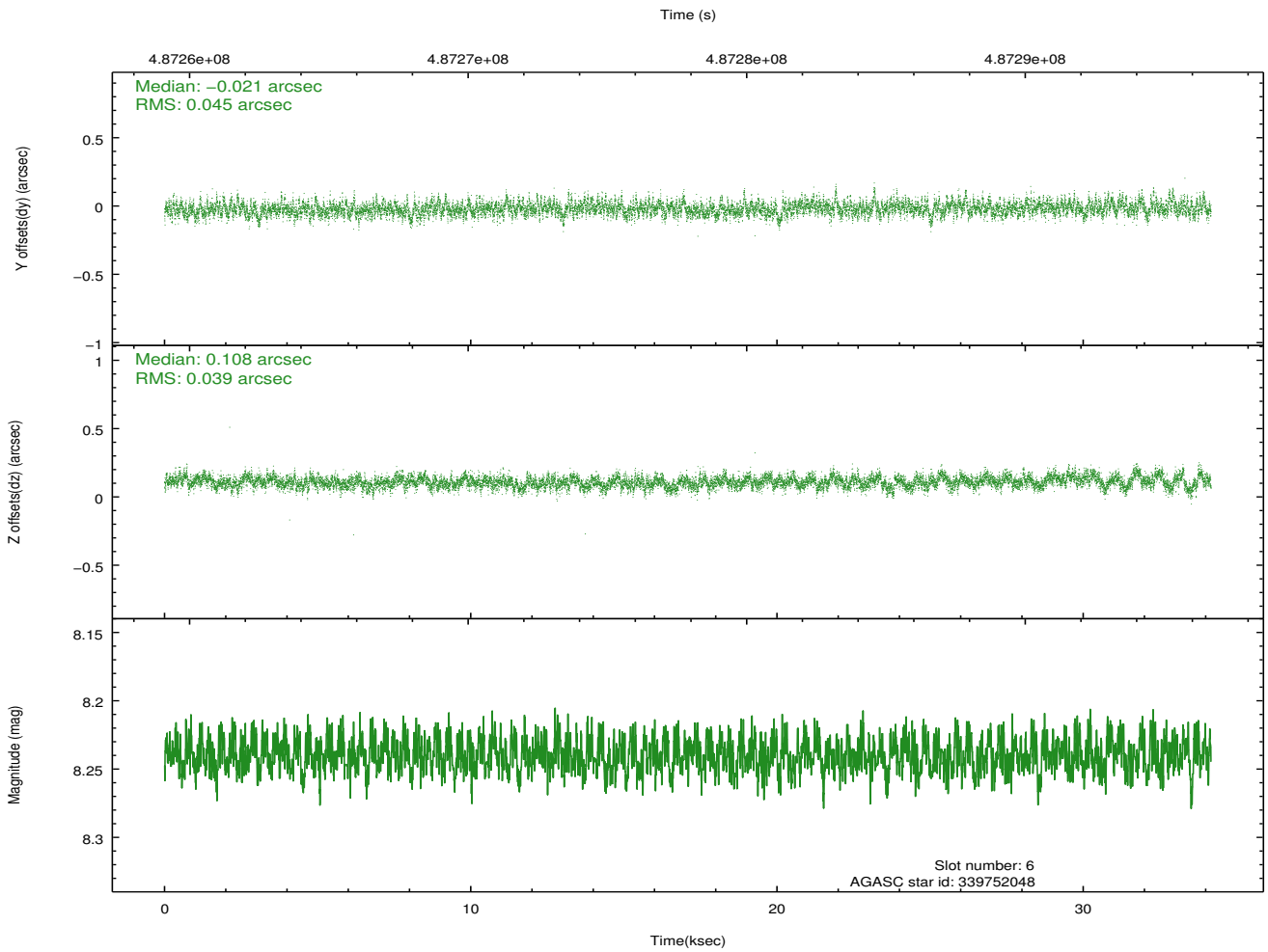
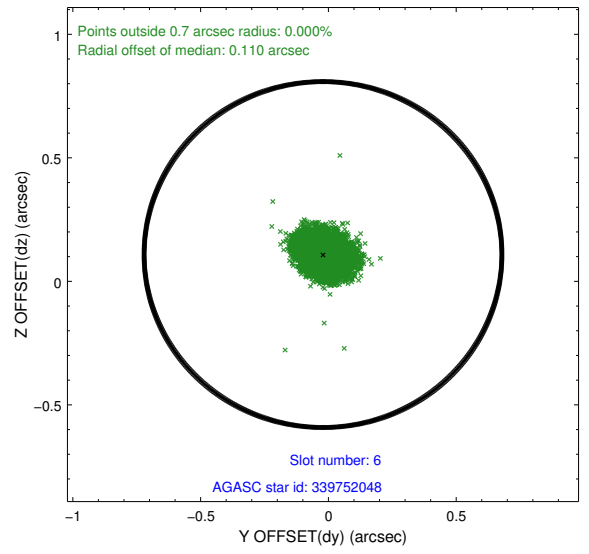
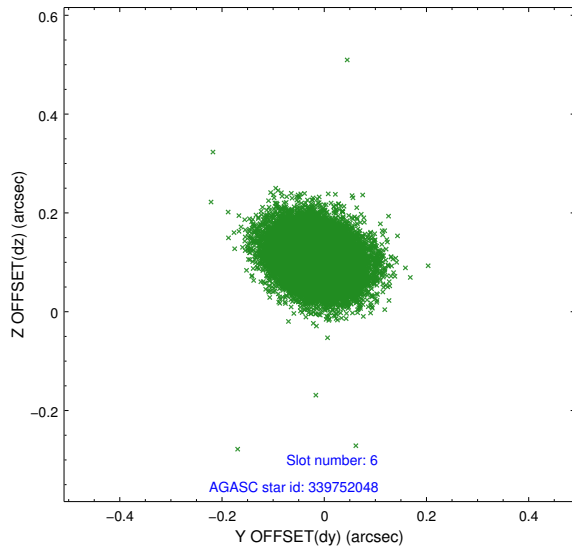
2.4.2 Slot 4



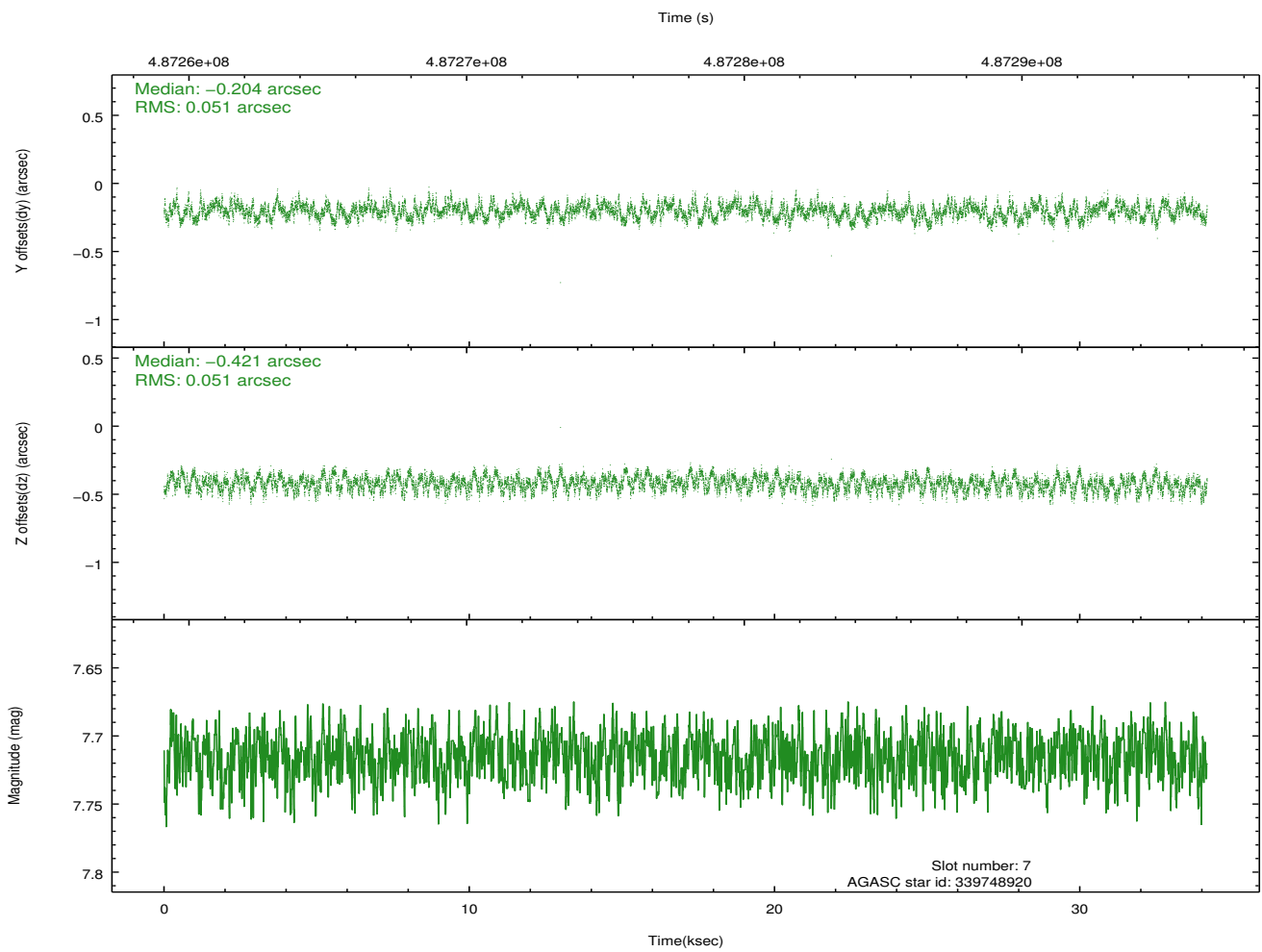
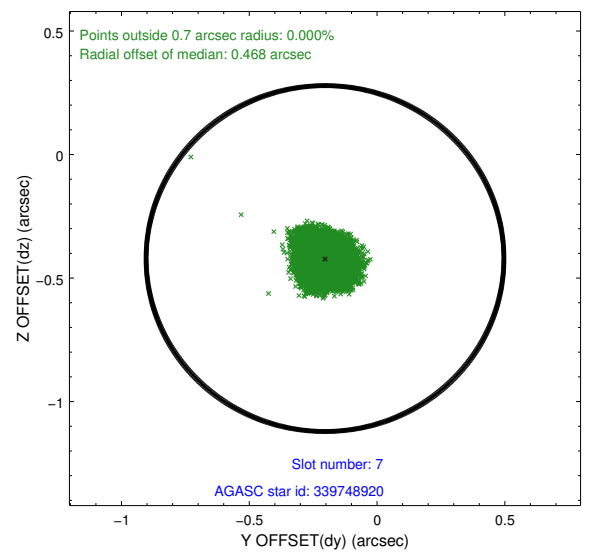
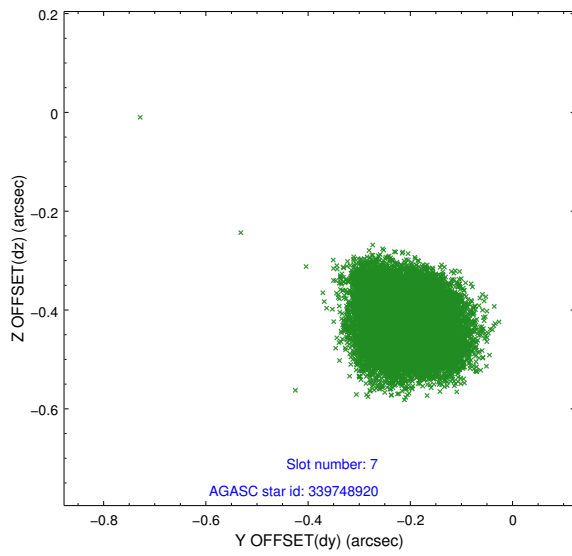
2.4.3 Slot 5



2.4.4 Slot 6

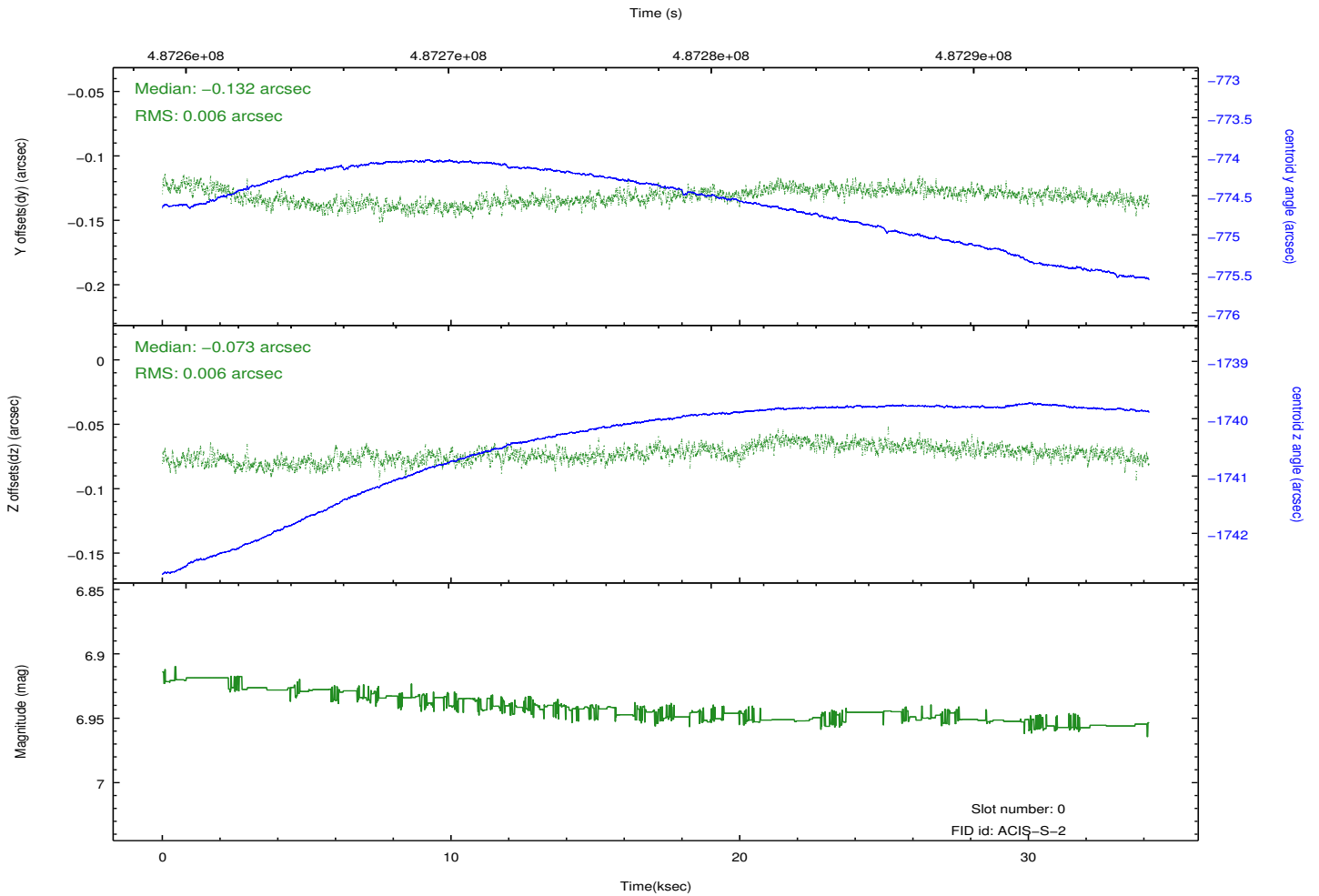
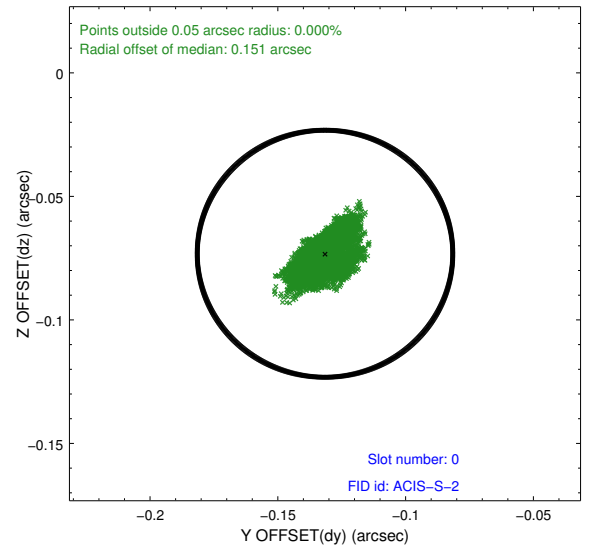
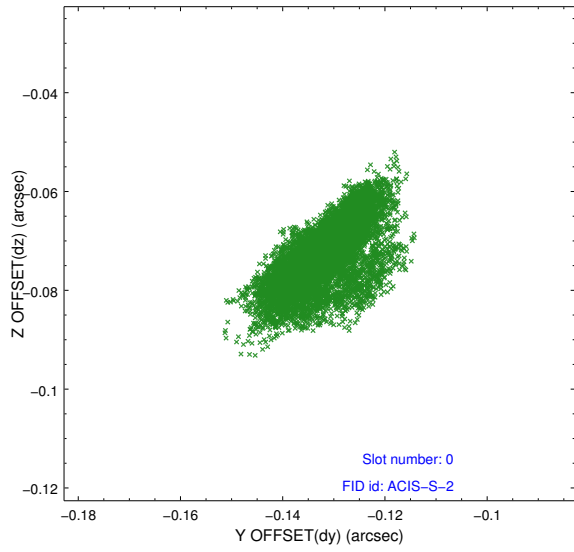


2.4.5 Slot 7

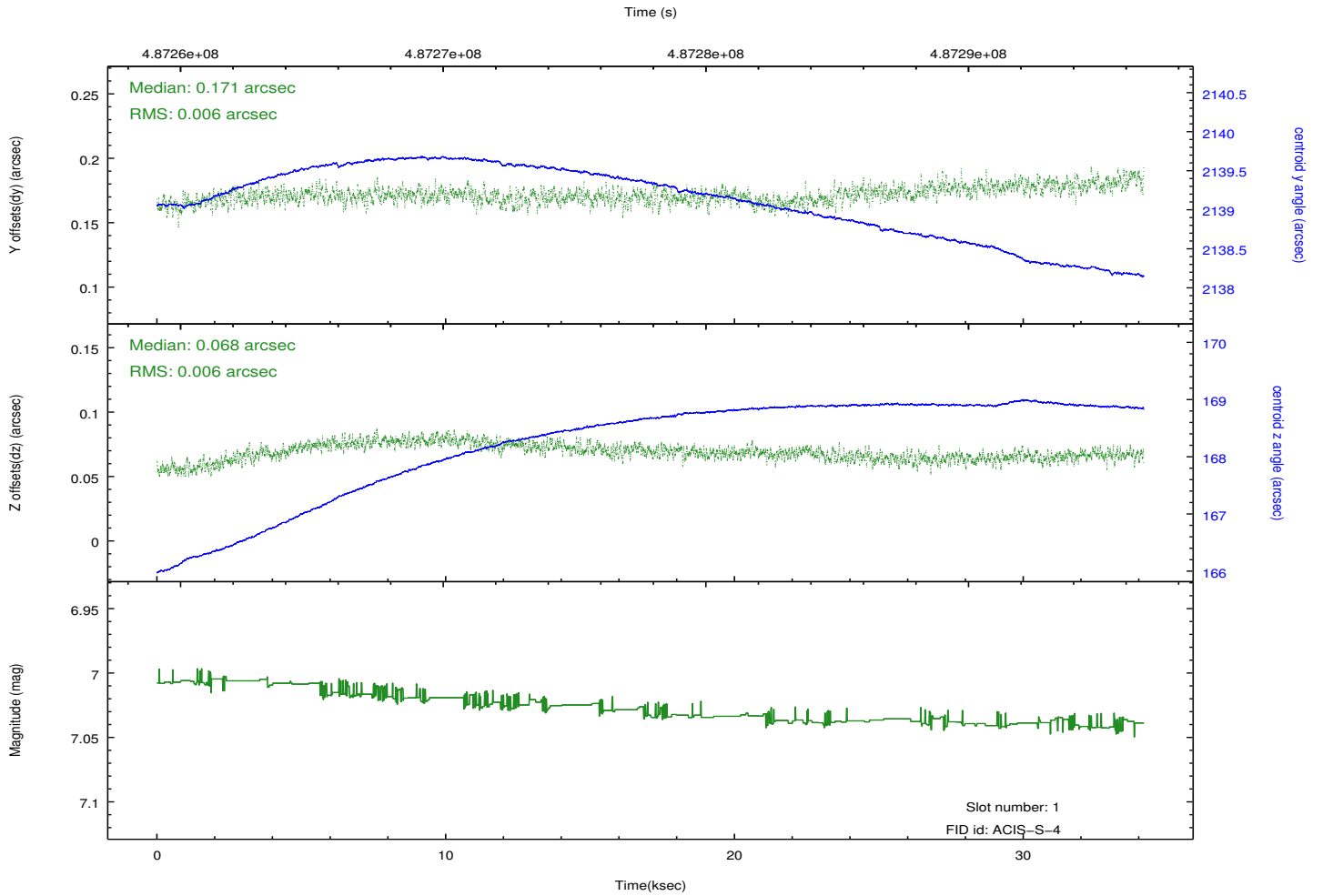
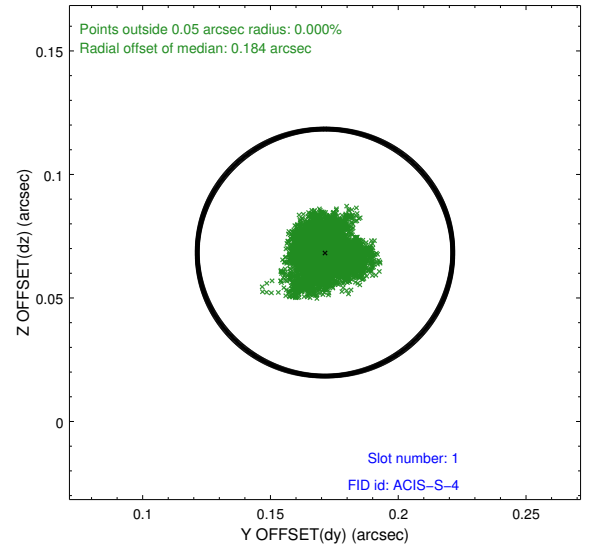
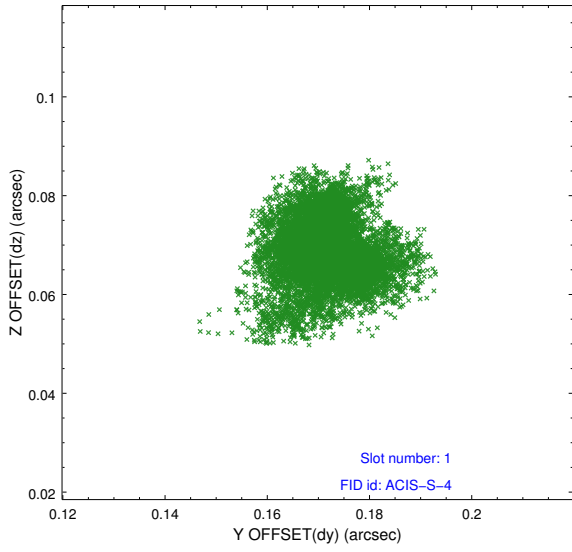


2.5 FID Slots

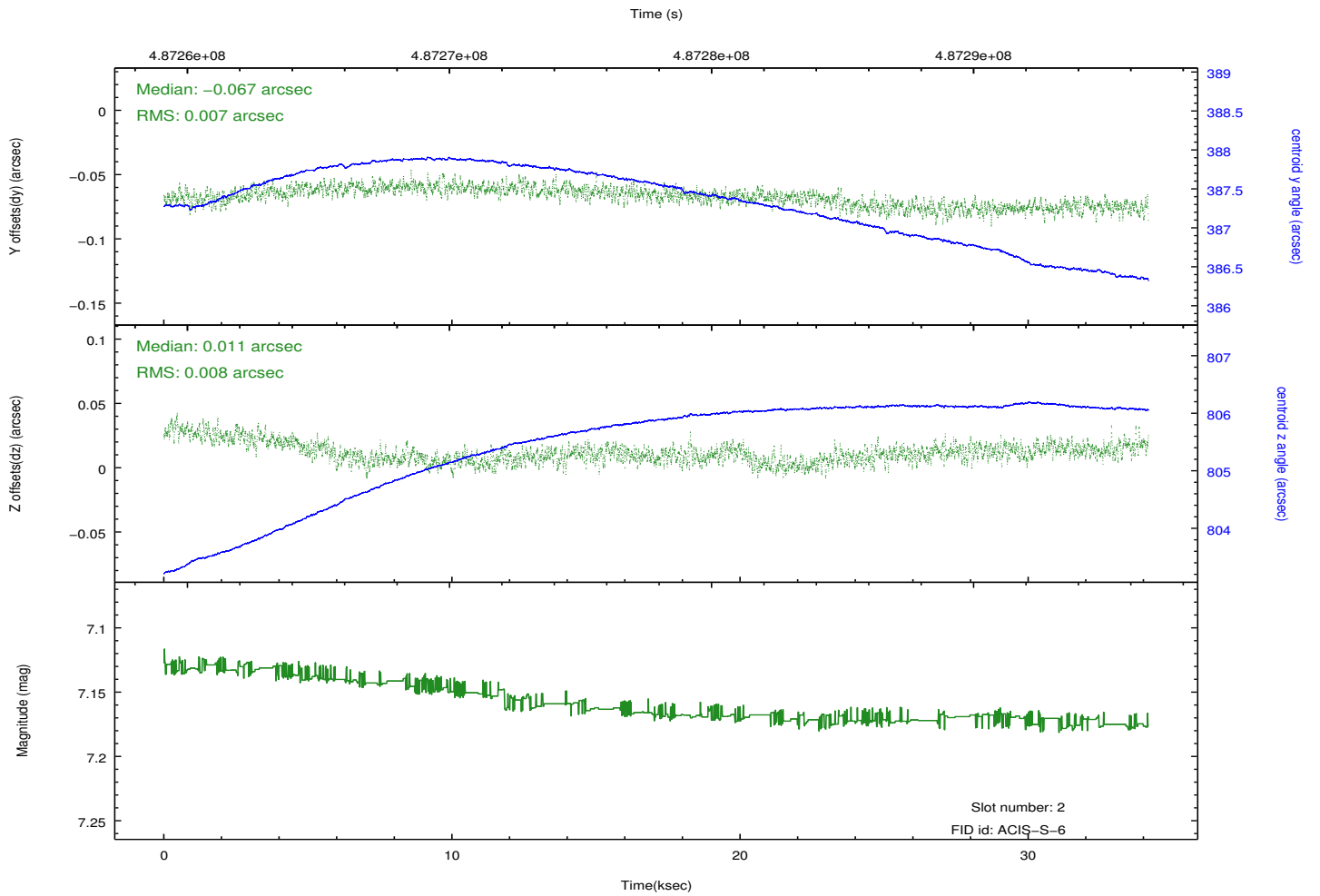
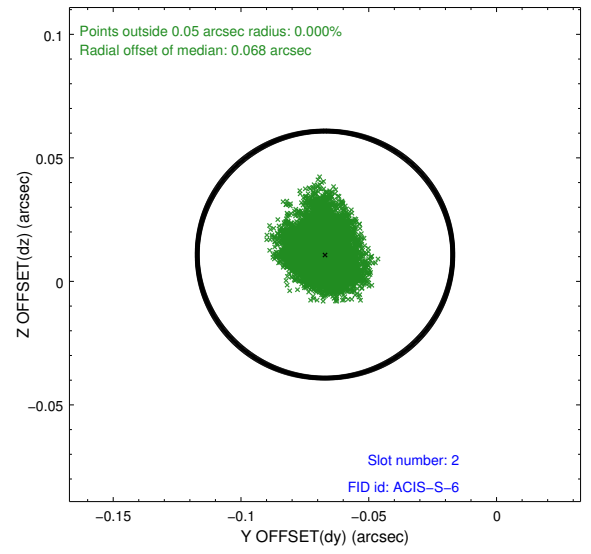
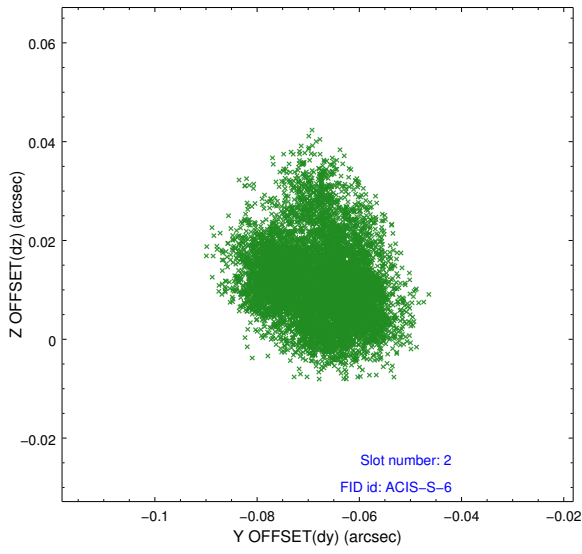
2.5.1 Slot 0



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)	2014.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.092

A.2 Comments