

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17044 - L2 Version 1
Chandra X-Ray Center

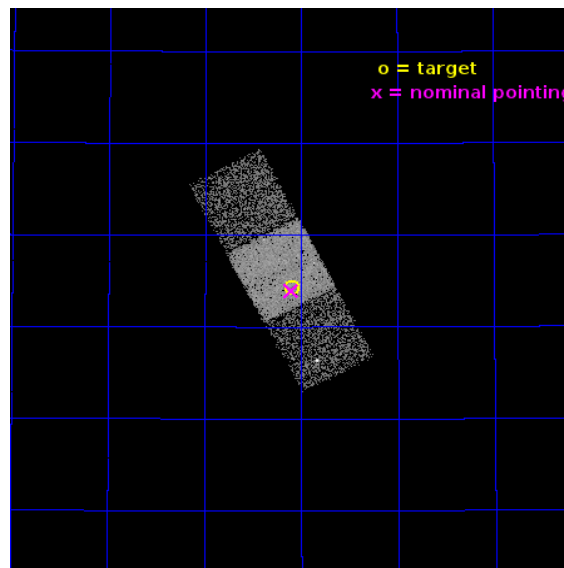
L2 Processing Date : Aug 5 2015

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1 Front

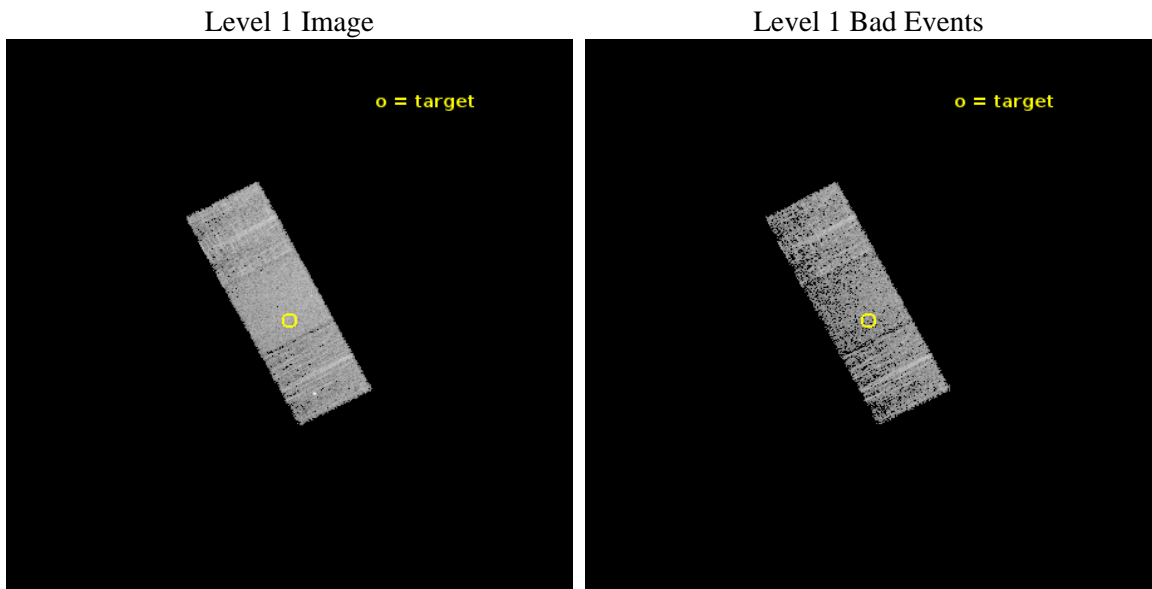
seq_num	703048	Sequence number
obs_id	17044	Observation id
title	The Nature of Quasars with Redshifted Broad Absorption Lines	Propo
observer	Prof. William Brandt	Principal investigator
object	SDSS J1628+4744	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	247.024167	Observer's specified target RA [deg]
dec_targ	47.737667	Observer's specified target Dec [deg]
ra_nom	247.02575919347	Nominal RA [deg]
dec_nom	47.732322712714	Nominal Dec [deg]
roll_nom	242.22890395377	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4915.2264504433	Sum of GTIs [s]
livetime	4851.0053983312	Livetime [s]
ontime6	4915.1854104996	Sum of GTIs [s]
ontime7	4915.2264504433	Sum of GTIs [s]
ontime8	4915.1443704367	Sum of GTIs [s]
l2events	20871	Number of level 2 events



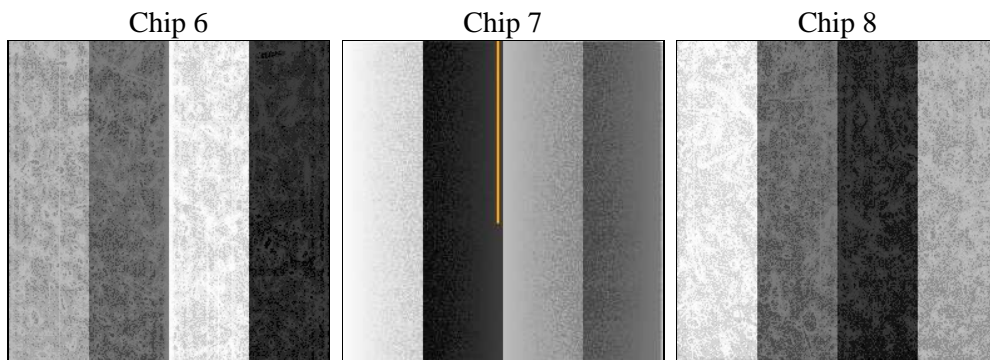
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4800.000000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	4915.2264504433	Sum of GTIs [s]
caldsver	4.6.8	 	ontime6	4915.1854104996	Sum of GTIs [s]
date	2015-08-05T16:36:23	Date and time of file creation	ontime7	4915.2264504433	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	4915.1443704367	Sum of GTIs [s]
			l1events	95828	Number of level 1 events

2.1.4 Events

	ccd 6	ccd 7	ccd 8
level 1 events	27090	34862	33876
rejected events	23445	19930	25644
rejected %	86%	57%	75%

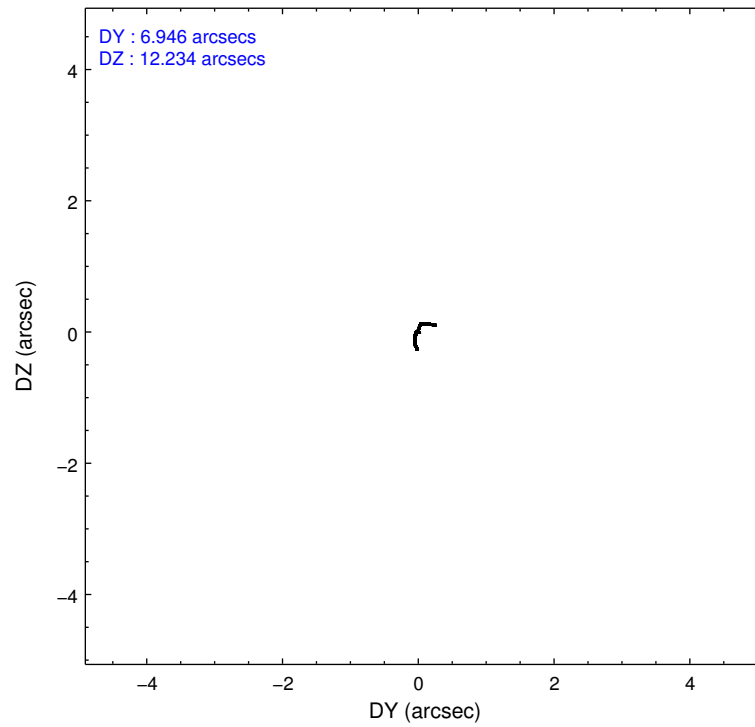
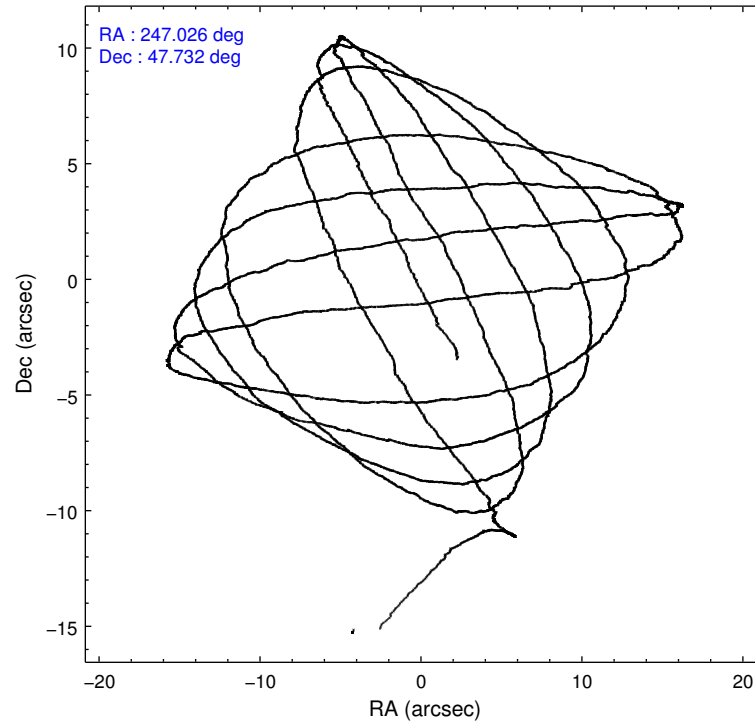
	ccd 6	ccd 7	ccd 8
grade 0 events	1419	1264	2310
	5%	3%	6%
grade 1 events	14	30	21
	0%	0%	0%
grade 2 events	816	3089	1987
	3%	8%	5%
grade 3 events	306	1172	852
	1%	3%	2%
grade 4 events	302	1122	784
	1%	3%	2%
grade 5 events	1243	3462	1887
	4%	9%	5%
grade 6 events	805	8291	2303
	2%	23%	6%
grade 7 events	22185	16432	23732
	81%	47%	70%

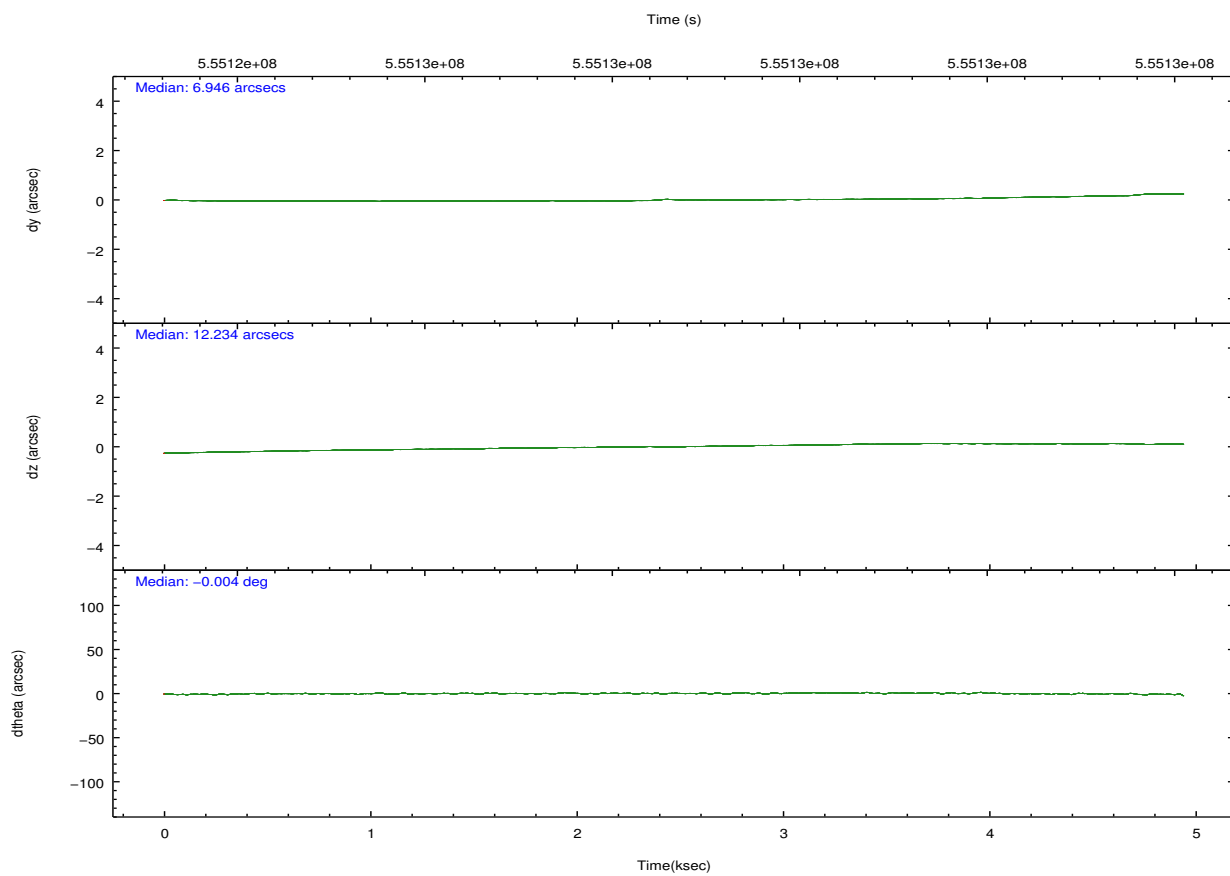
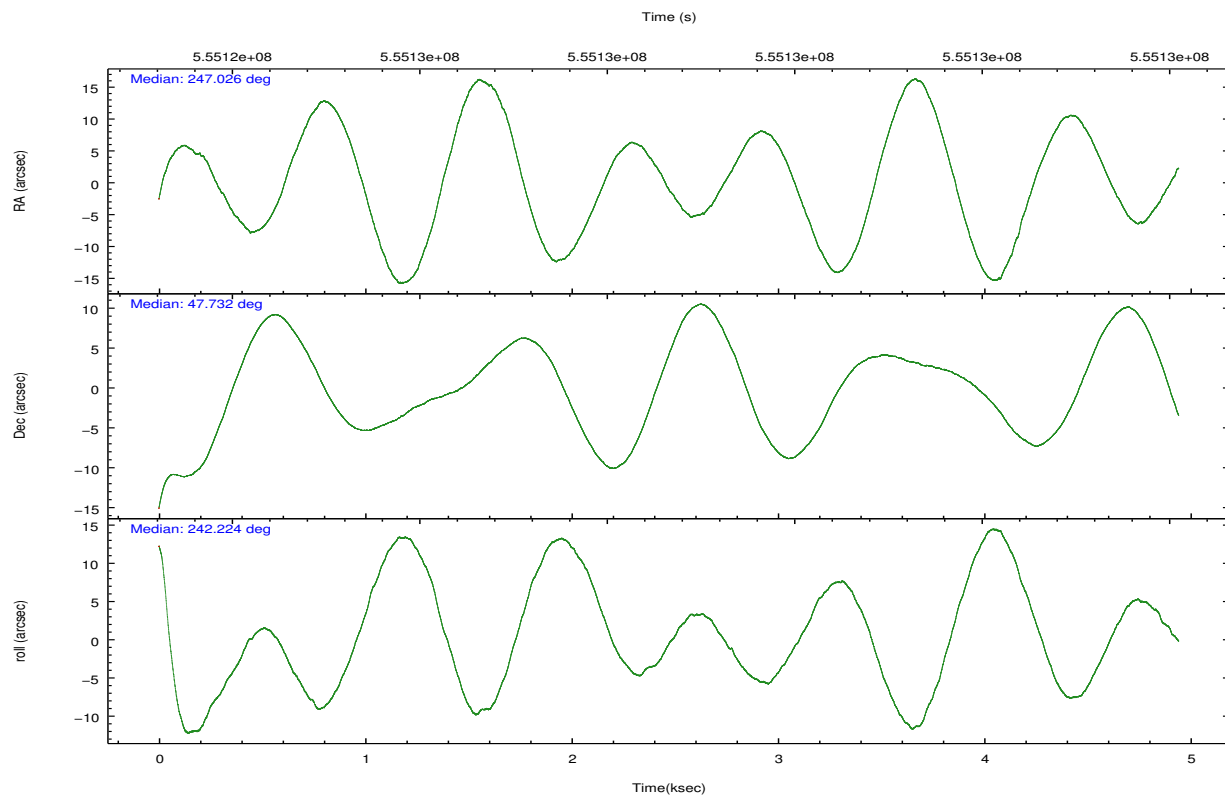
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-678	ACIS-678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	247.023624	247.0257591934733
[deg] Pointing Dec	47.759745	47.73232271271425
[deg] Pointing Roll	242.073816	242.2289039537715
[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)	555125003.184000	555123288.02298
Observation start date	2015-08-05T01:22:15	2015-08-05T00:54:48
[s] Observation end time (MET)	555129803.184000	555130459.4358799
Observation end date	2015-08-05T02:42:15	2015-08-05T02:54:19
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



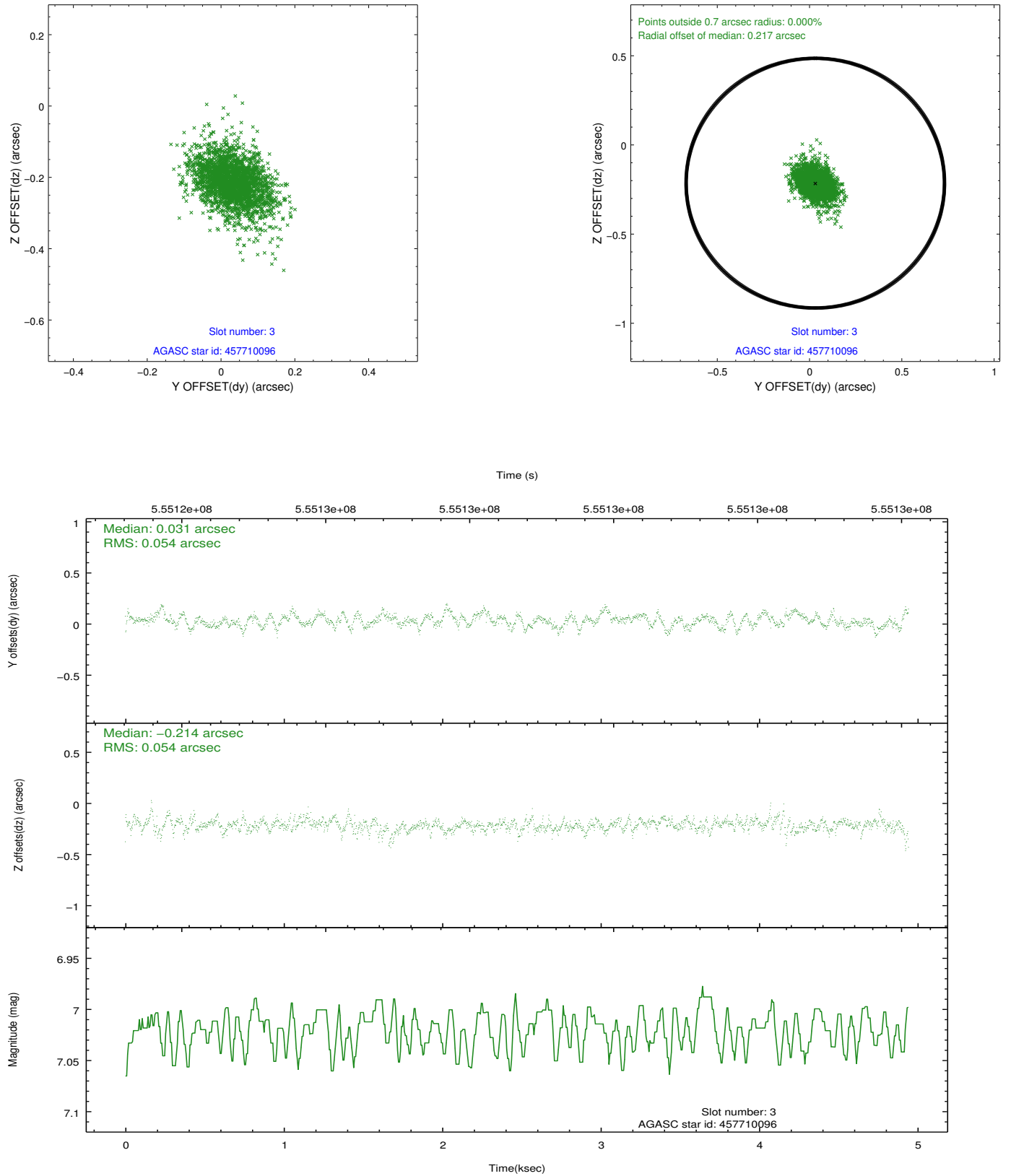


Slot Statistics

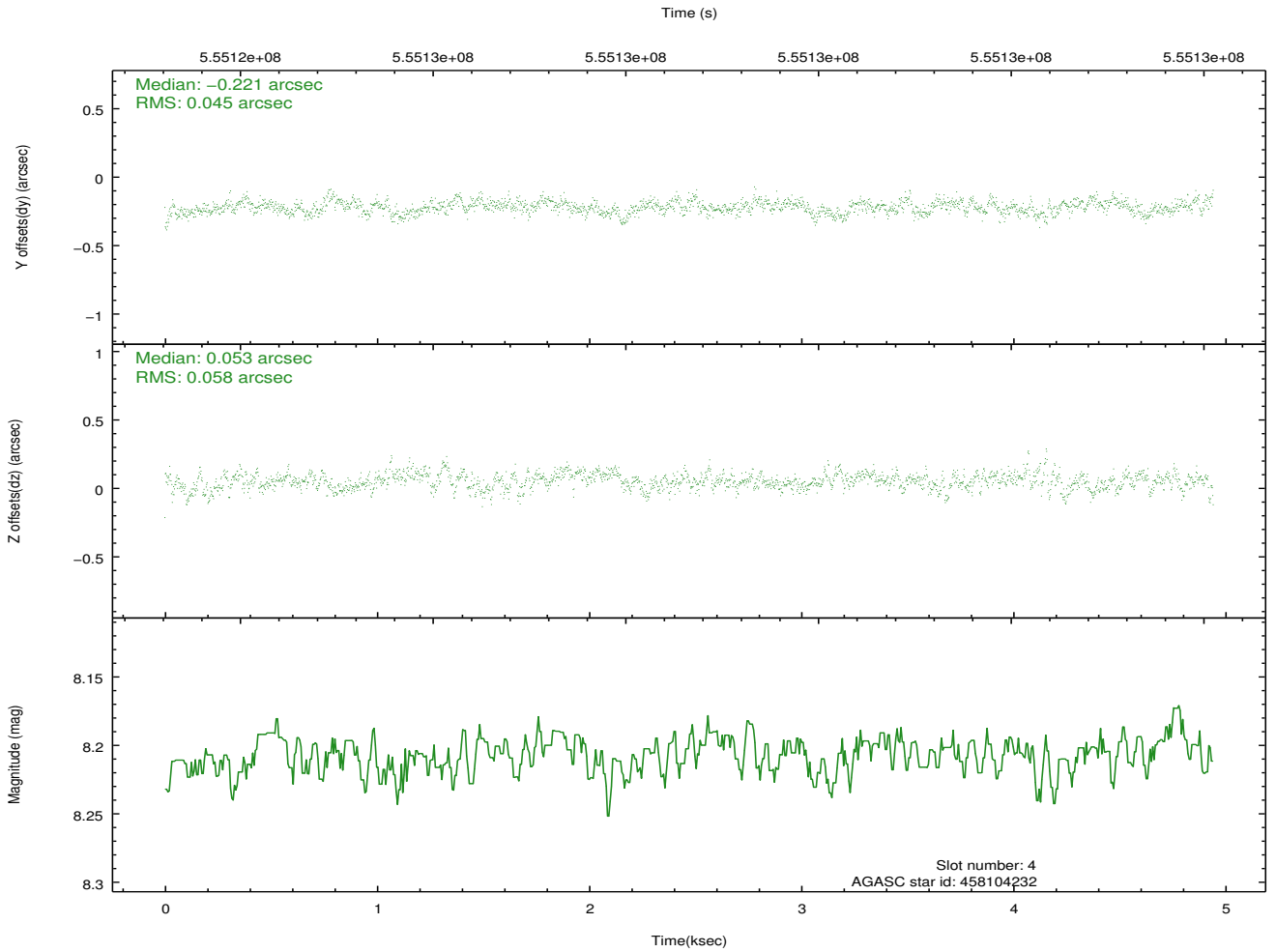
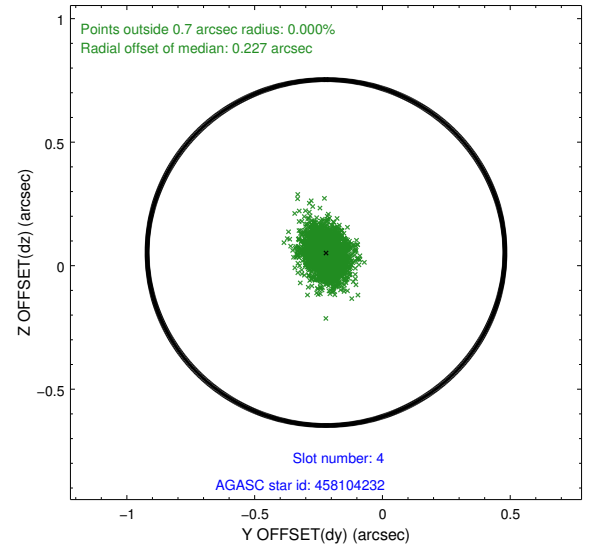
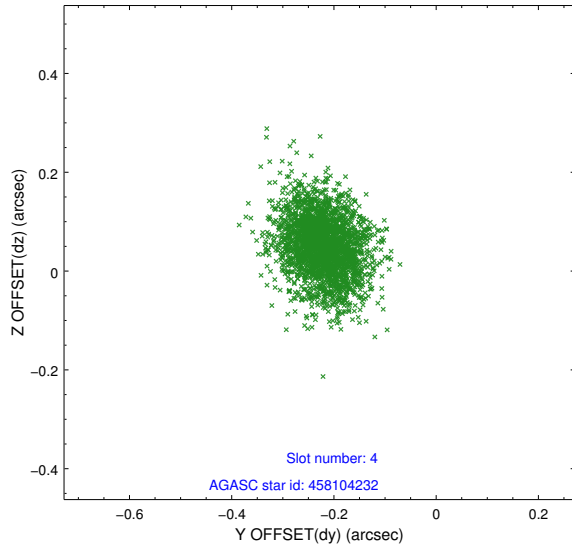
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.11	1206	-0.062	-0.052	0.008	0.013	0.000000	0.000000	-759.79	-1733.53
1	FID		ACIS-S-4	7.21	1206	0.194	0.044	0.005	0.010	0.000000	0.000000	2153.20	173.76
2	FID		ACIS-S-5	7.24	1206	-0.163	0.017	0.008	0.013	0.000000	0.000000	-1811.13	168.83
3	GUIDE	used	457710096	7.02	2412	0.031	-0.214	0.079	0.136	246.891112	47.341705	1481.31	419.47
4	GUIDE	used	458104232	8.21	2412	-0.221	0.053	0.076	0.128	247.246726	48.219171	-1712.09	-301.80
5	GUIDE	used	458105792	8.60	2412	0.165	0.111	0.095	0.156	246.293949	48.228953	-680.49	-2340.89
6	GUIDE	used	458106176	9.02	2411	0.134	0.136	0.097	0.158	246.724943	48.518913	-2083.03	-1910.90
7	GUIDE	used	459022208	7.08	2411	-0.113	-0.078	0.086	0.145	247.562323	47.952380	-1221.45	820.74

2.4 Star Slots

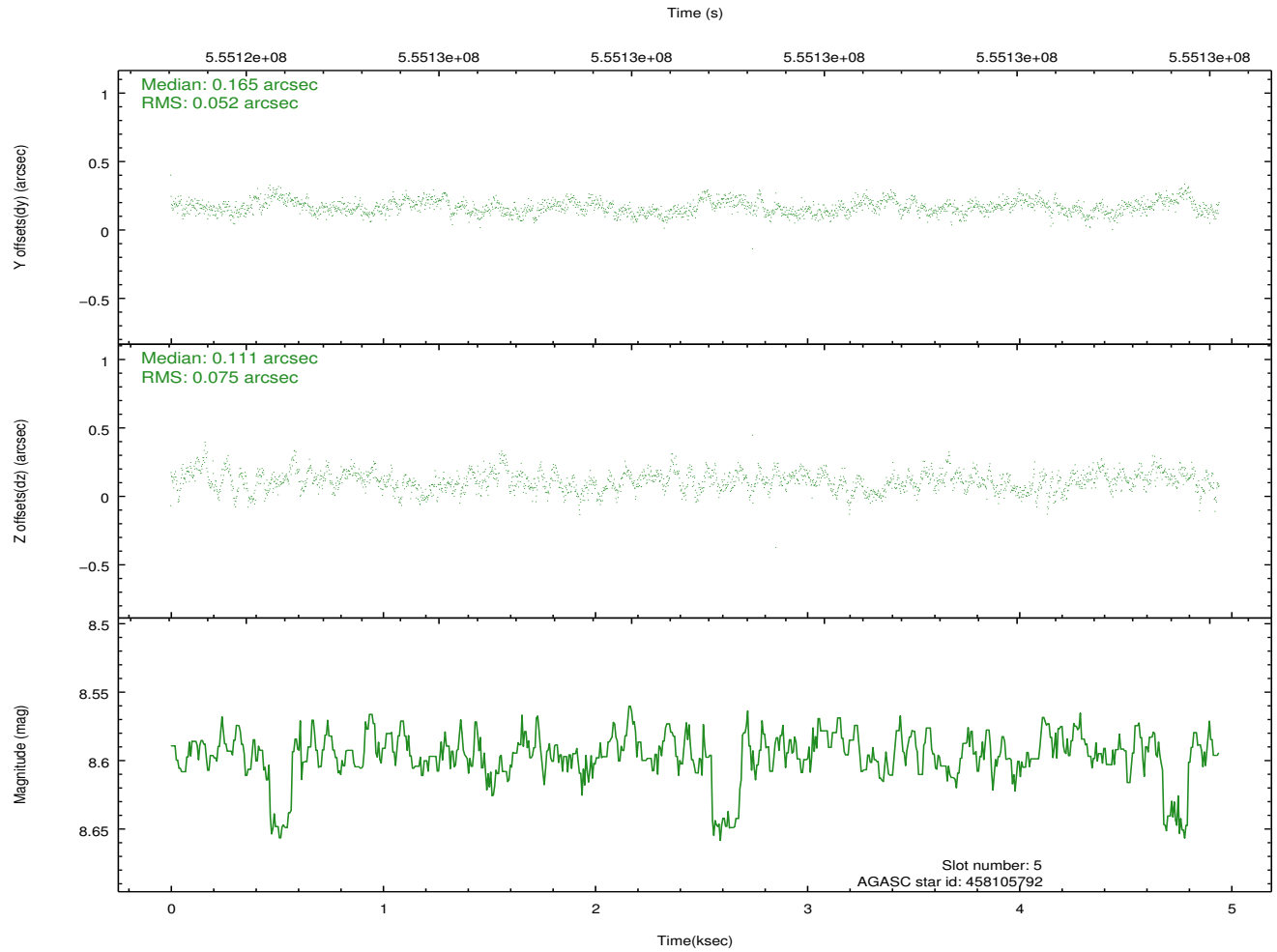
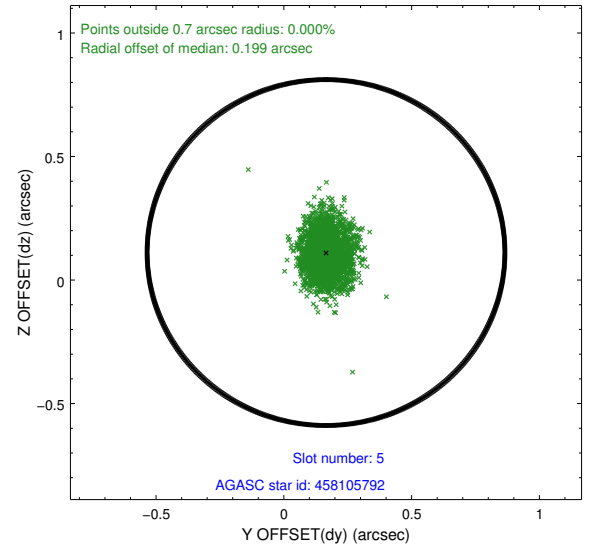
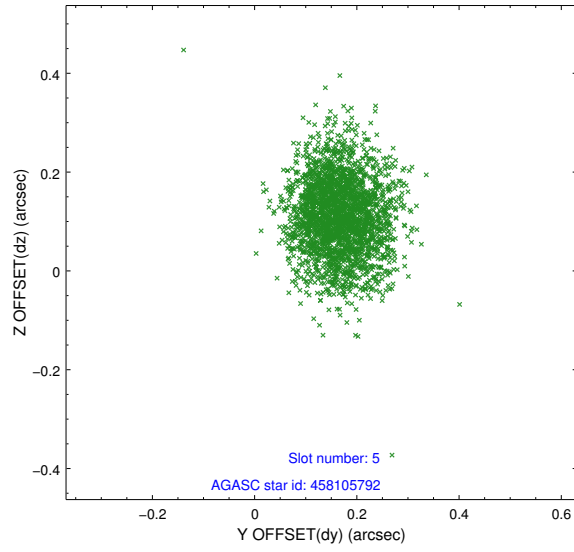
2.4.1 Slot 3



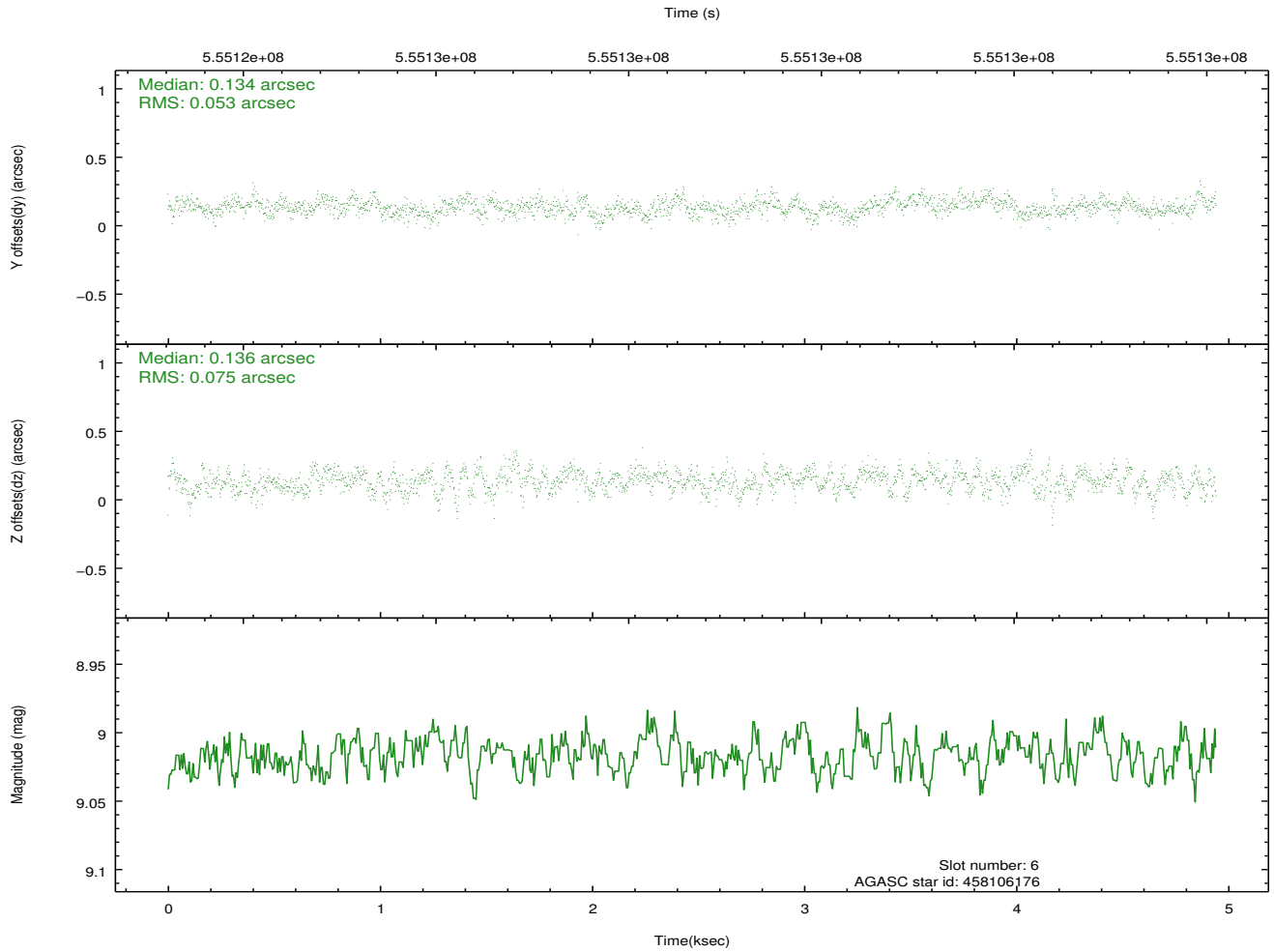
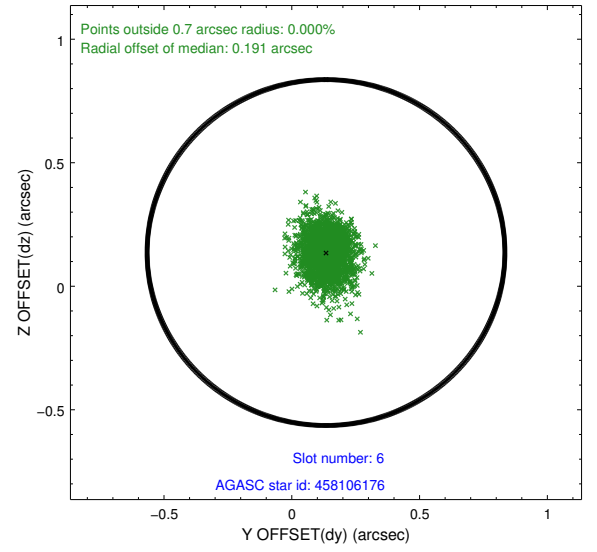
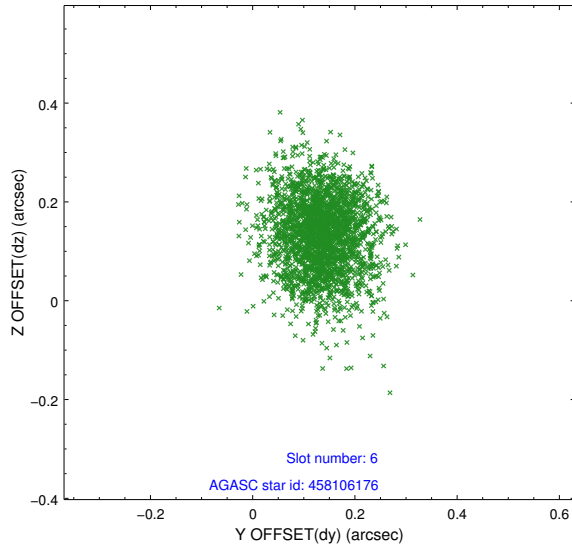
2.4.2 Slot 4



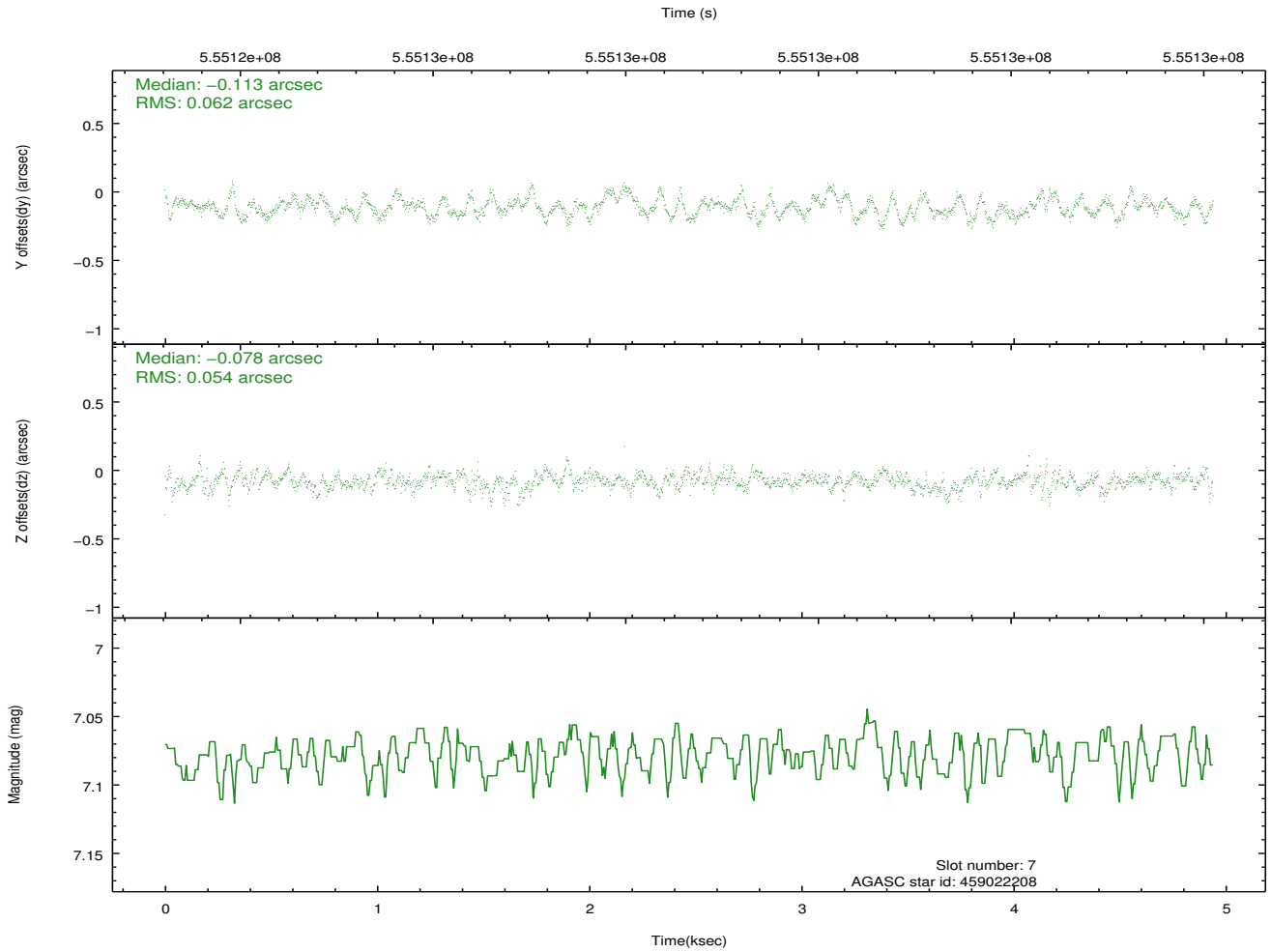
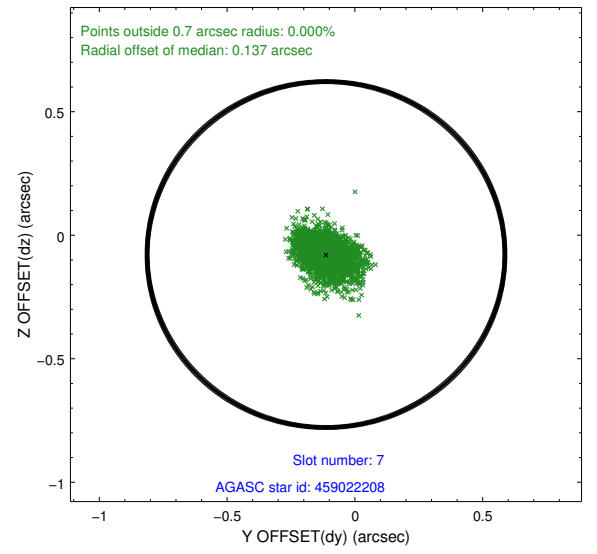
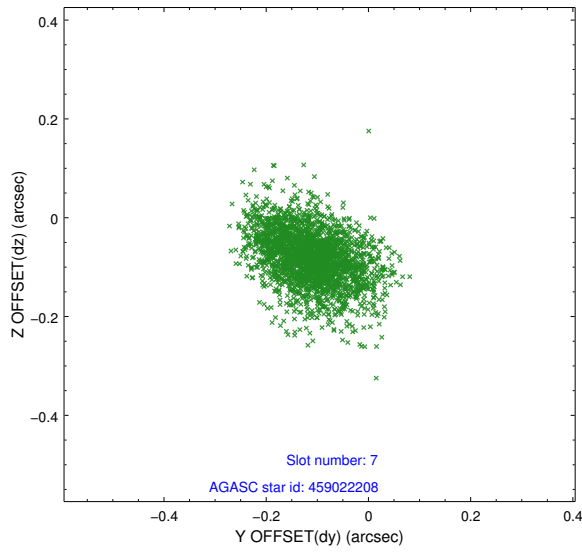
2.4.3 Slot 5



2.4.4 Slot 6

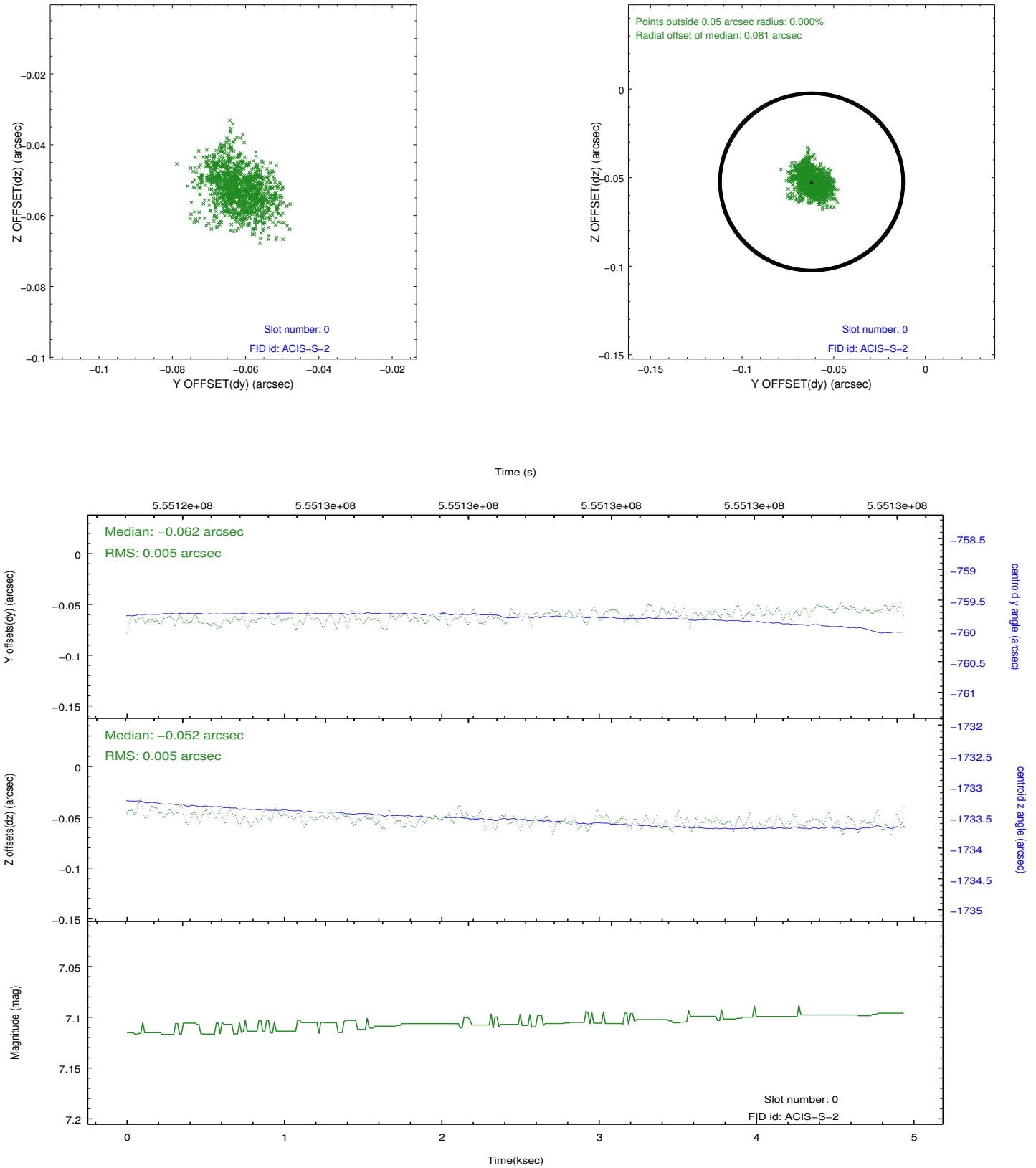


2.4.5 Slot 7

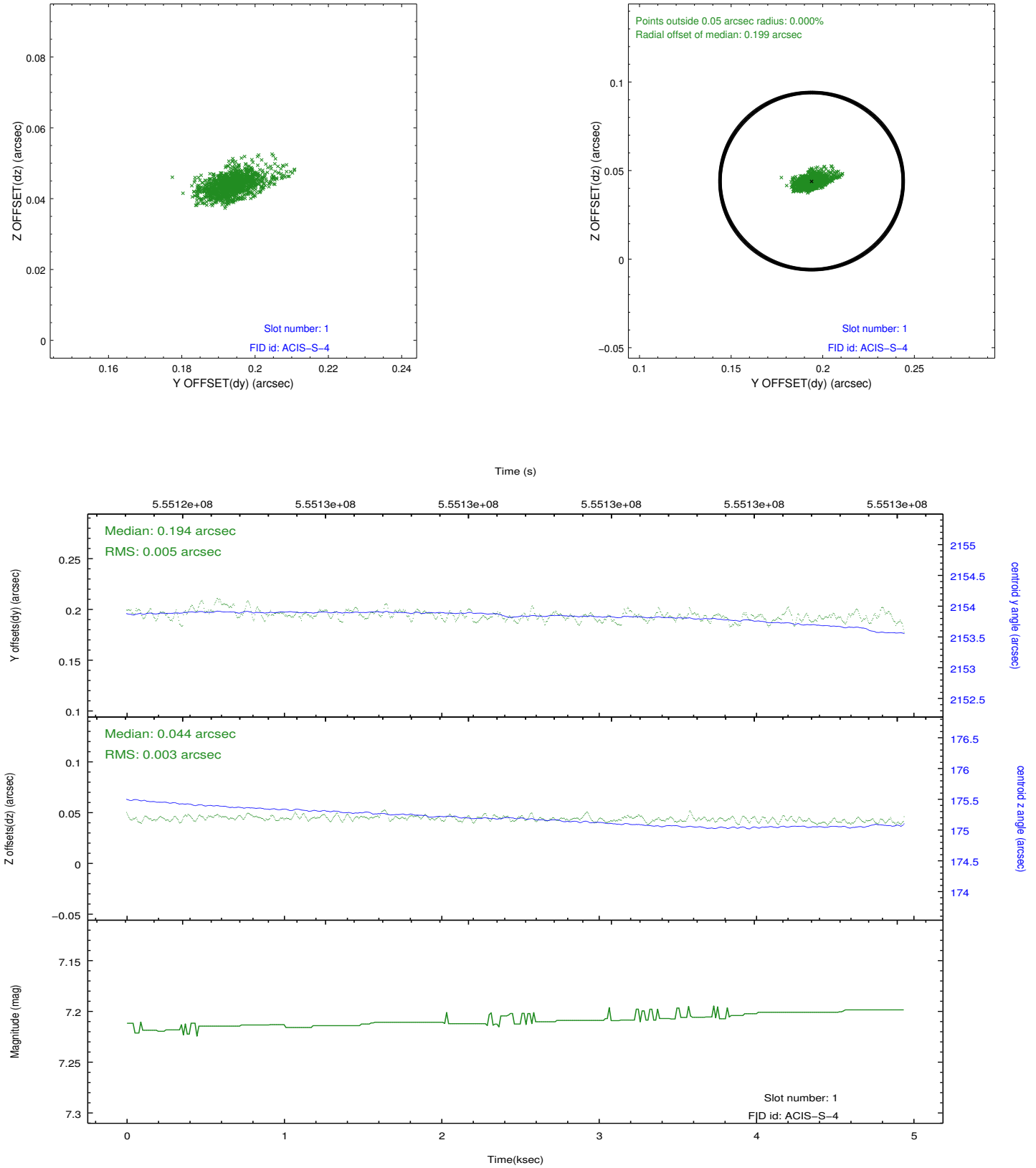


2.5 FID Slots

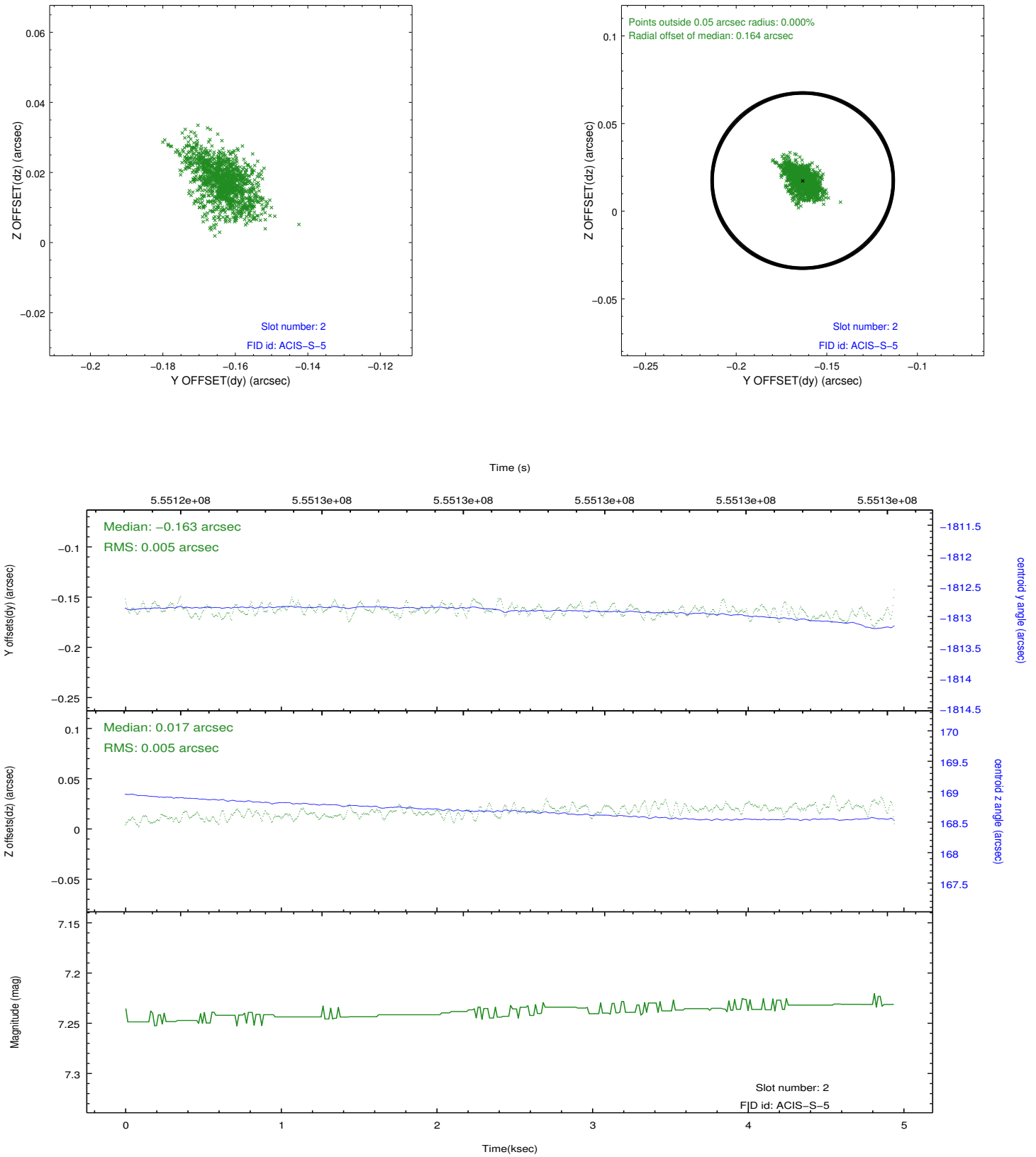
2.5.1 Slot 0



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)	2015.08.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9152264504433

A.2 Comments