

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 13314 - L2 Version 1
Chandra X-Ray Center

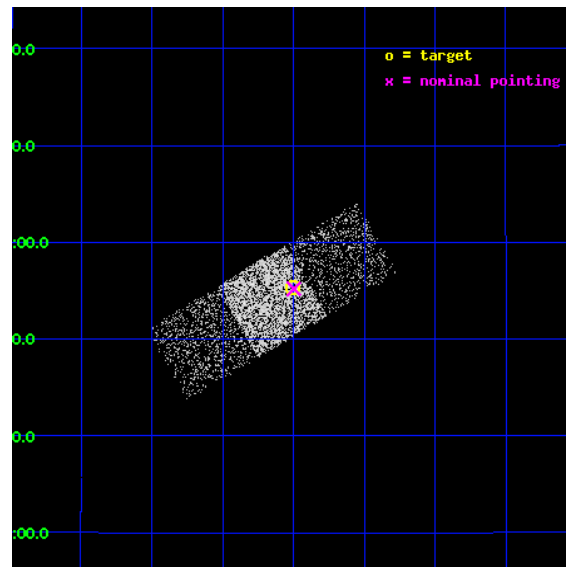
L2 Processing Date : May 2 2012

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1 Front

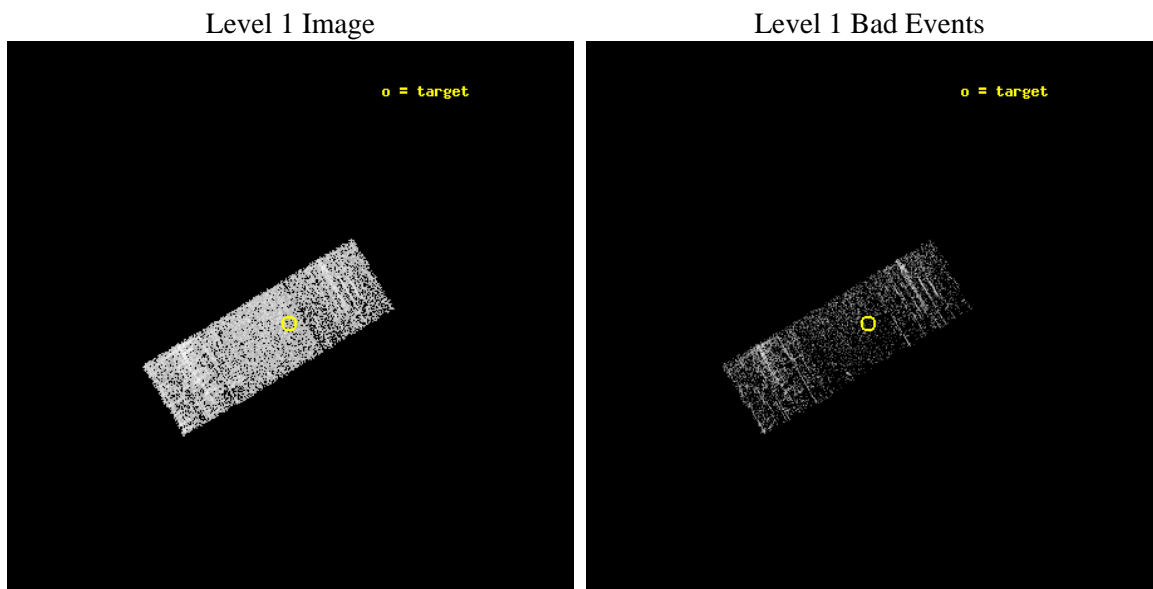
seq_num	702521	Sequence number
obs_id	13314	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1538+0855	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	234.627083	Observer's specified target RA [deg]
dec_targ	8.921389	Observer's specified target Dec [deg]
ra_nom	234.62424273542	Nominal RA [deg]
dec_nom	8.9198799702701	Nominal Dec [deg]
roll_nom	149.02430188144	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1577.9000121355	Sum of GTIs [s]
livetime	1557.2835868439	Livetime [s]
ontime6	1577.9000121355	Sum of GTIs [s]
ontime7	1577.9000121355	Sum of GTIs [s]
ontime8	1574.7589817643	Sum of GTIs [s]
l2events	6663	Number of level 2 events



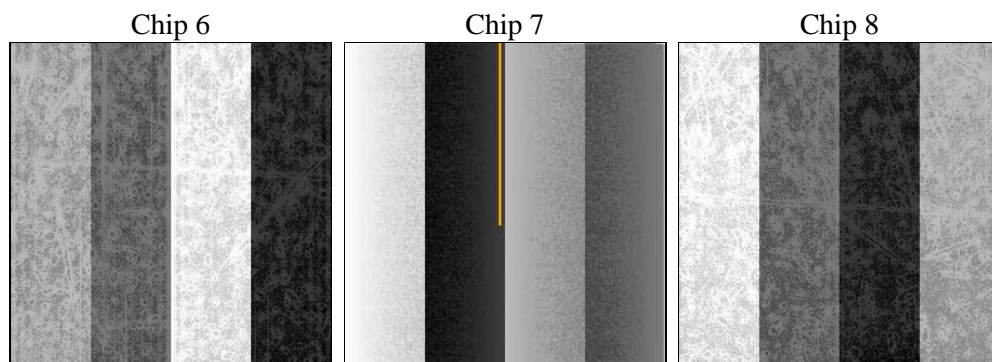
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1577.9000121355	Sum of GTIs [s]
caldbver	4.4.9	 	ontime6	1577.9000121355	Sum of GTIs [s]
date	2012-05-03T03:07:24	Date and time of file creation	ontime7	1577.9000121355	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1574.7589817643	Sum of GTIs [s]
			l1events	30491	Number of level 1 events

2.1.4 Events

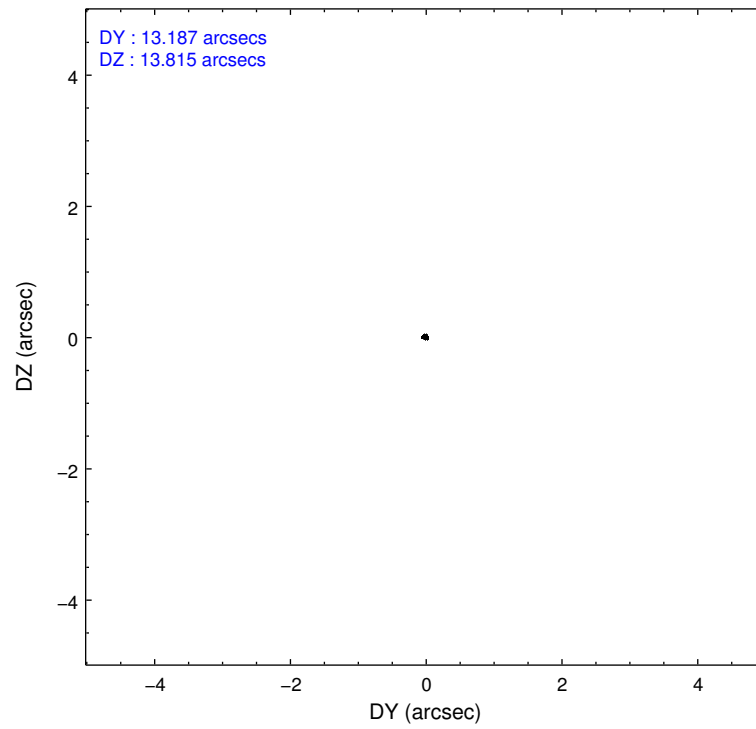
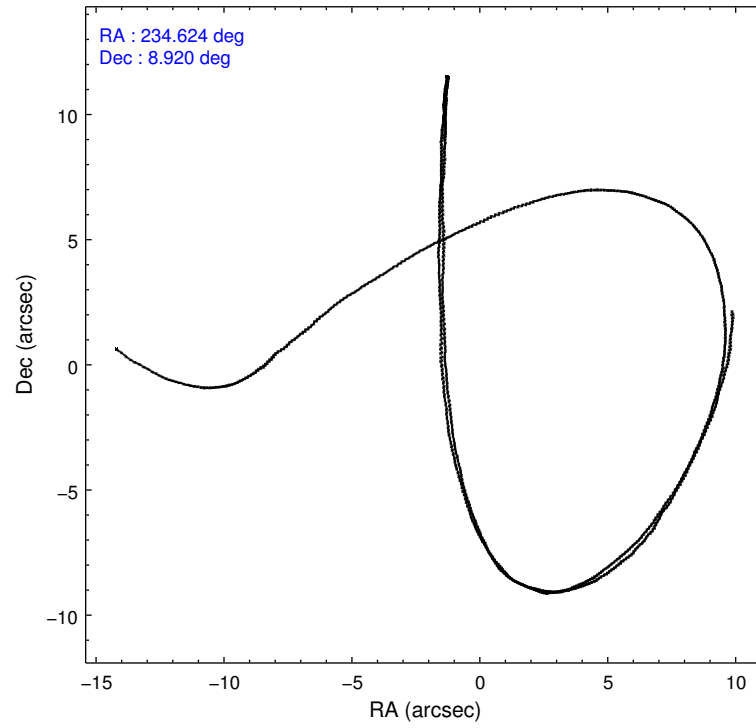
	ccd 6	ccd 7	ccd 8
level 1 events	8376	9896	12219
rejected events	7267	5071	9065
rejected %	86%	51%	74%

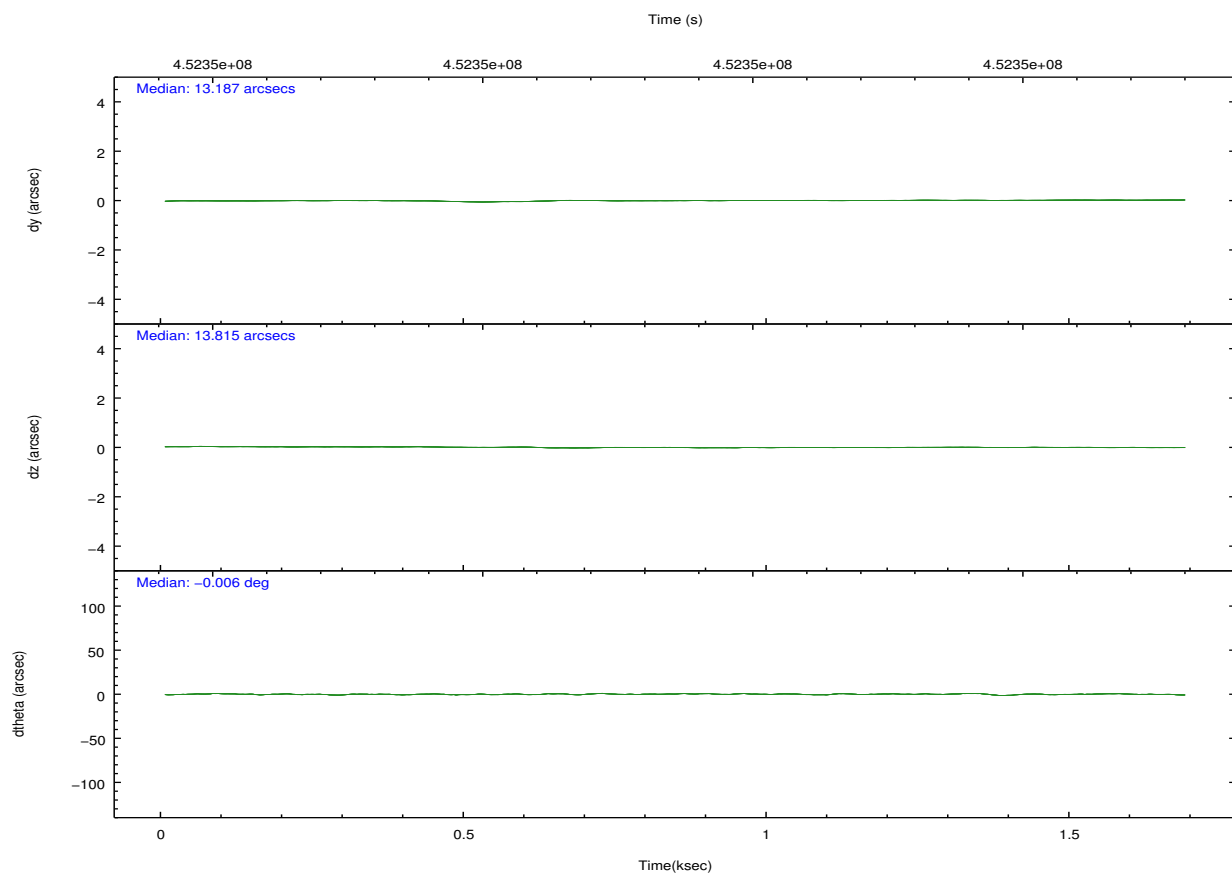
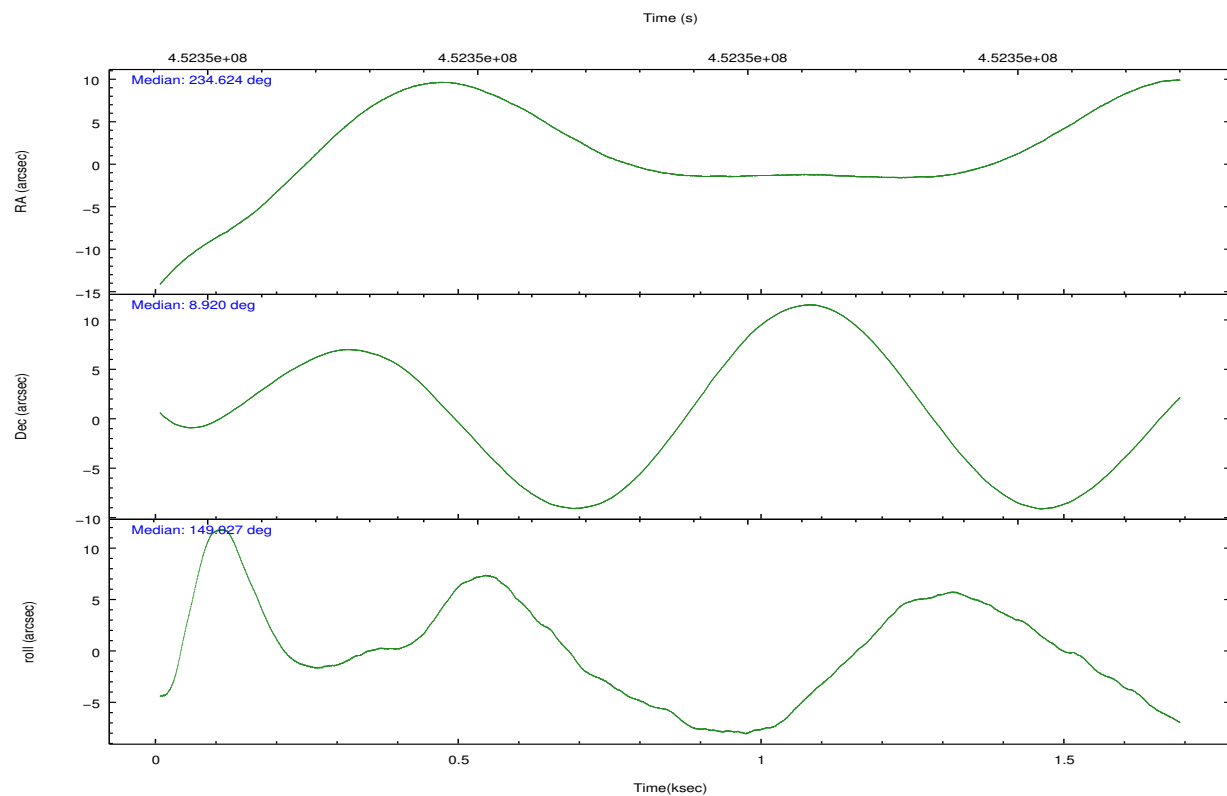
	ccd 6	ccd 7	ccd 8
grade 0 events	420	481	865
	5%	4%	7%
grade 1 events	8	19	11
	0%	0%	0%
grade 2 events	228	1088	743
	2%	10%	6%
grade 3 events	110	411	343
	1%	4%	2%
grade 4 events	102	431	334
	1%	4%	2%
grade 5 events	368	1121	560
	4%	11%	4%
grade 6 events	249	2430	870
	2%	24%	7%
grade 7 events	6891	3915	8493
	82%	39%	69%

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	234.652021	234.6242427354231	Subarray requested	NONE	NONE
[deg] Pointing Dec	8.919944	8.91987997027014	Alternating exposures requested	N	N
[deg] Pointing Roll	148.863419	149.0243018814396	[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)	452347200.184000	452346012.20636			
Observation start date	2012-05-02T11:58:54	2012-05-02T11:40:12			
[s] Observation end time (MET)	452348700.184000	452349689.39406			
Observation end date	2012-05-02T12:23:54	2012-05-02T12:41:29			
Read mode	TIMED	TIMED			

2.3 Aspect



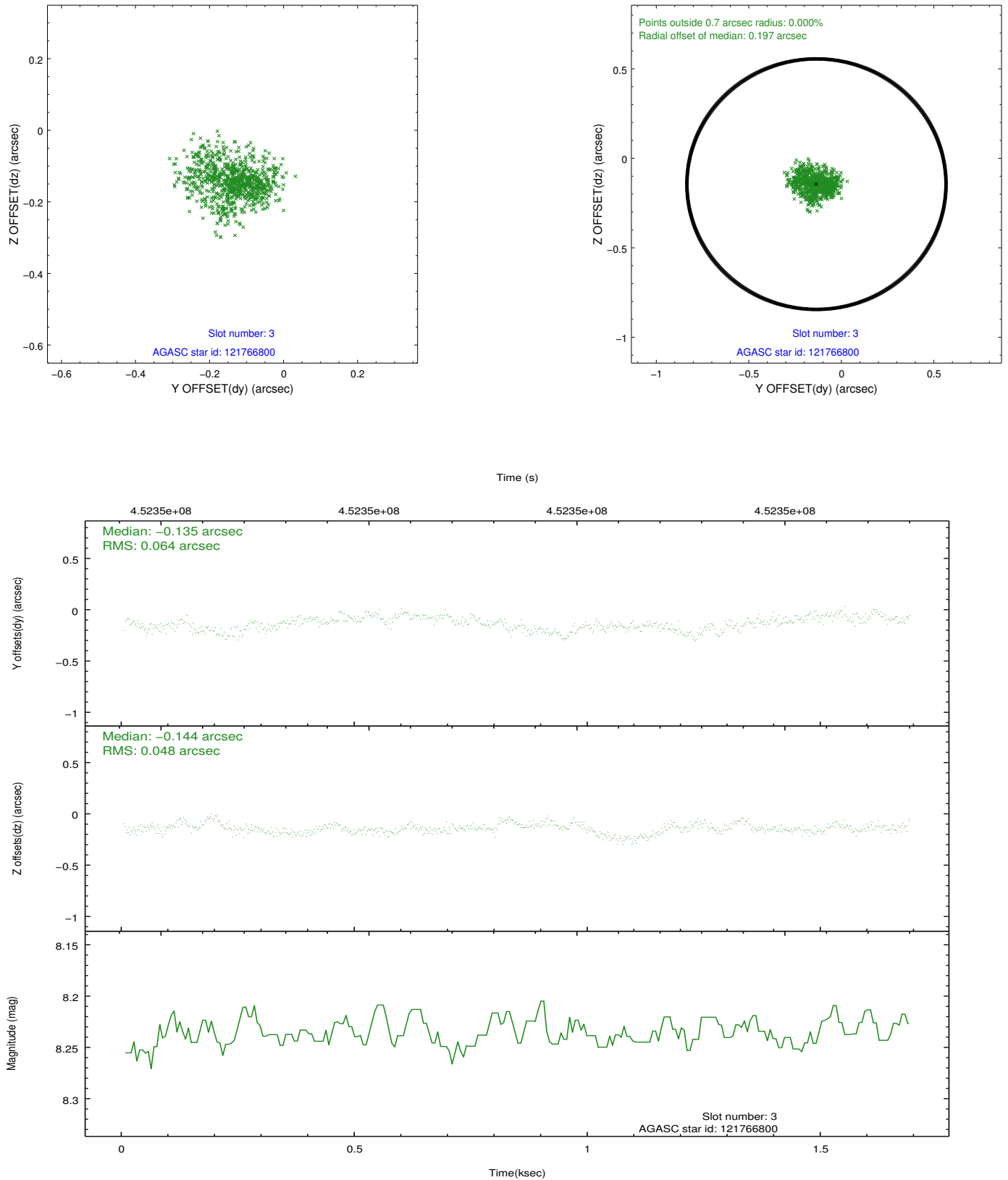


Slot Statistics

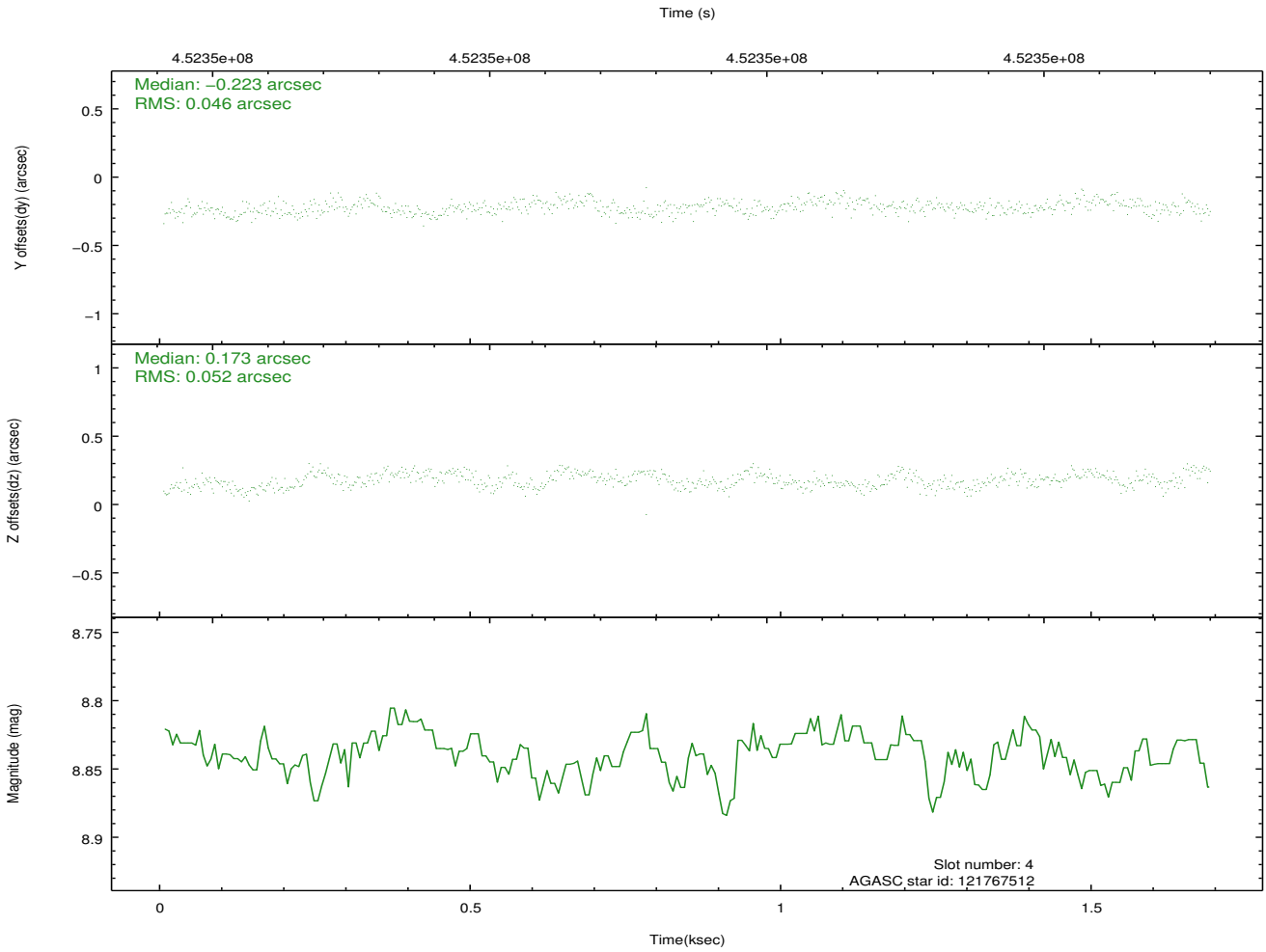
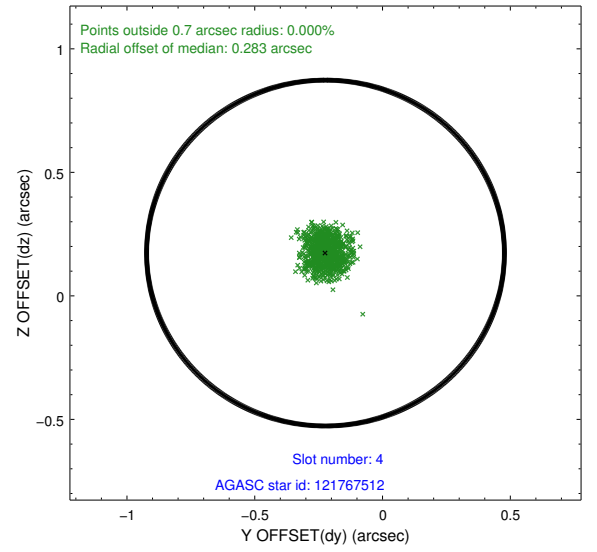
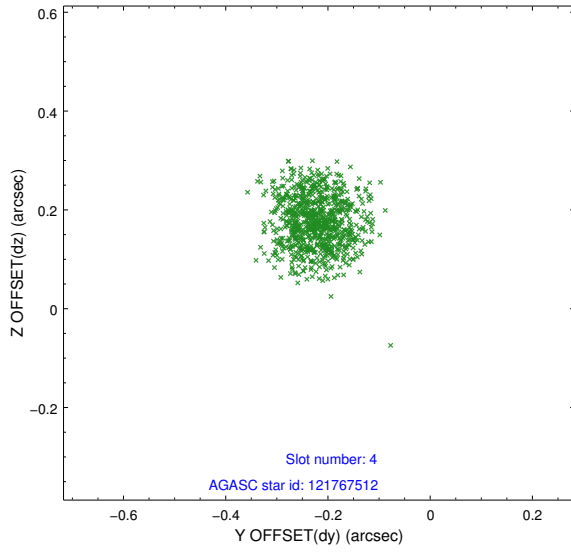
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.11	411	0.105	-0.045	0.006	0.011	0.000000	0.000000	930.07	-1730.83
1	FID	ACIS-S-5	7.15	411	-0.171	0.073	0.005	0.008	0.000000	0.000000	-1817.06	162.75
2	FID	ACIS-S-6	7.23	411	0.045	-0.016	0.006	0.012	0.000000	0.000000	391.27	811.09
3	GUIDE	121766800	8.24	823	-0.135	-0.144	0.089	0.132	234.895396	8.997286	-596.39	-686.42
4	GUIDE	121767512	8.84	823	-0.223	0.173	0.076	0.115	234.692998	9.236225	463.82	-1050.90
5	GUIDE	121768272	8.29	823	0.487	0.126	0.079	0.117	234.918689	9.127513	-423.06	-1131.48
6	GUIDE	121769824	7.35	823	0.133	0.105	0.061	0.101	235.268459	9.302497	-1161.29	-2314.36
7	GUIDE	121769968	10.08	821	-0.261	-0.275	0.176	0.300	234.154382	9.197655	2030.28	54.18

2.4 Star Slots

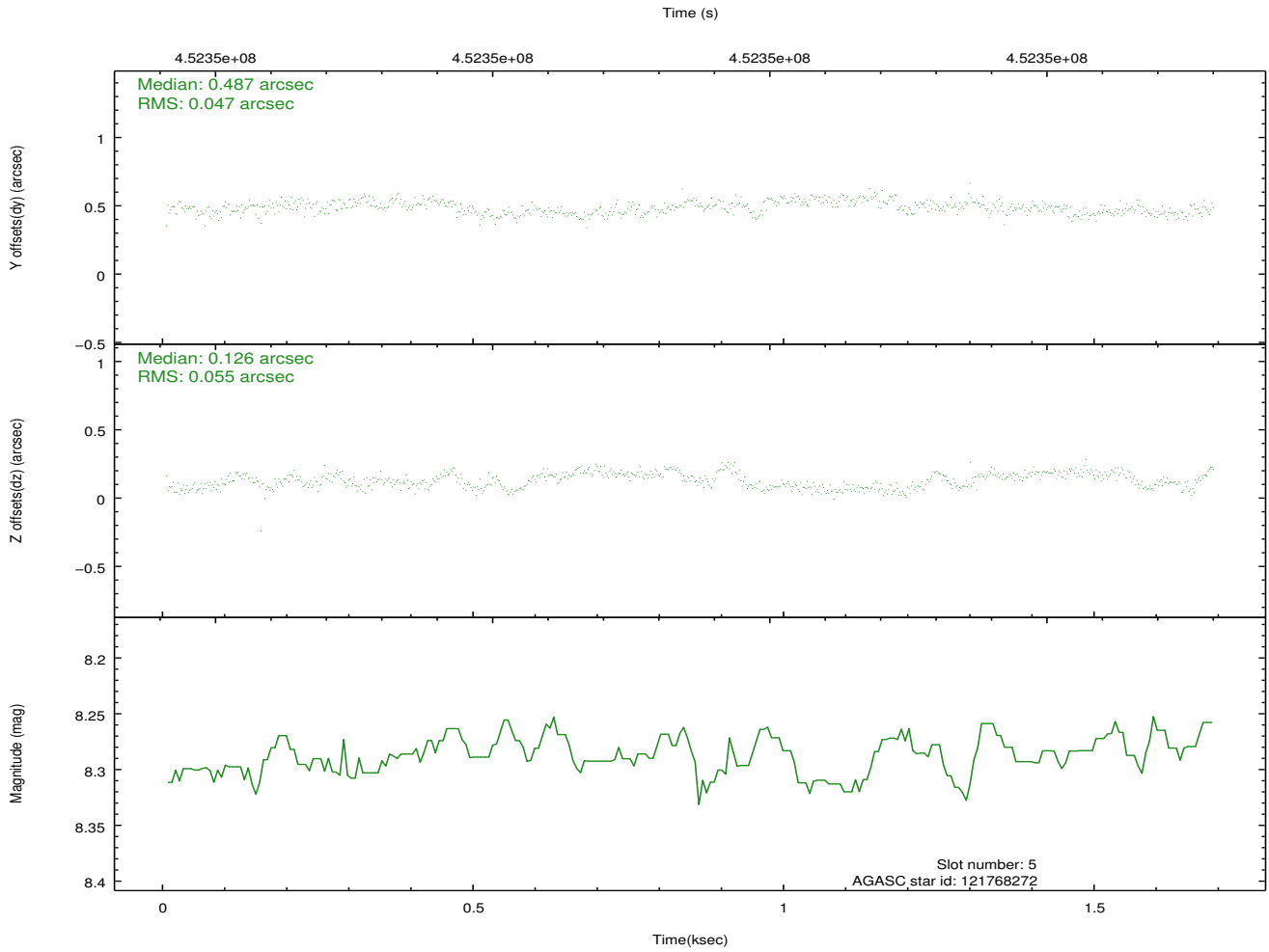
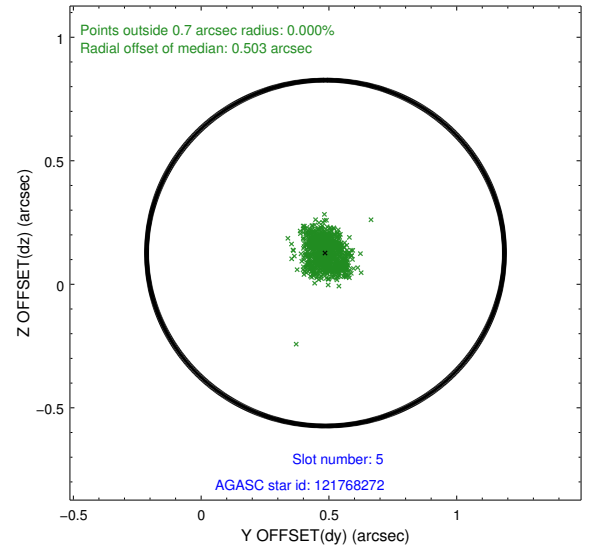
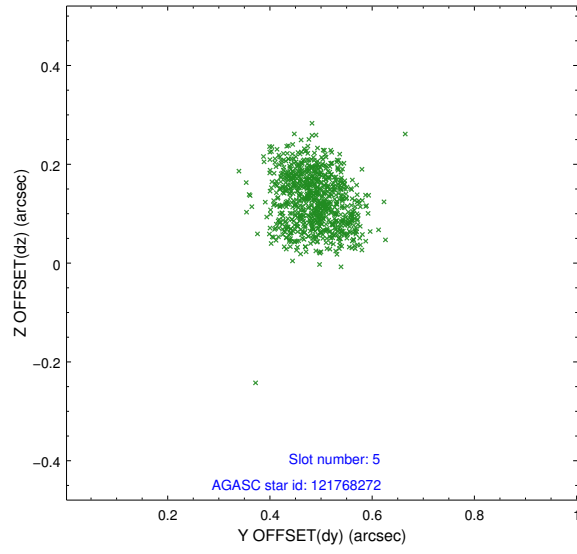
2.4.1 Slot 3



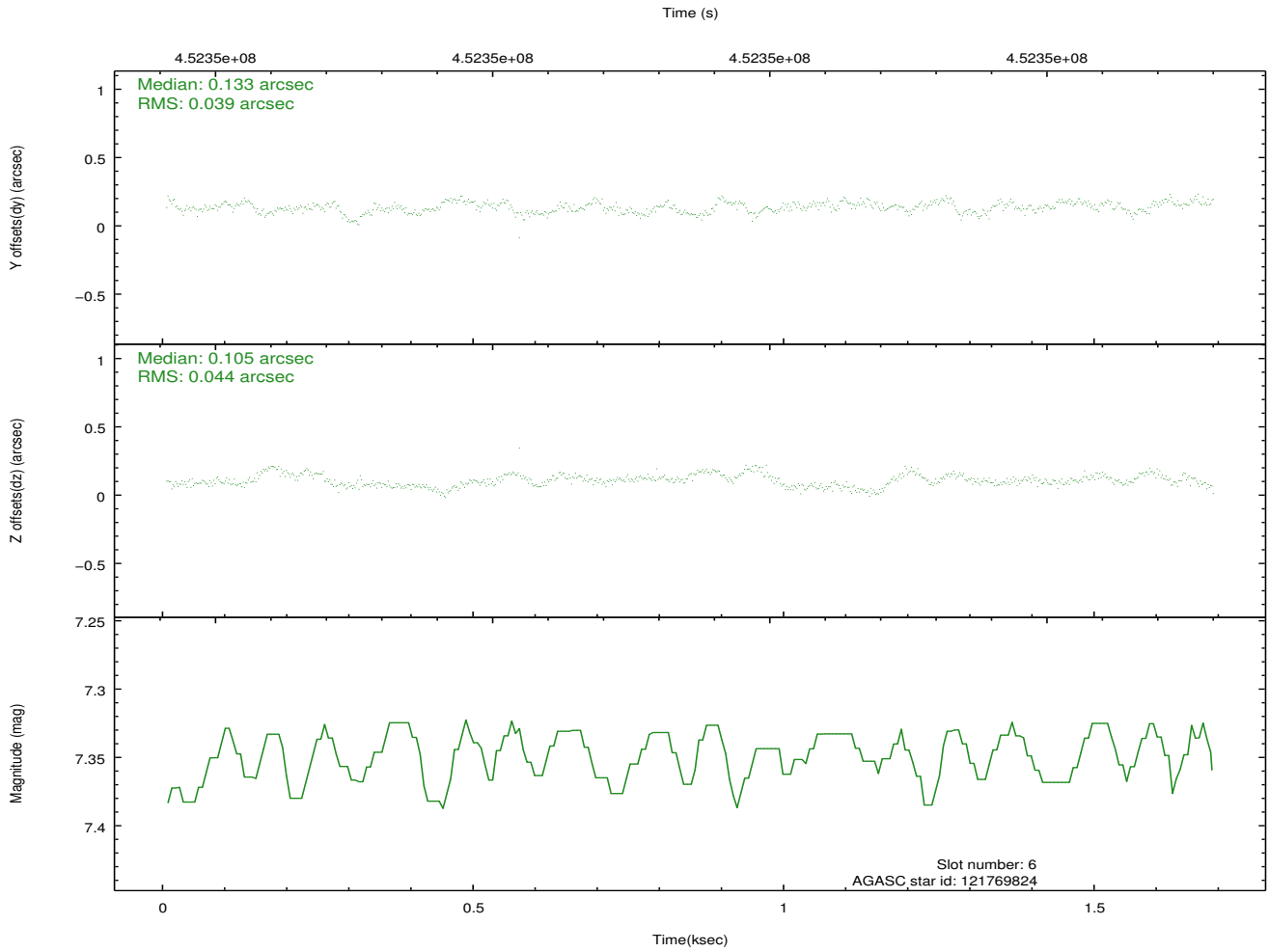
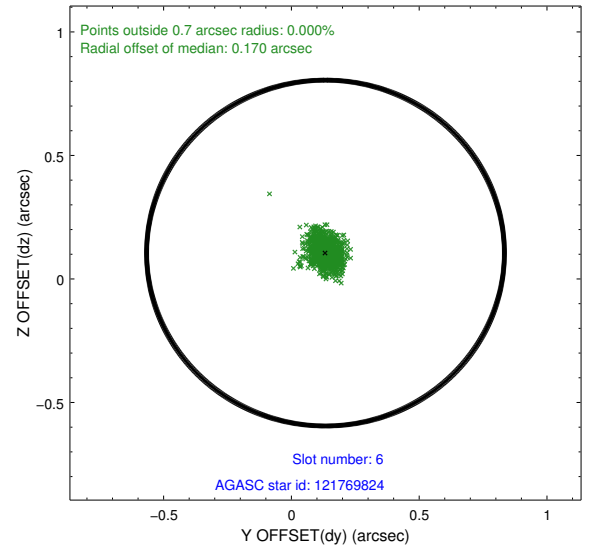
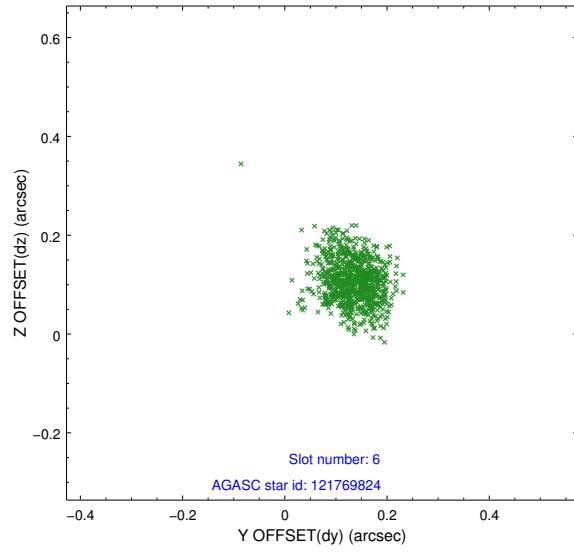
2.4.2 Slot 4



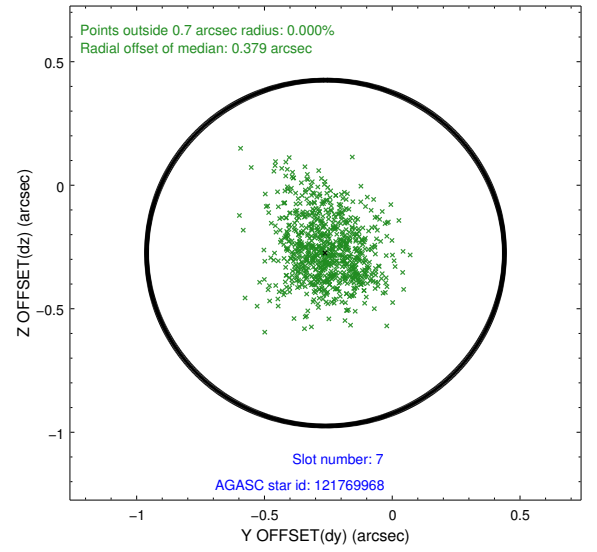
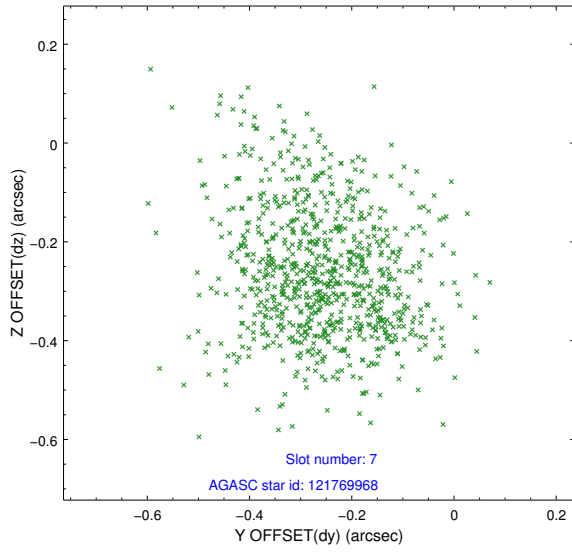
2.4.3 Slot 5



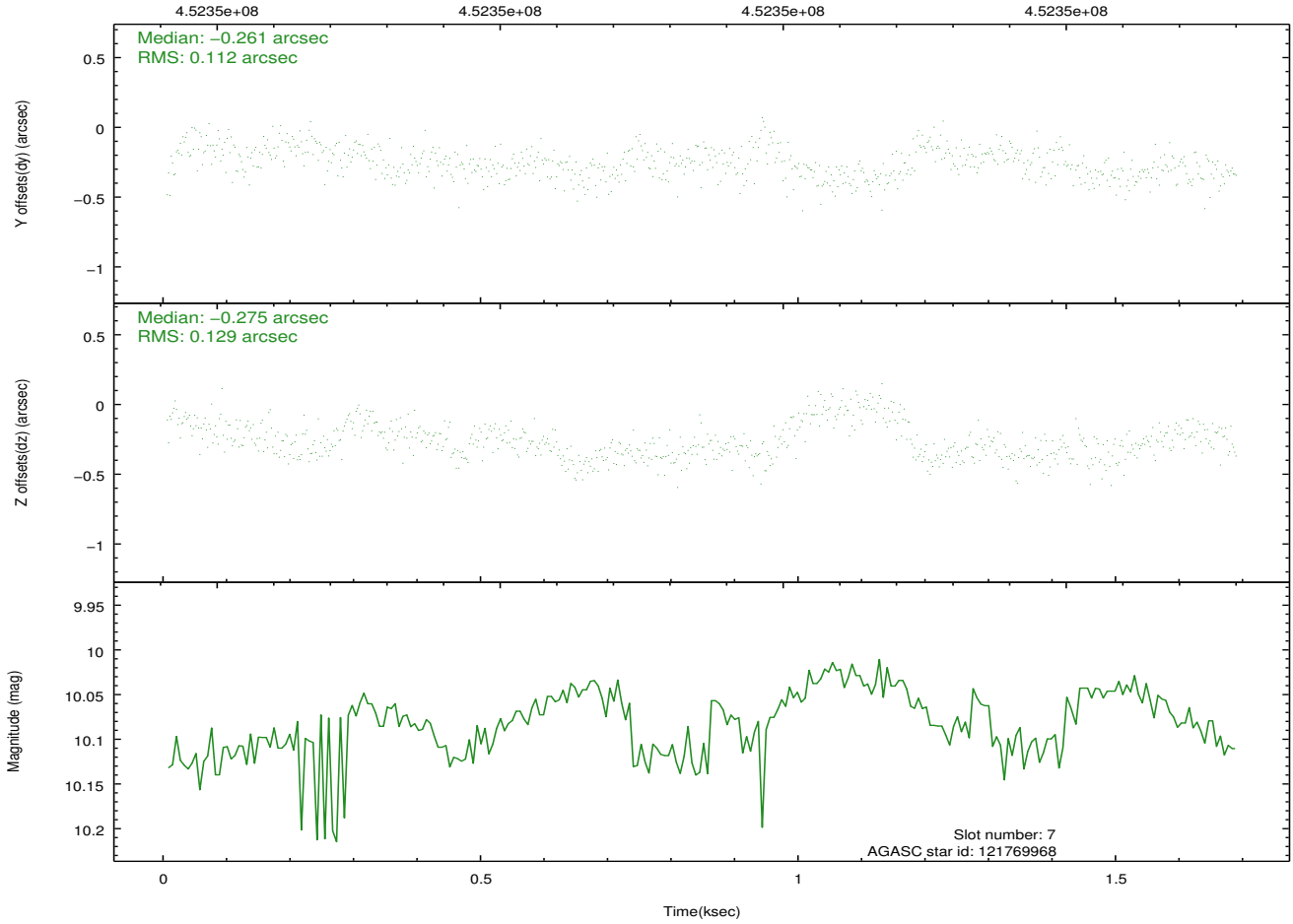
2.4.4 Slot 6



2.4.5 Slot 7

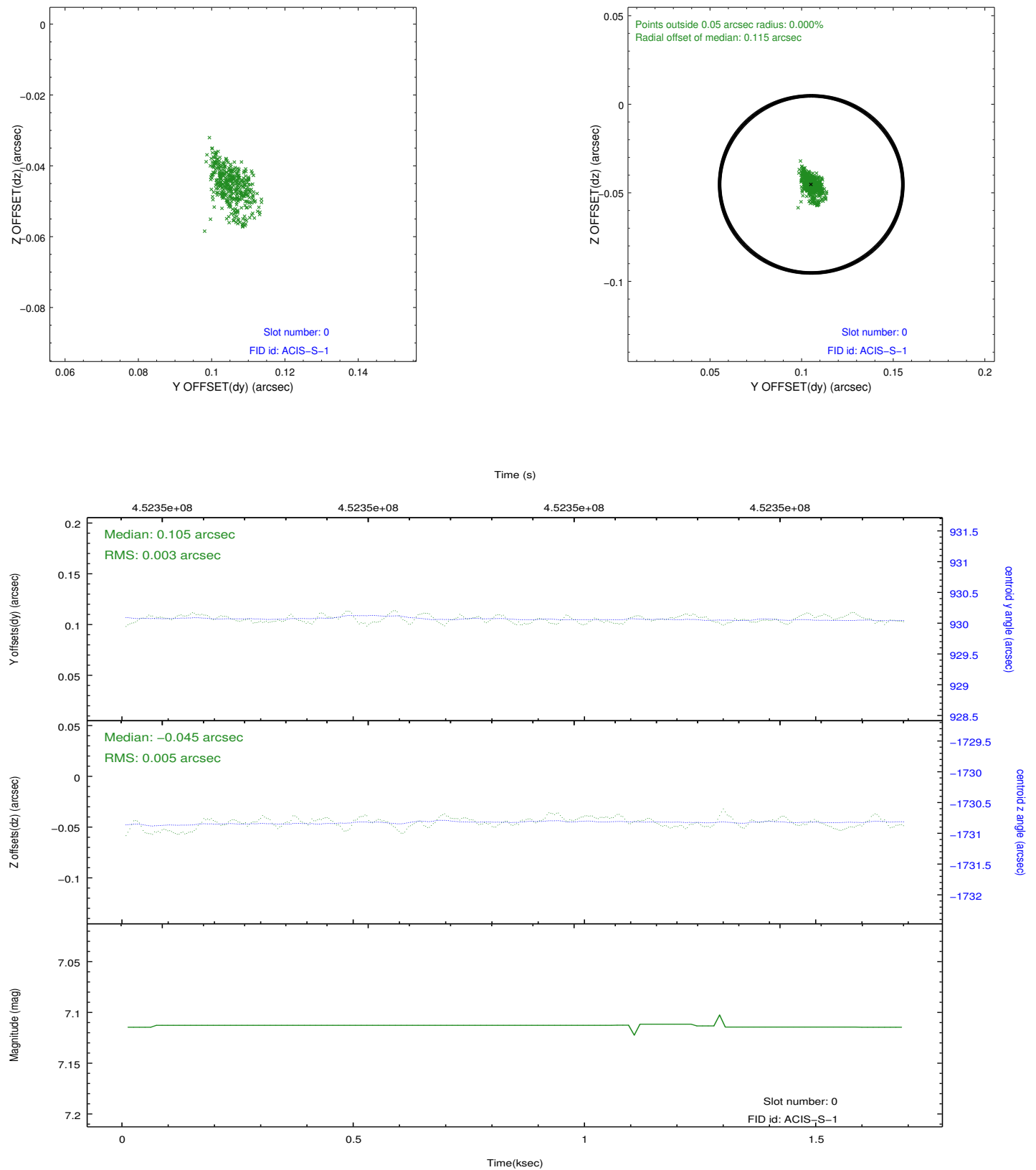


Time (s)

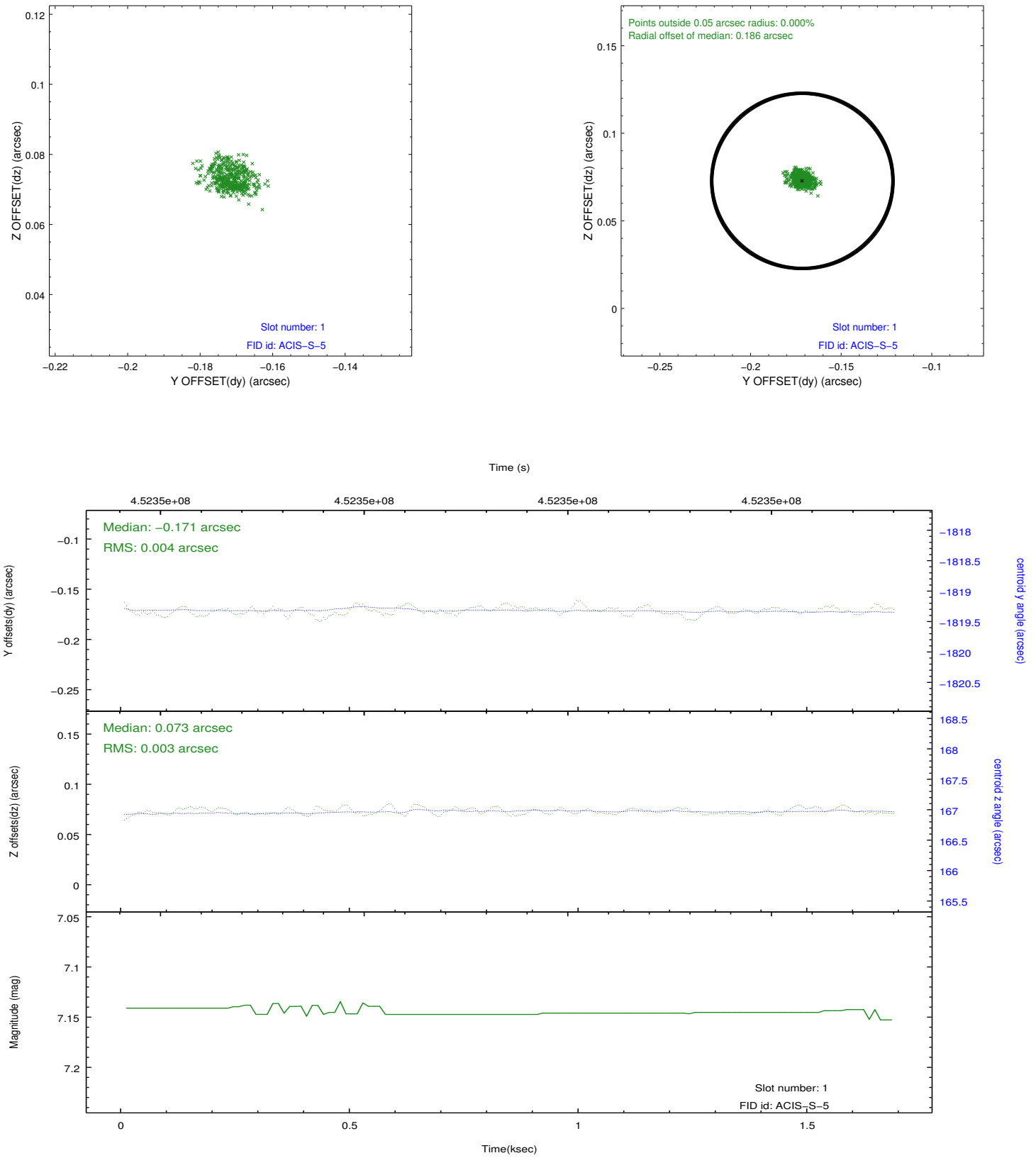


2.5 FID Slots

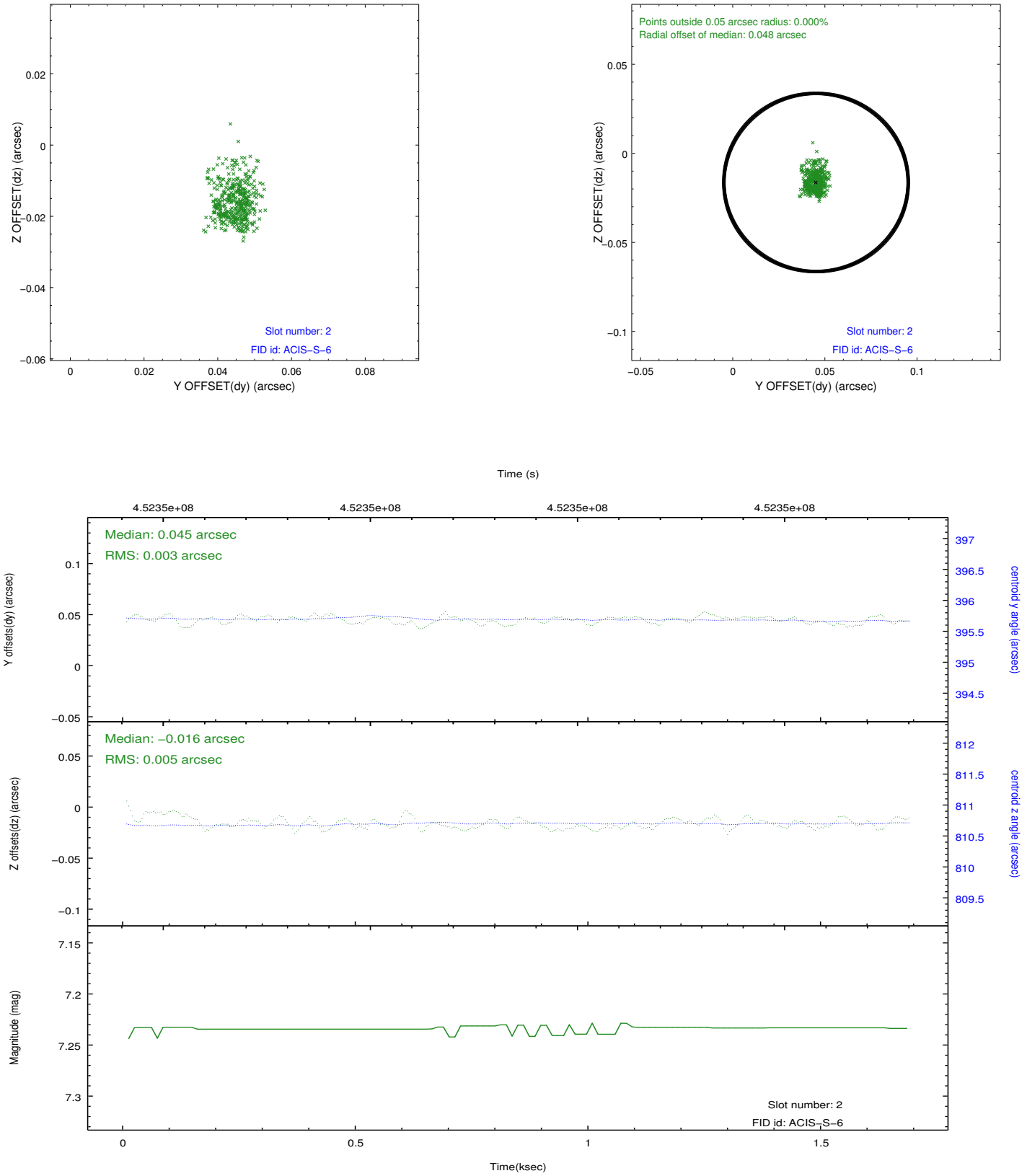
2.5.1 Slot 0



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)	2012.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5779000121355

A.2 Comments