

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 13372 - L2 Version 1
Chandra X-Ray Center

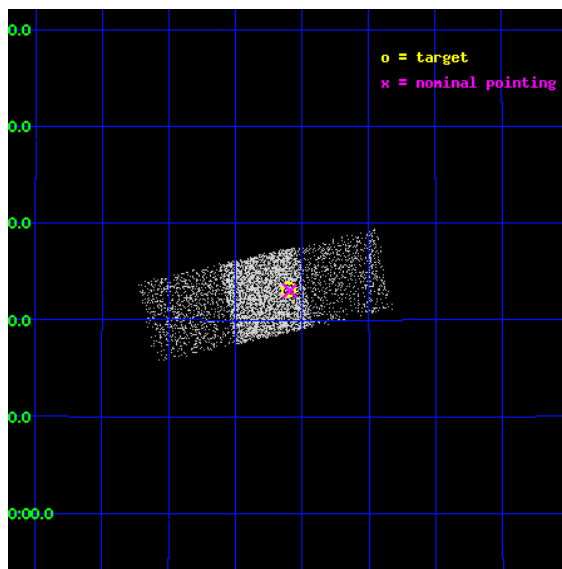
L2 Processing Date : May 6 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

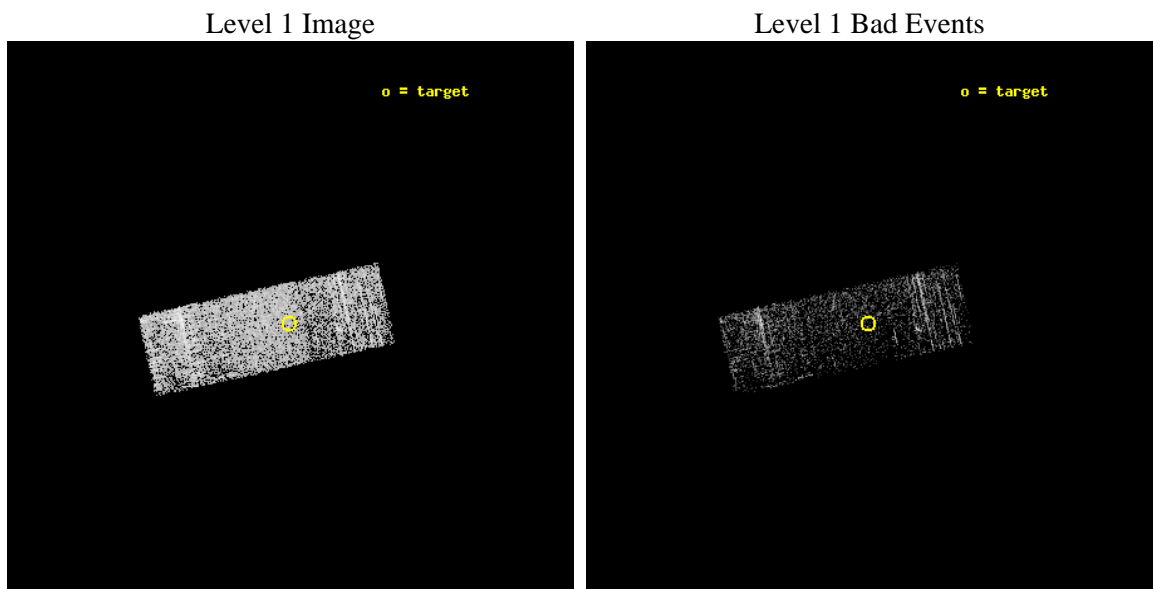
seq_num	702579	Sequence number
obs_id	13372	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1524+2123	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	231.150417	Observer's specified target RA [deg]
dec_targ	21.385861	Observer's specified target Dec [deg]
ra_nom	231.14794964187	Nominal RA [deg]
dec_nom	21.383666091646	Nominal Dec [deg]
roll_nom	167.67368294382	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	1577.9000121355	Sum of GTIs [s]
l2events	6435	Number of level 2 events



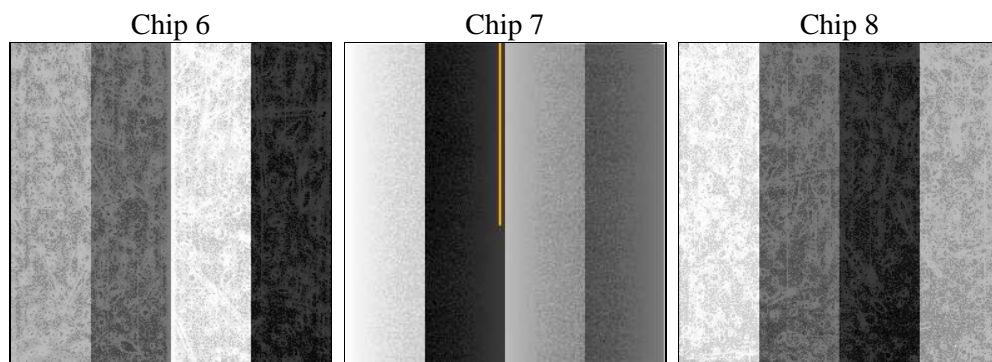
2 OBI

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]
caldsver	4.4.9	 	ontime6	1577.9000121355	Sum of GTIs [s]
date	2012-05-06T05:54:42	Date and time of file creation	ontime7	1577.9000121355	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1577.9000121355	Sum of GTIs [s]
			l1events	29402	Number of level 1 events

2.1.4 Events

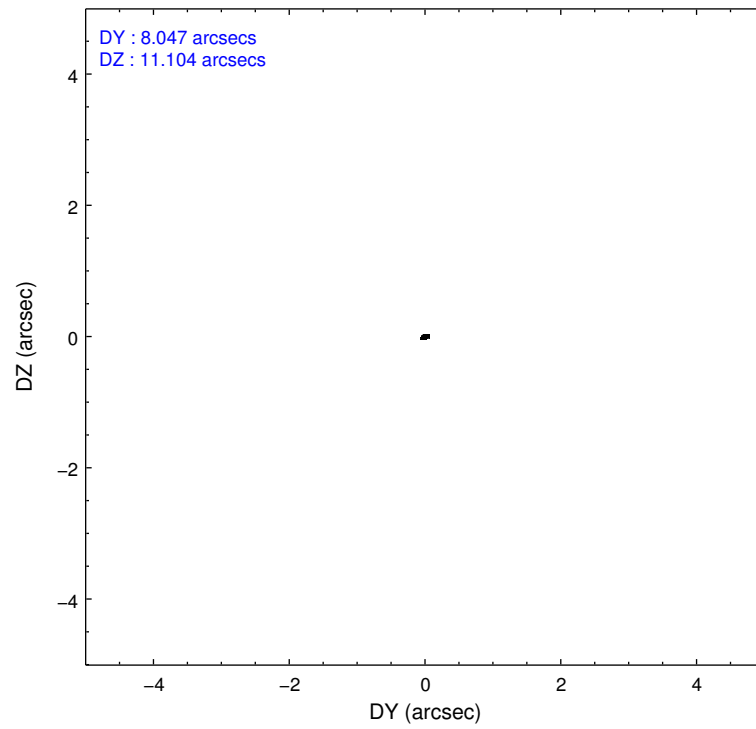
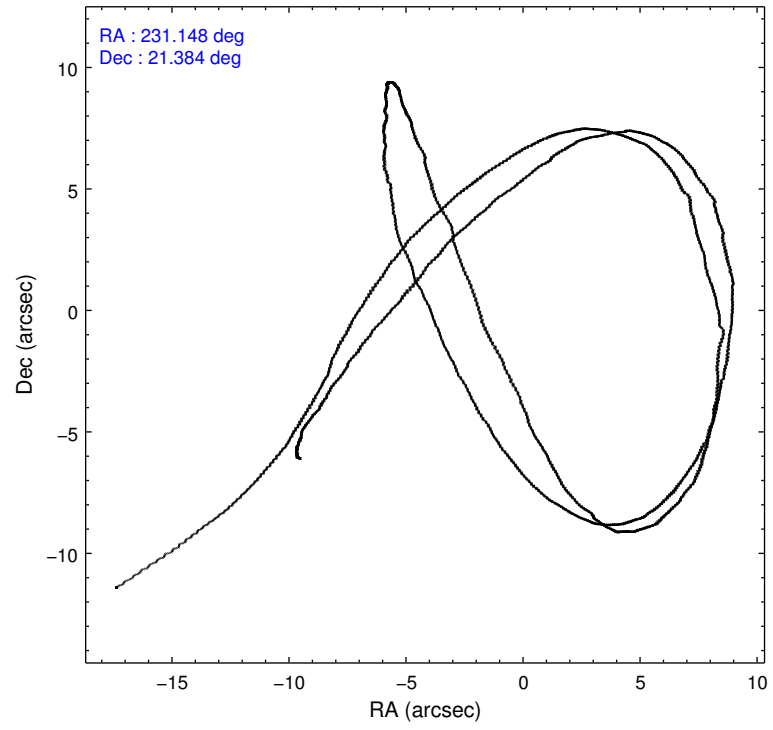
	ccd 6	ccd 7	ccd 8
level 1 events	8535	9860	11007
rejected events	7535	5187	7923
rejected %	88%	52%	71%

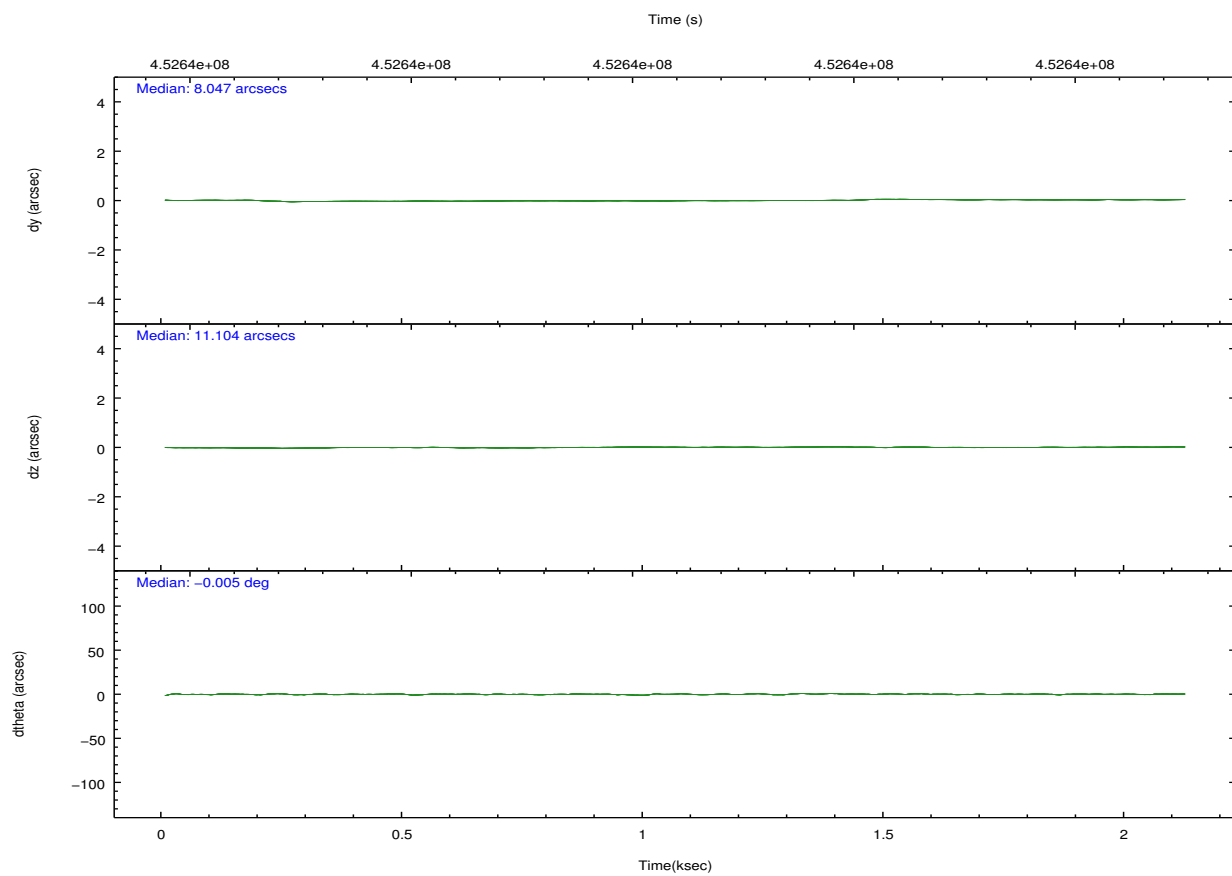
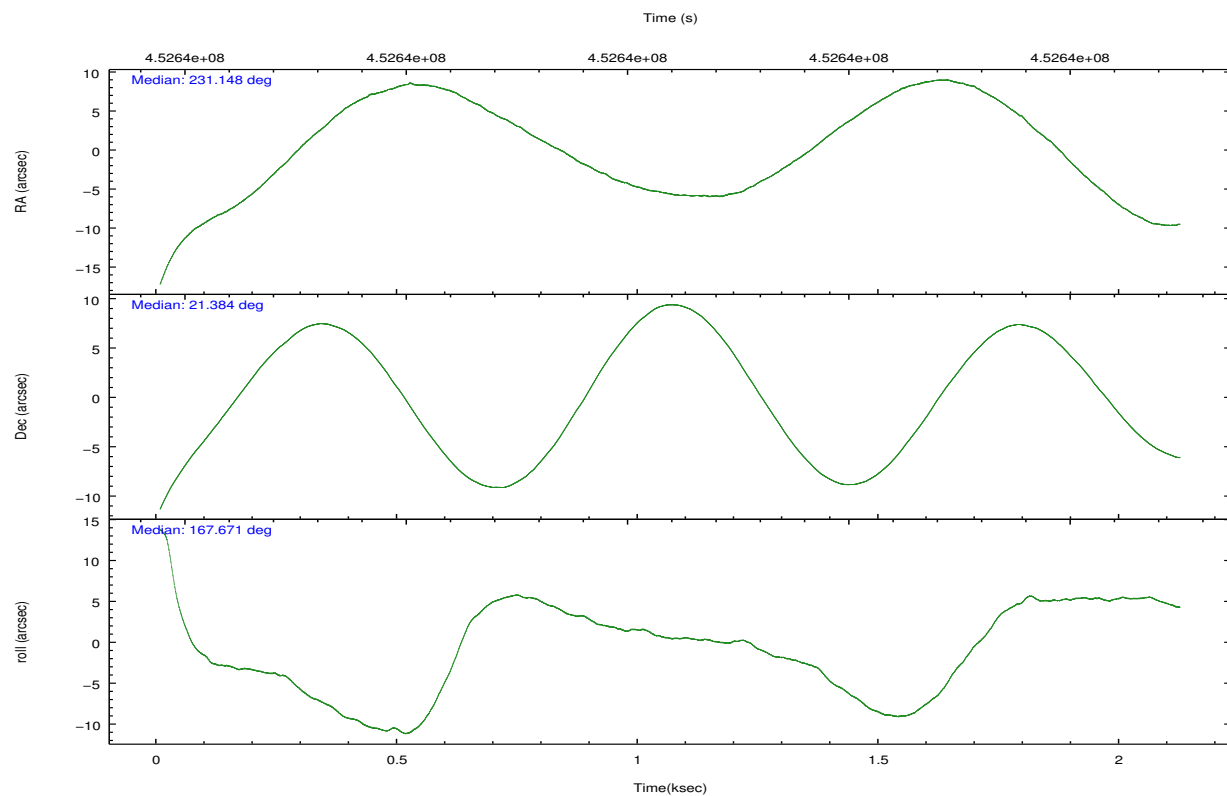
	ccd 6	ccd 7	ccd 8
grade 0 events	352	408	878
	4%	4%	7%
grade 1 events	5	8	5
	0%	0%	0%
grade 2 events	246	1007	716
	2%	10%	6%
grade 3 events	89	415	298
	1%	4%	2%
grade 4 events	96	404	302
	1%	4%	2%
grade 5 events	353	1030	558
	4%	10%	5%
grade 6 events	221	2450	893
	2%	24%	8%
grade 7 events	7173	4138	7357
	84%	41%	66%

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	231.175981	231.1479496418716	Subarray requested	NONE	NONE
[deg] Pointing Dec	21.392365	21.3836660916463	Alternating exposures requested	N	N
[deg] Pointing Roll	167.506728	167.6736829438248	[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)	452635668.184000	452633918.32164			
Observation start date	2012-05-05T20:06:42	2012-05-05T19:38:38			
[s] Observation end time (MET)	452637168.184000	452638084.43436			
Observation end date	2012-05-05T20:31:42	2012-05-05T20:48:04			
Read mode	TIMED	TIMED			

2.3 Aspect



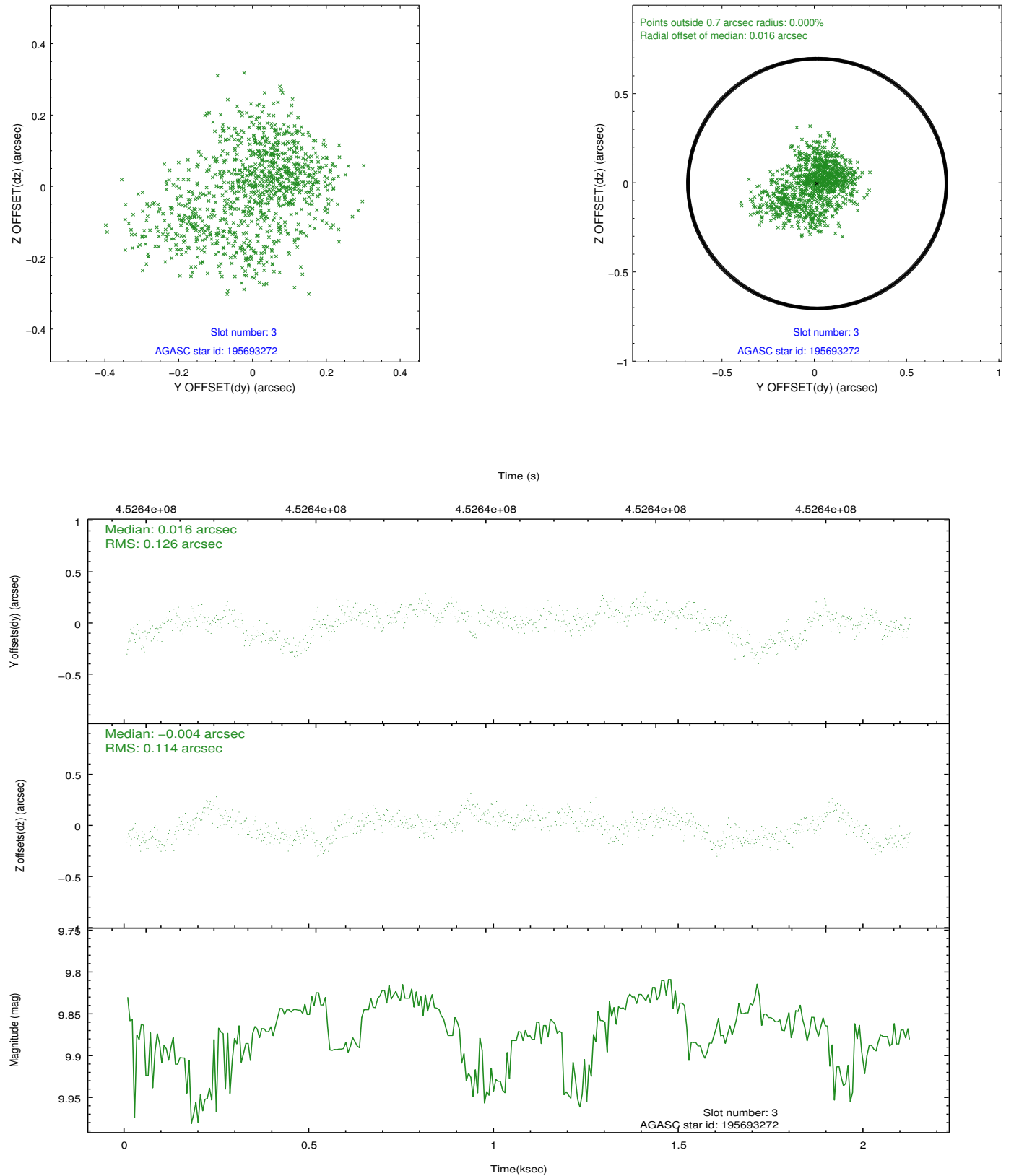


Slot Statistics

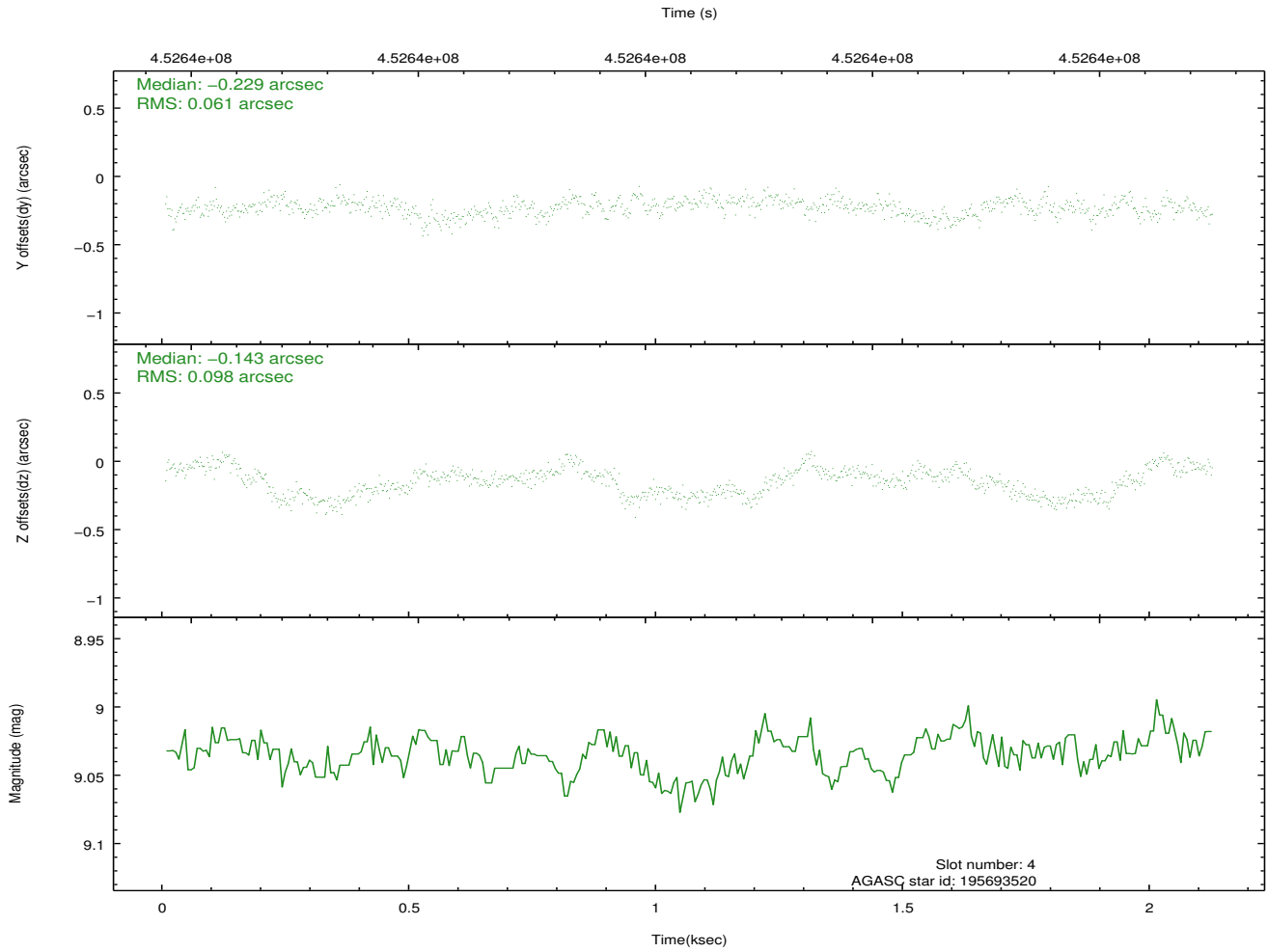
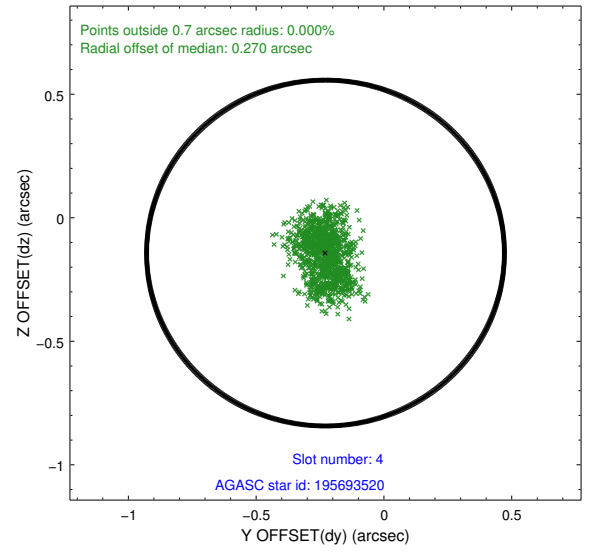
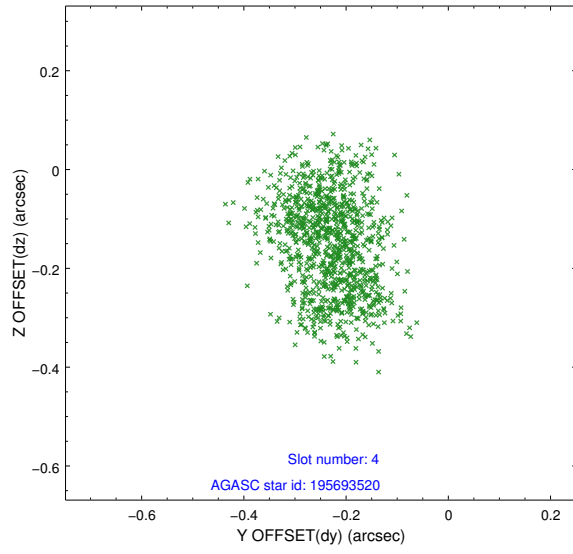
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	517	-0.051	-0.018	0.007	0.010	0.000000	0.000000	-760.86	-1732.40
1	FID	ACIS-S-4	7.04	517	0.182	0.030	0.006	0.010	0.000000	0.000000	2151.23	172.96
2	FID	ACIS-S-5	7.07	517	-0.163	-0.003	0.006	0.011	0.000000	0.000000	-1809.88	170.08
3	GUIDE	195693272	9.87	1031	0.016	-0.004	0.185	0.290	230.806583	20.989182	898.37	1683.99
4	GUIDE	195693520	9.03	1035	-0.229	-0.143	0.127	0.193	230.470547	20.977762	1992.93	1964.66
5	GUIDE	195694200	8.38	1034	-0.041	-0.065	0.146	0.222	230.599772	20.928508	1532.83	2047.70
6	GUIDE	195696416	9.98	1033	0.334	0.207	0.167	0.286	231.534873	21.364572	-1194.70	-162.04
7	GUIDE	195696464	10.19	1033	-0.031	0.060	0.198	0.326	230.608886	21.698041	2090.55	-667.98

2.4 Star Slots

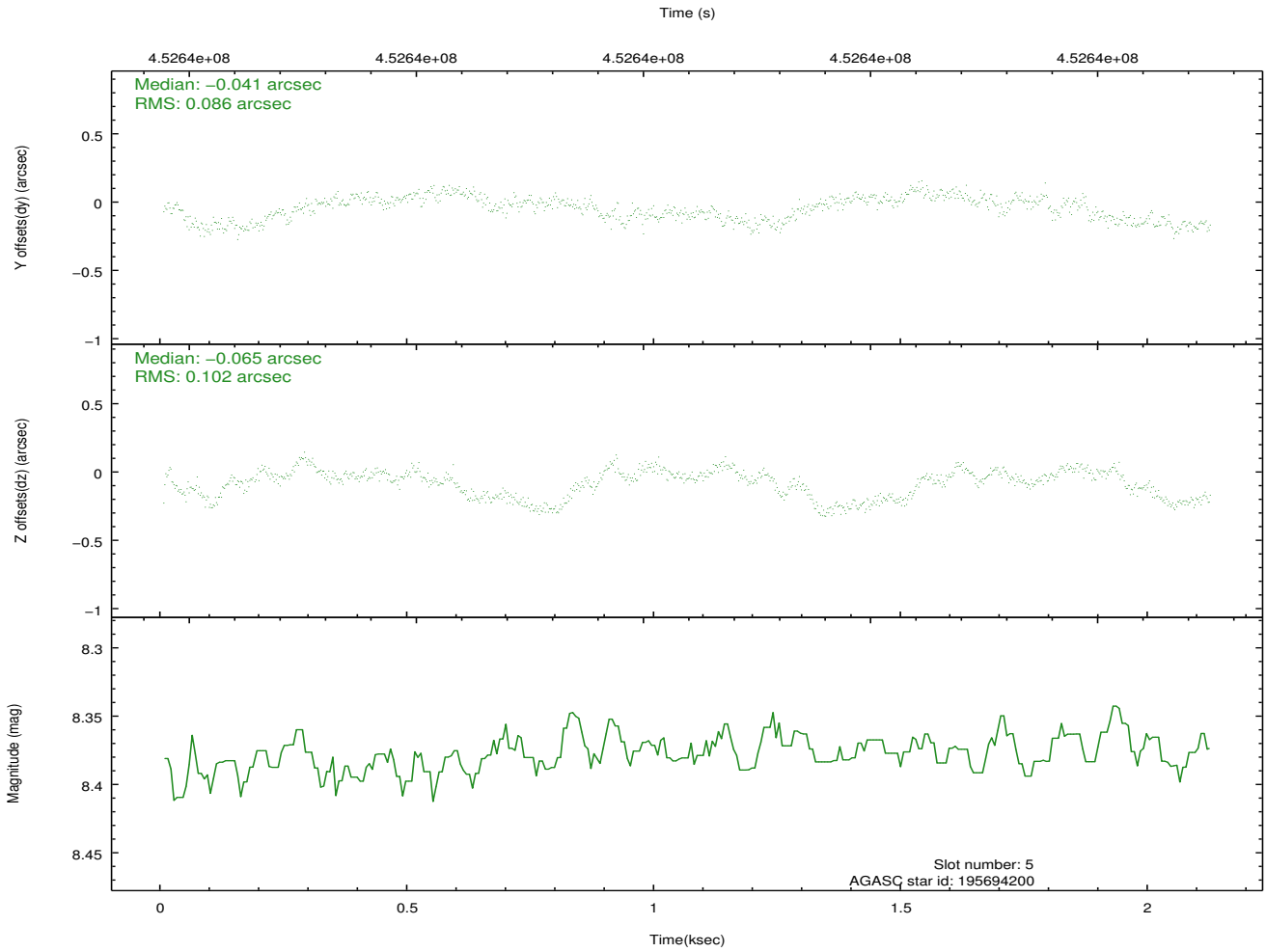
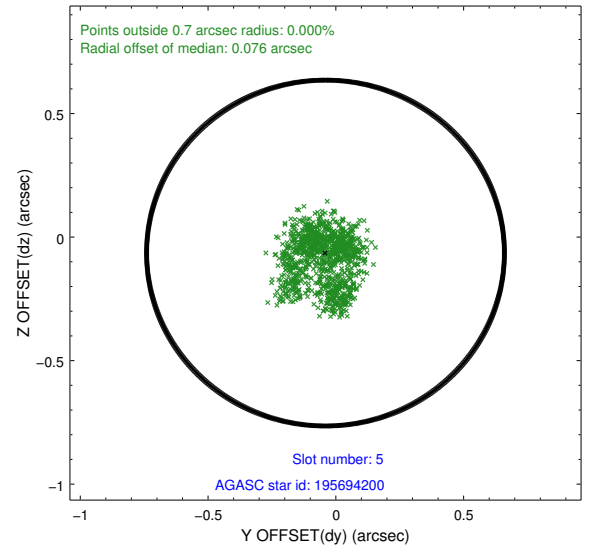
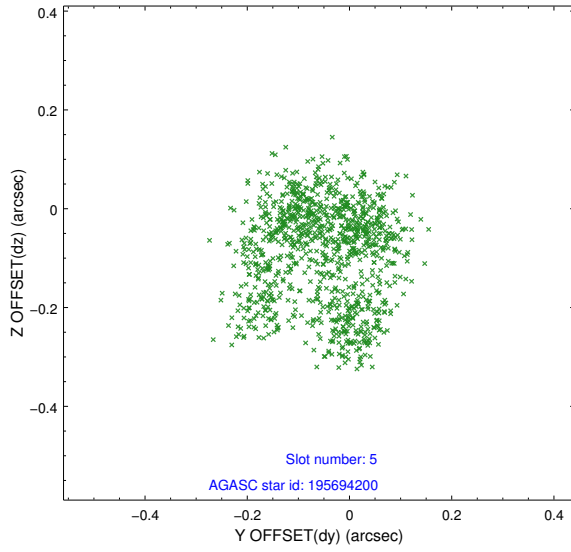
2.4.1 Slot 3



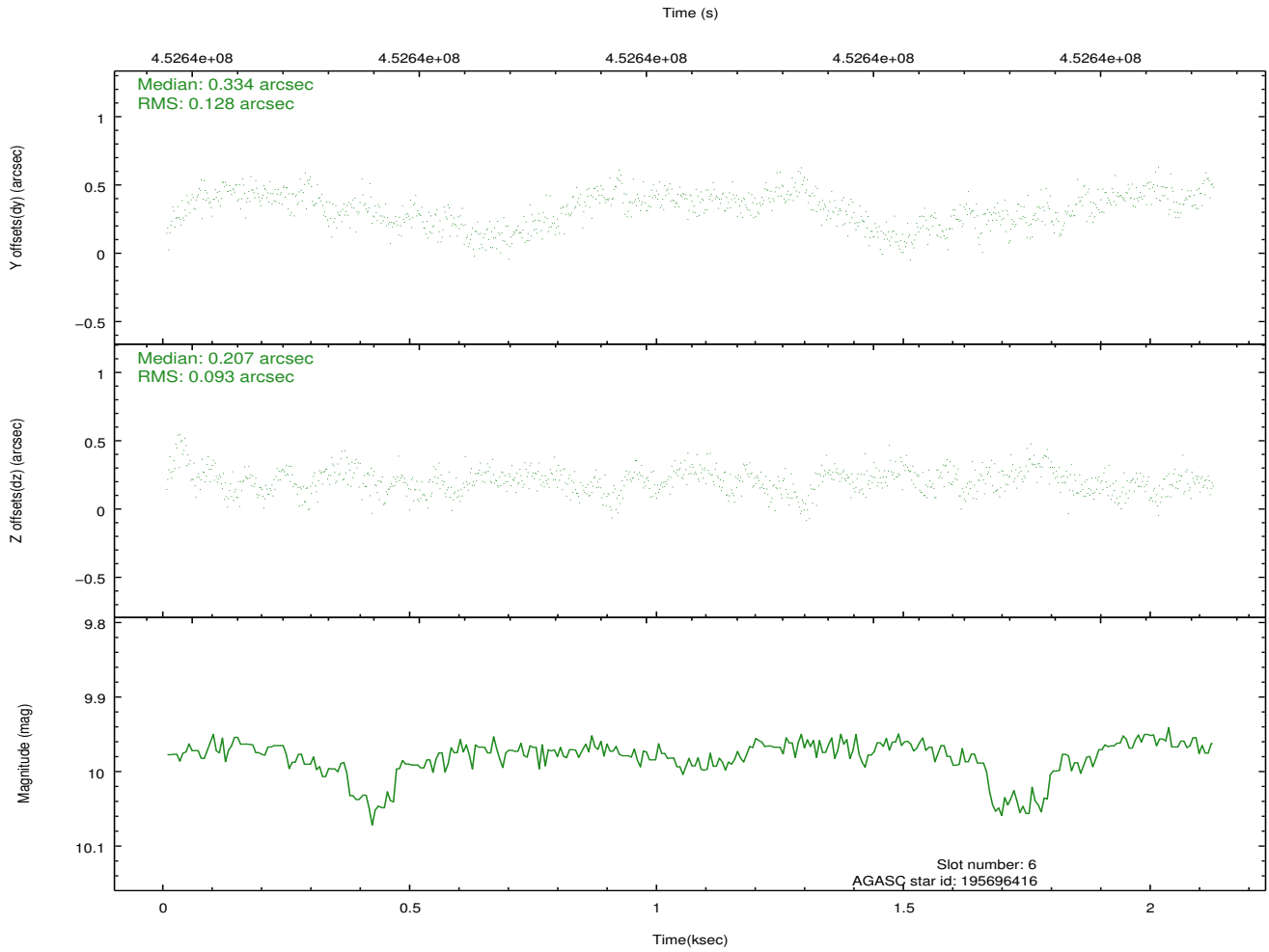
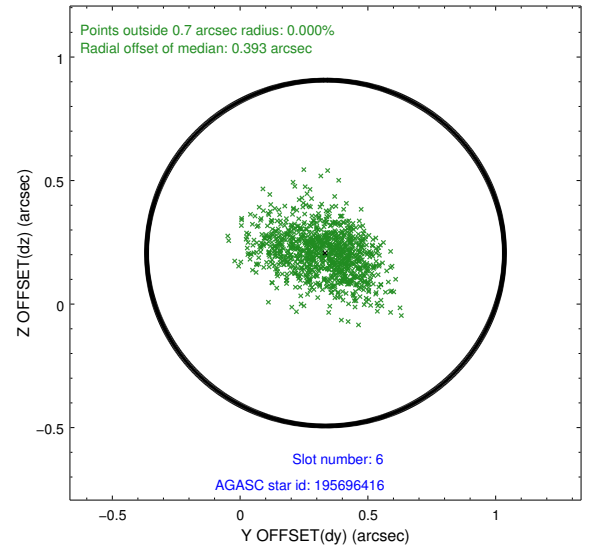
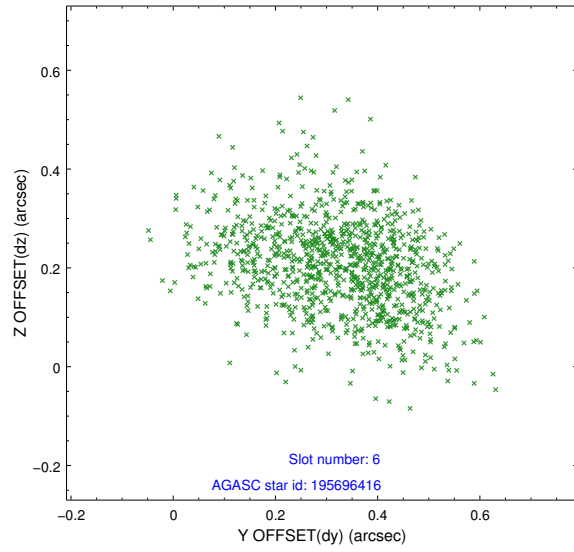
2.4.2 Slot 4



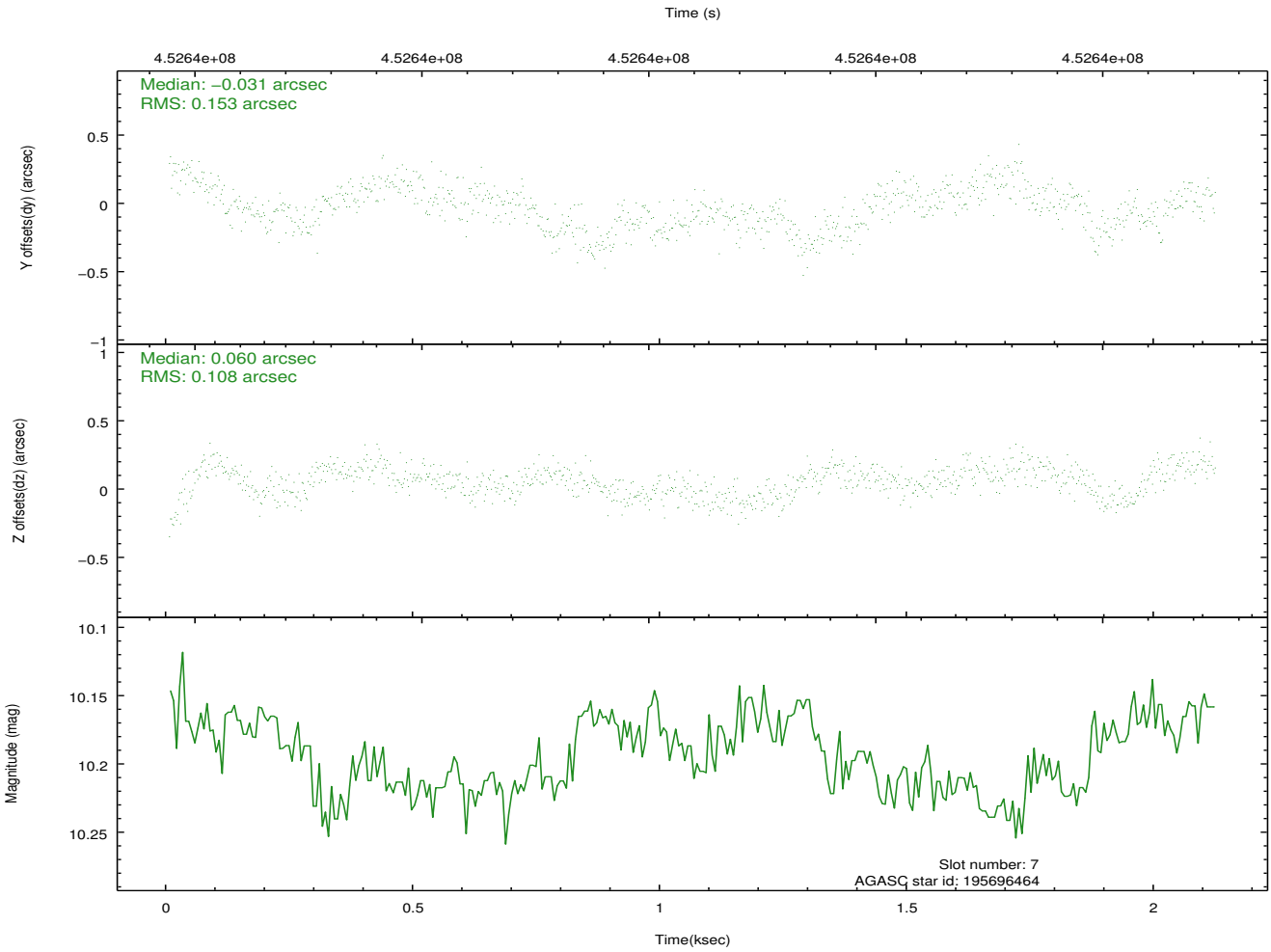
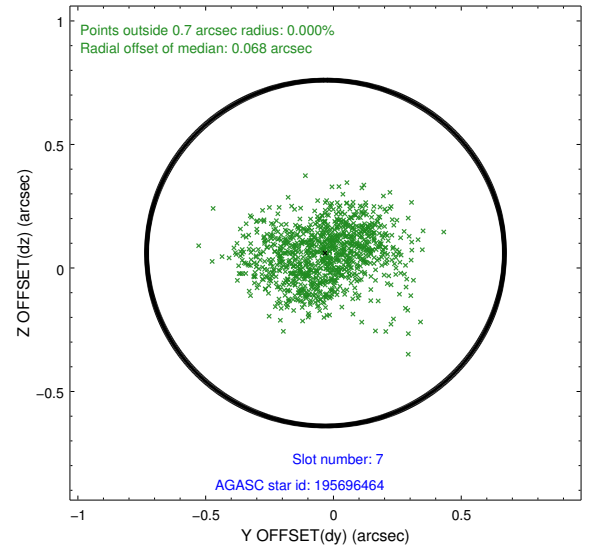
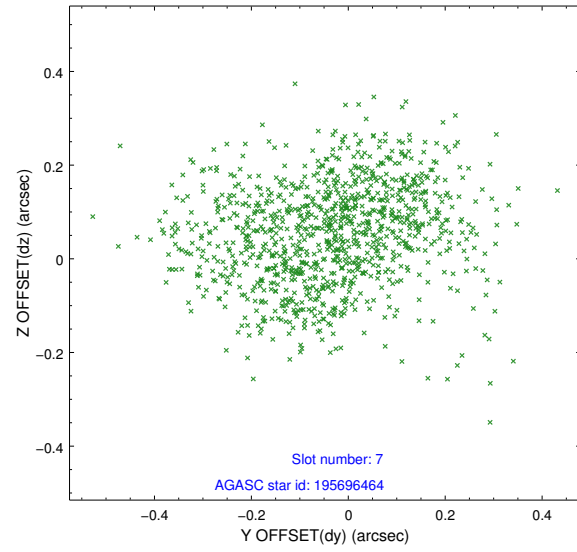
2.4.3 Slot 5



2.4.4 Slot 6

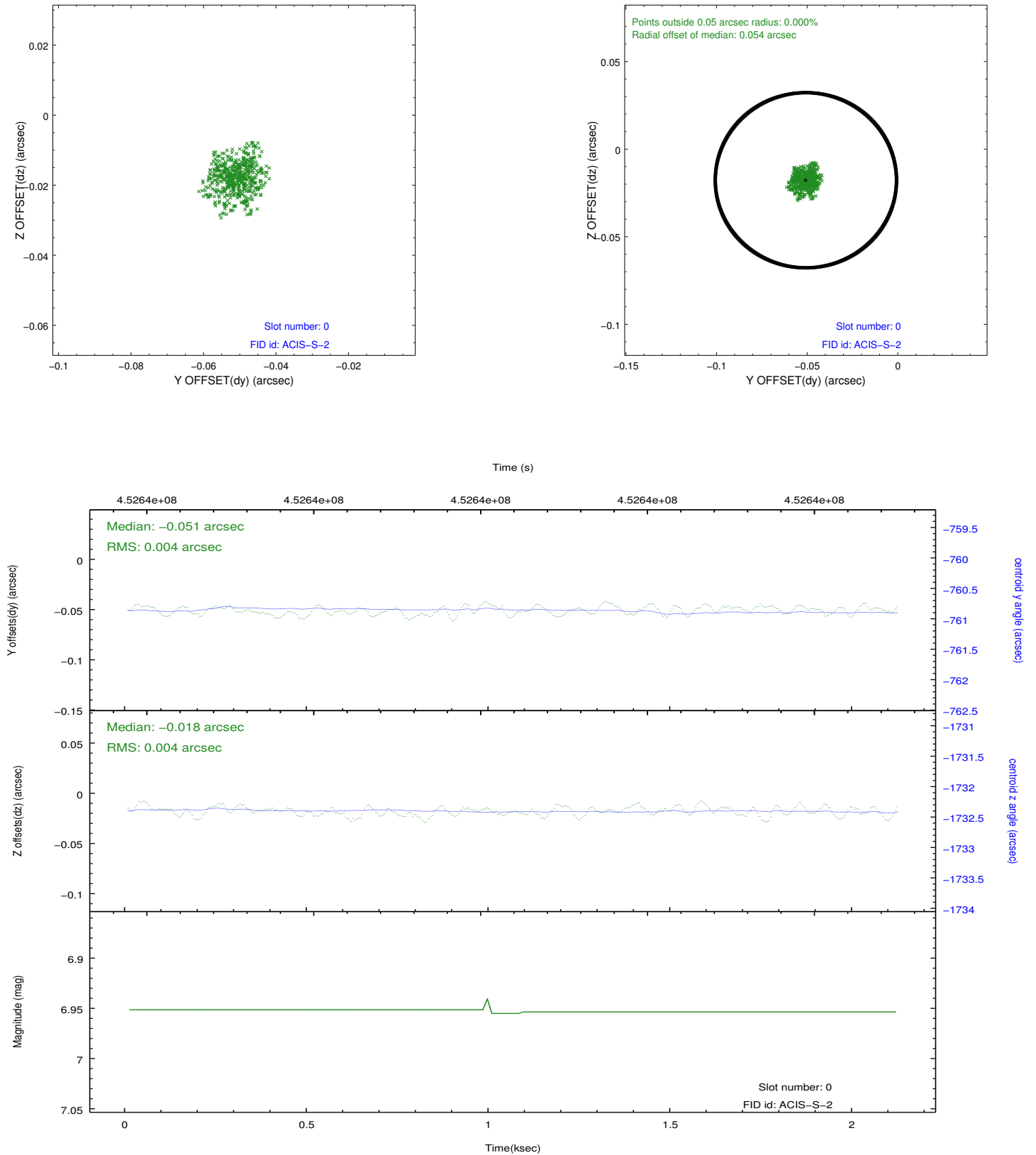


2.4.5 Slot 7

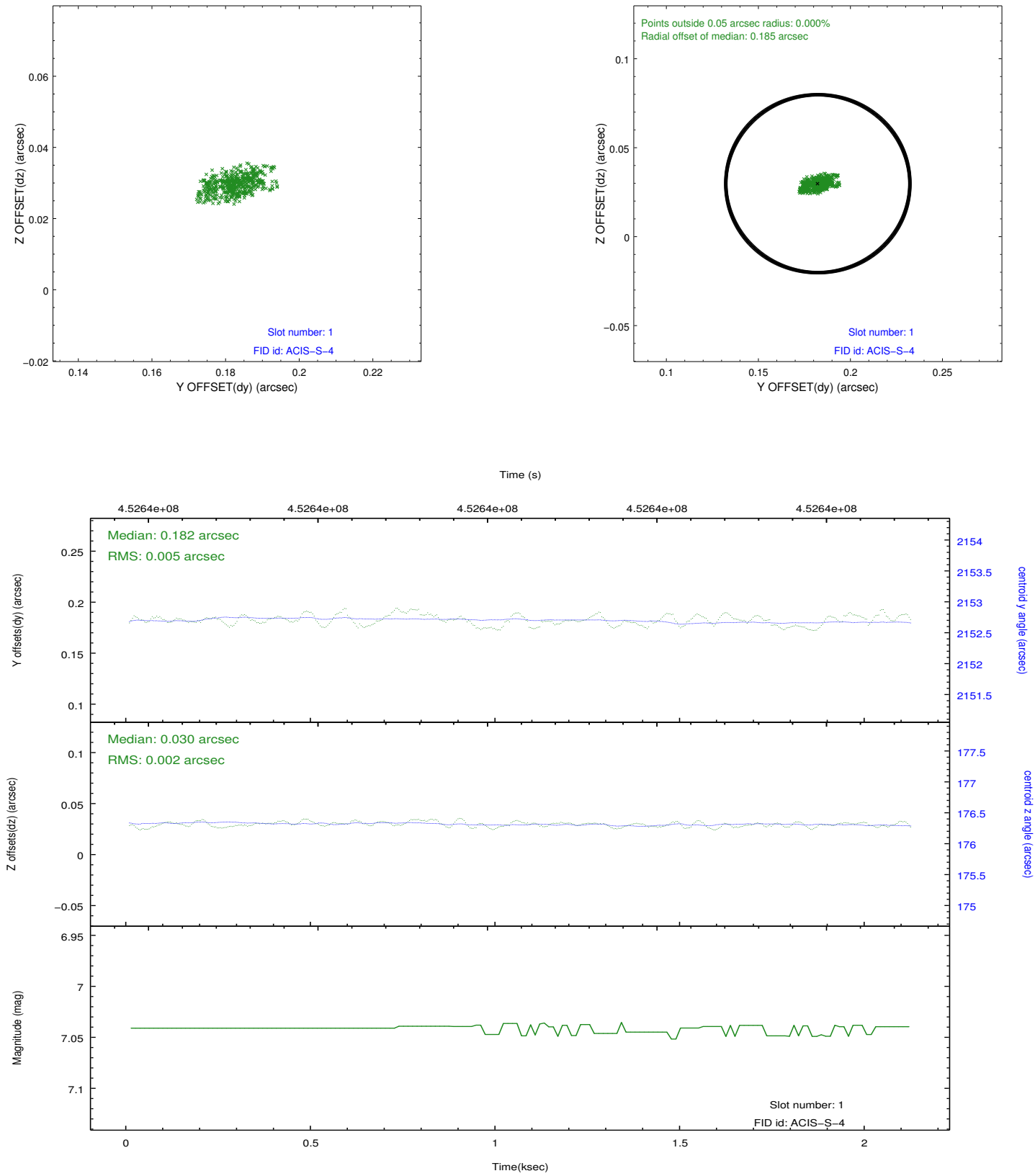


2.5 FID Slots

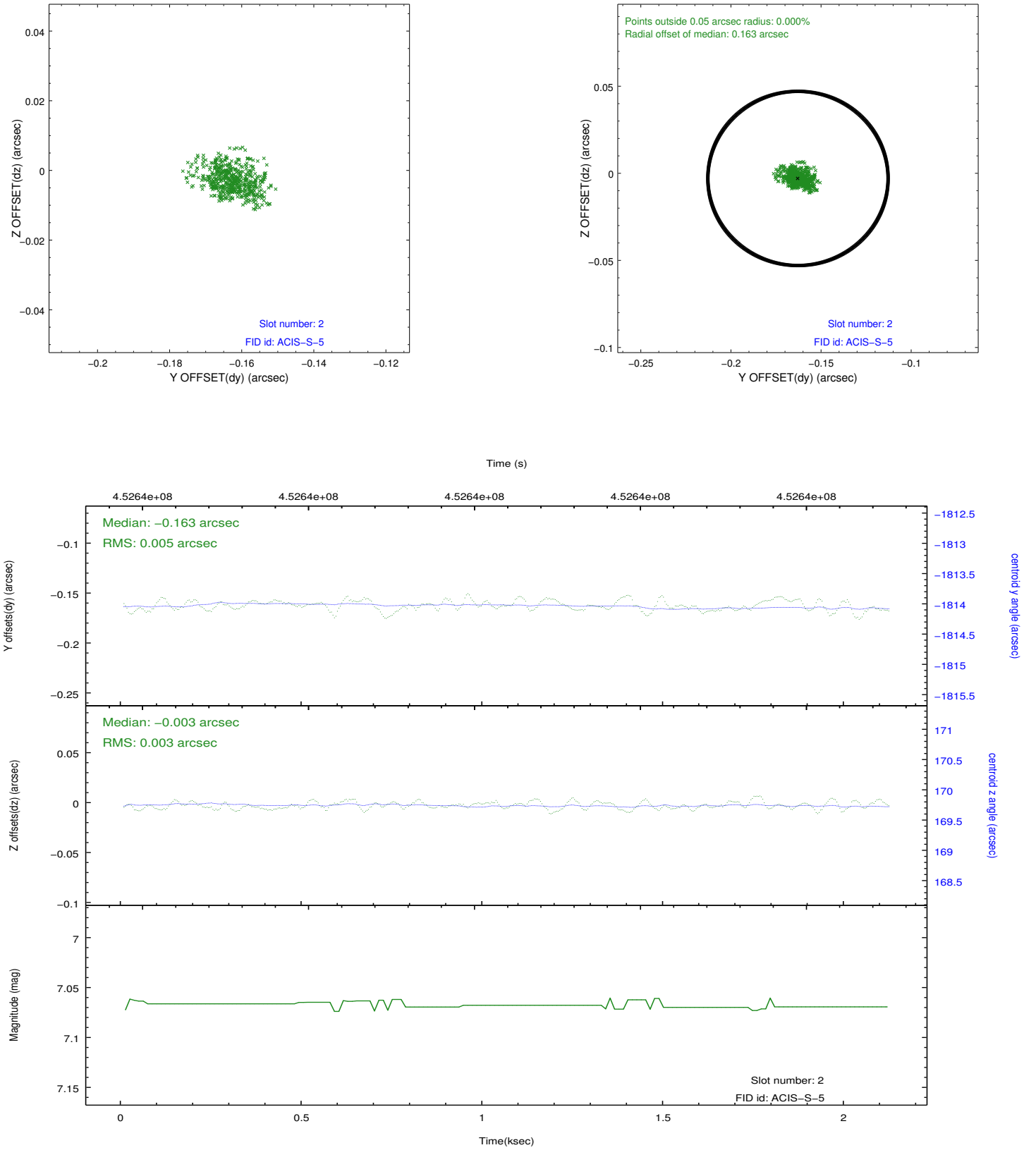
2.5.1 Slot 0



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)	2012.05.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5779000121355

A.2 Comments