

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13344 - L2 Version 1
Chandra X-Ray Center

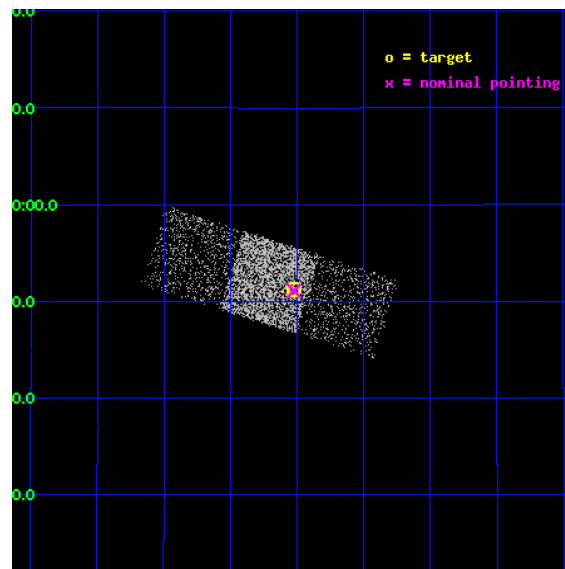
L2 Processing Date : Mar 27 2012

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1 Front

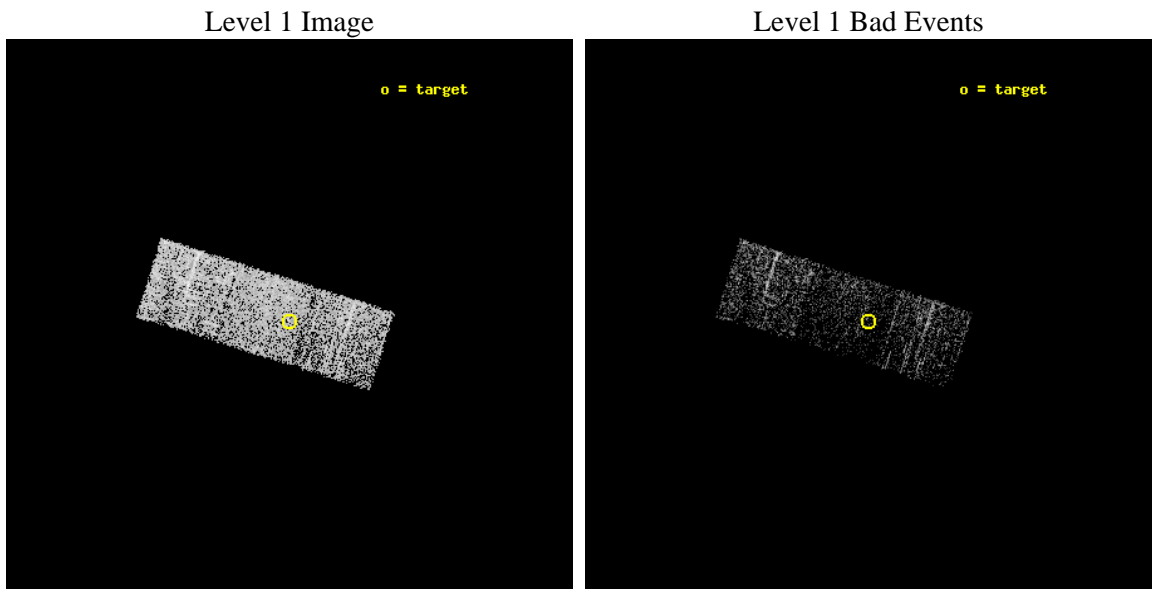
seq_num	702551	Sequence number
obs_id	13344	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J1153+2151	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	178.256667	Observer's specified target RA [deg]
dec_targ	21.854833	Observer's specified target Dec [deg]
ra_nom	178.25580627339	Nominal RA [deg]
dec_nom	21.851759097578	Nominal Dec [deg]
roll_nom	197.44016623773	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1486.9454225898	Sum of GTIs [s]
livetime	1467.5173859703	Livetime [s]
ontime6	1486.9043825865	Sum of GTIs [s]
ontime7	1486.9454225898	Sum of GTIs [s]
ontime8	1477.4402224422	Sum of GTIs [s]
l2events	5795	Number of level 2 events



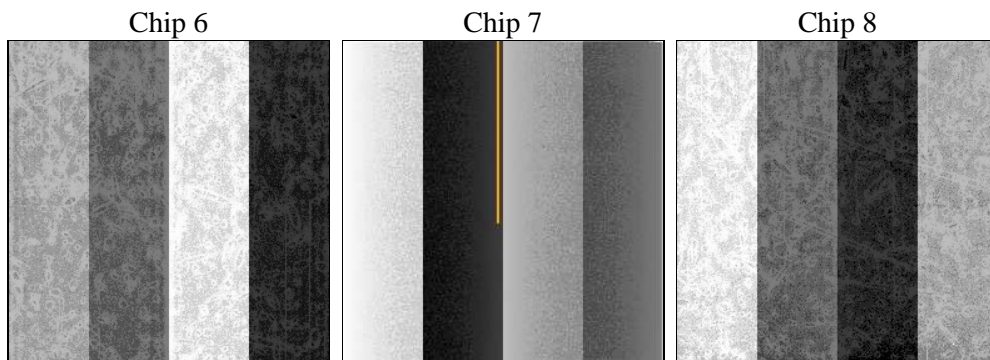
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	1680.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1486.9454225898	Sum of GTIs [s]
caldsver	4.4.8	 	ontime6	1486.9043825865	Sum of GTIs [s]
date	2012-03-27T04:18:51	Date and time of file creation	ontime7	1486.9454225898	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1477.4402224422	Sum of GTIs [s]
			l1events	27470	Number of level 1 events

2.1.4 Events

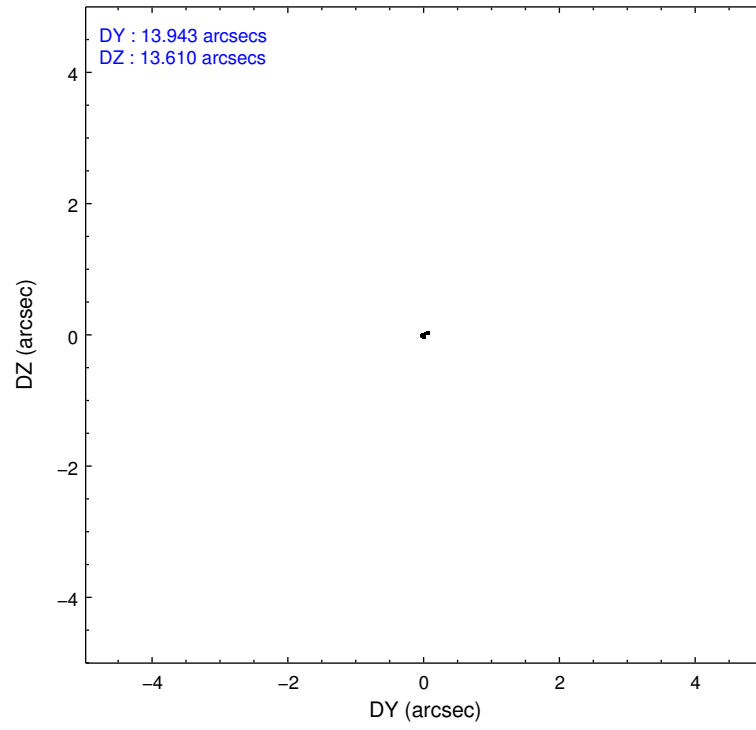
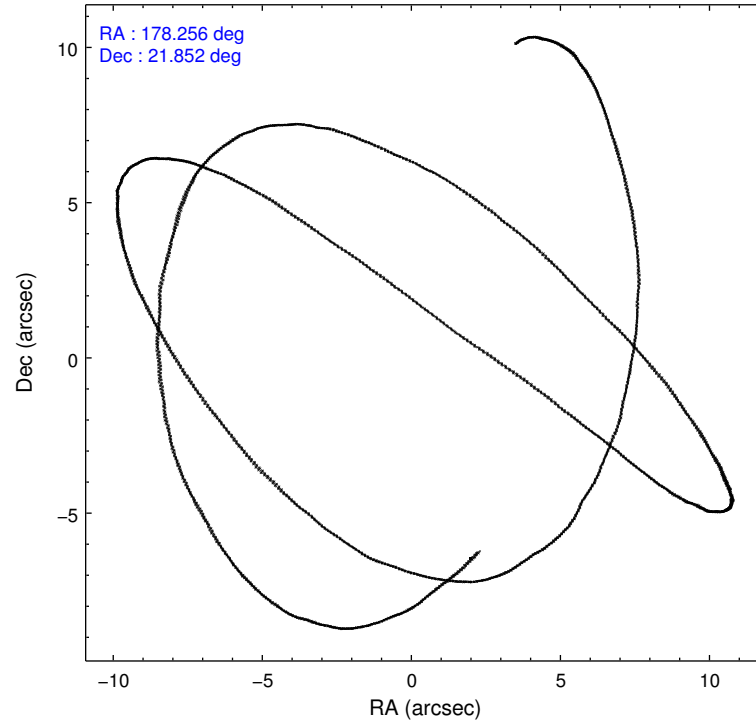
	ccd 6	ccd 7	ccd 8
level 1 events	7461	8959	11050
rejected events	6520	4666	8653
rejected %	87%	52%	78%

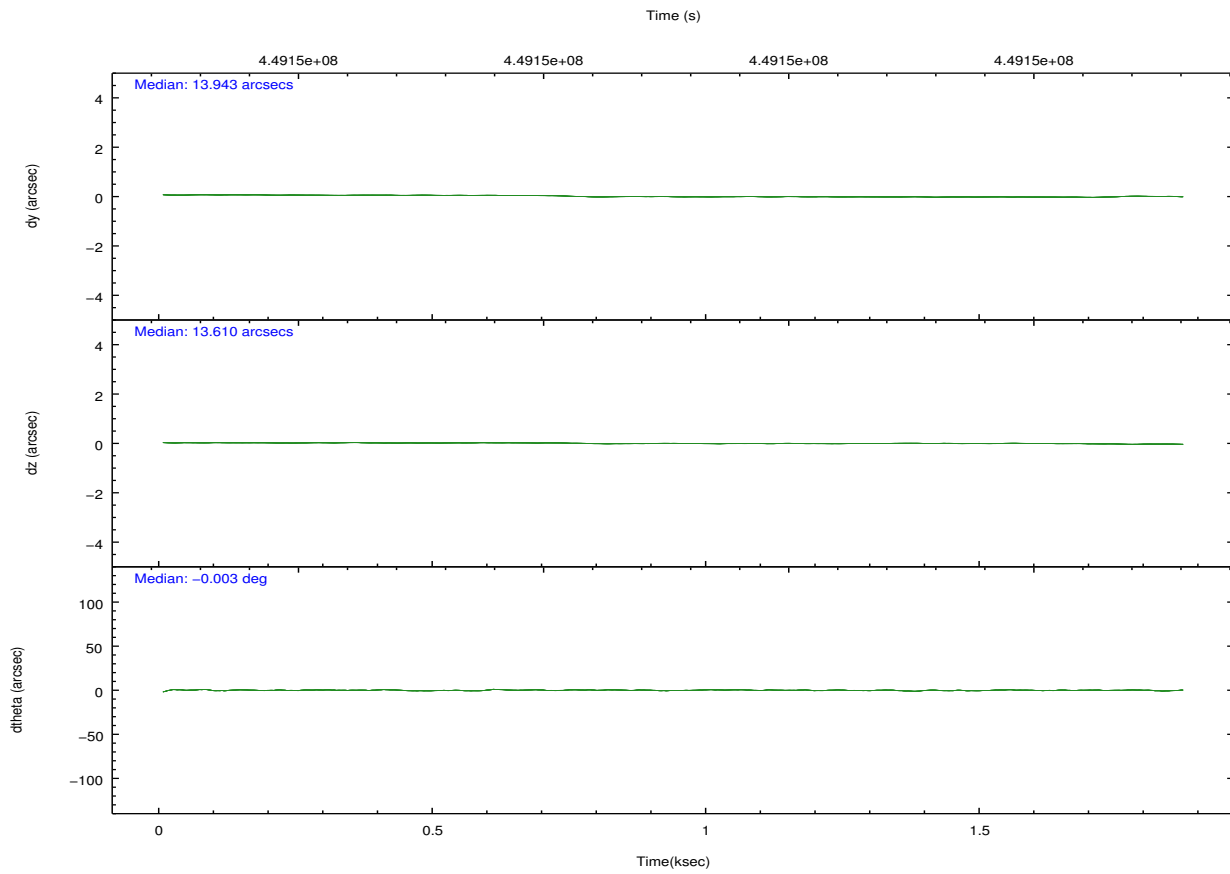
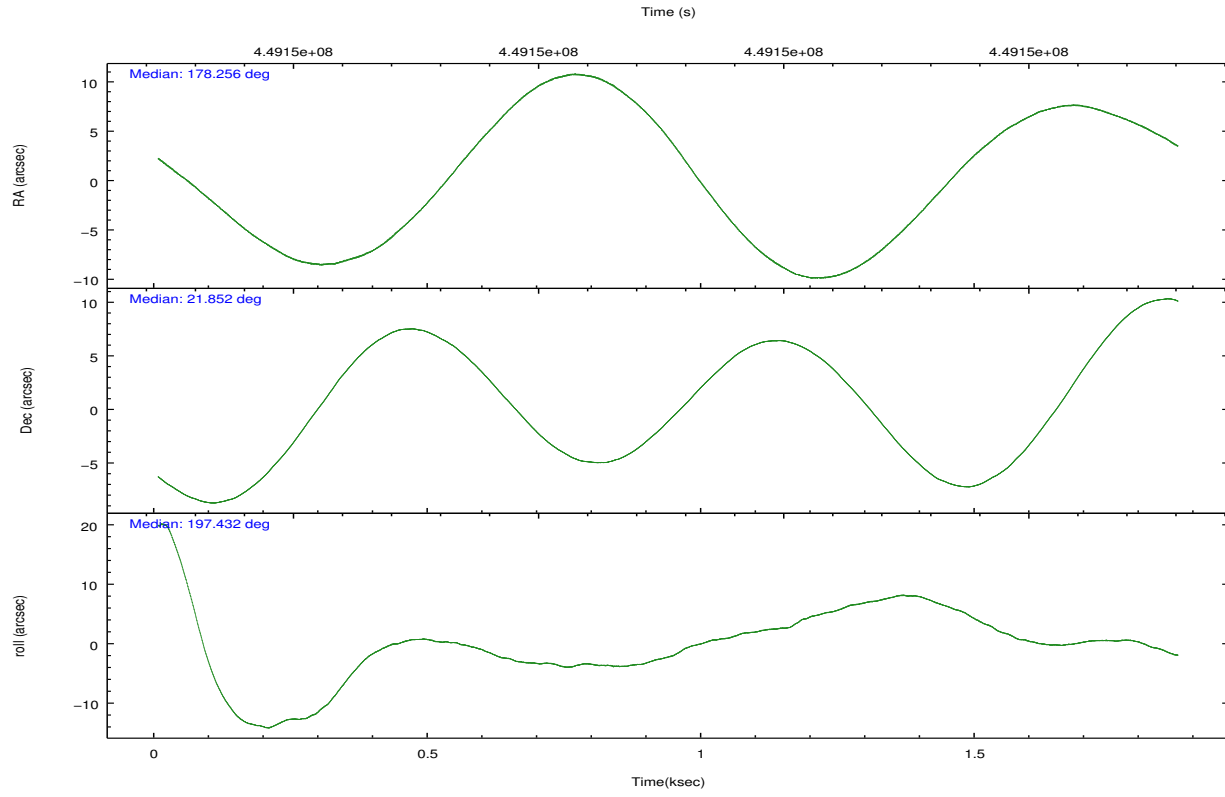
	ccd 6	ccd 7	ccd 8
grade 0 events	372	416	717
	4%	4%	6%
grade 1 events	1	11	10
	0%	0%	0%
grade 2 events	197	928	539
	2%	10%	4%
grade 3 events	77	379	300
	1%	4%	2%
grade 4 events	110	387	275
	1%	4%	2%
grade 5 events	345	968	496
	4%	10%	4%
grade 6 events	188	2203	597
	2%	24%	5%
grade 7 events	6171	3667	8116
	82%	40%	73%

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	178.275443	178.2558062733913	Subarray requested	NONE	NONE
[deg] Pointing Dec	21.872295	21.85175909757825	Alternating exposures requested	N	N
[deg] Pointing Roll	197.276159	197.4401662377315	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	449152512.184000	449151847.58691			
Observation start date	2012-03-26T12:34:06	2012-03-26T12:24:07			
[s] Observation end time (MET)	449154192.184000	449155092.22458			
Observation end date	2012-03-26T13:02:06	2012-03-26T13:18:12			
Read mode	TIMED	TIMED			

2.3 Aspect



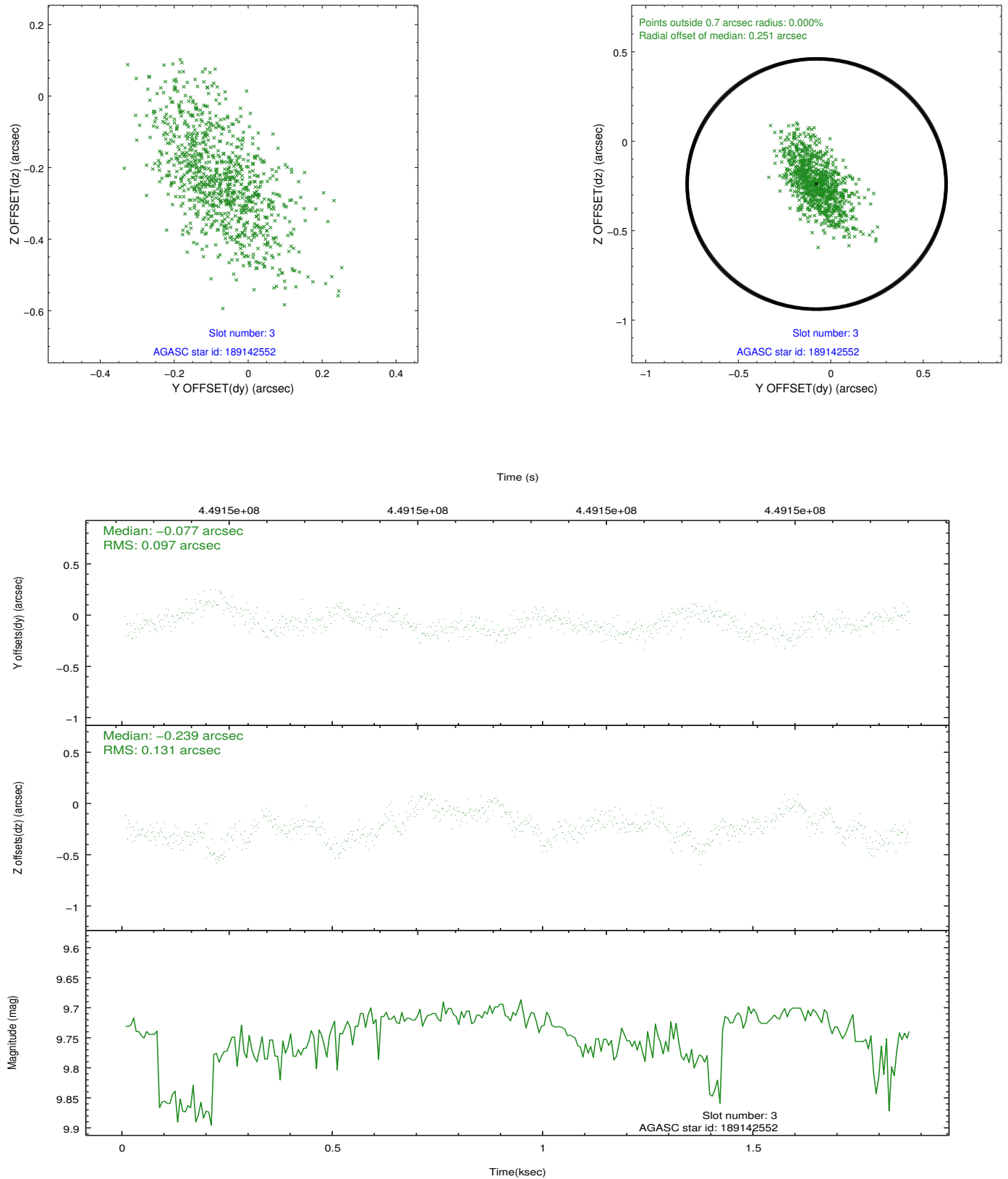


Slot Statistics

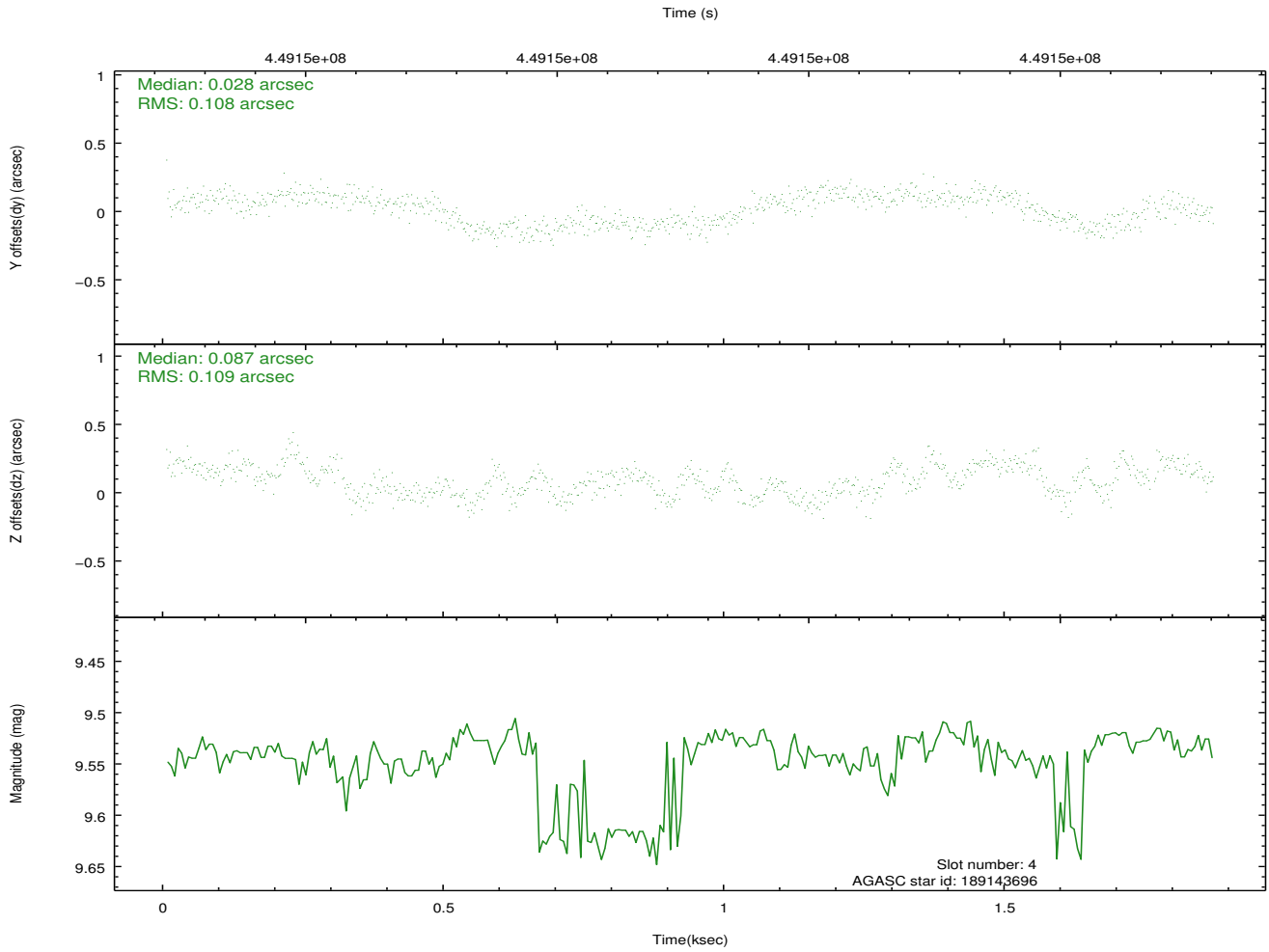
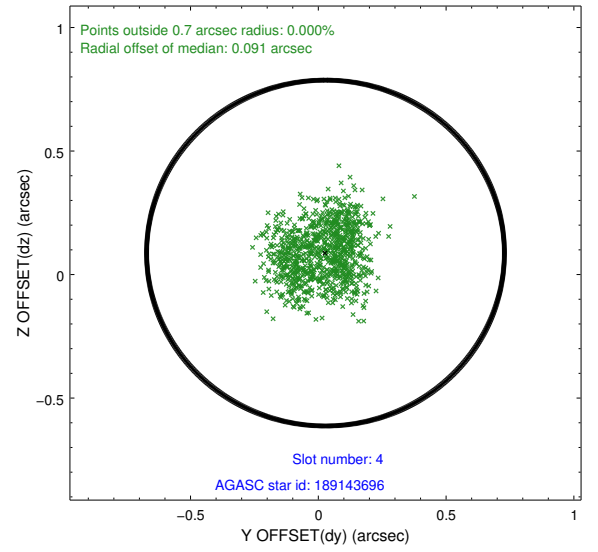
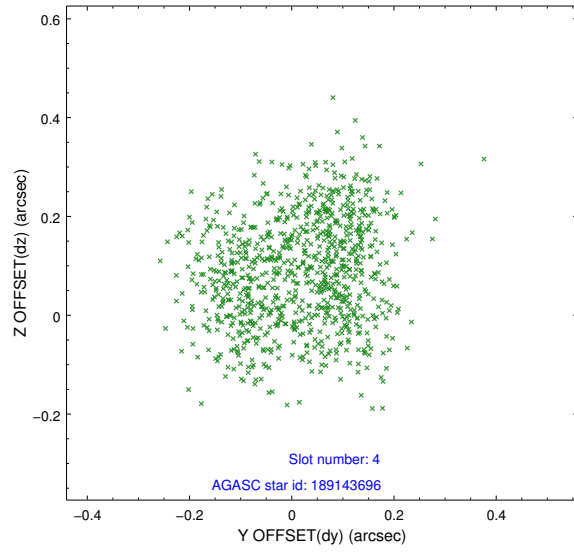
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.03	455	-0.147	-0.098	0.005	0.010	0.000000	0.000000	-767.09	-1734.98
1	FID	ACIS-S-4	7.11	455	0.181	0.071	0.006	0.011	0.000000	0.000000	2144.95	169.94
2	FID	ACIS-S-6	7.25	455	-0.062	0.035	0.007	0.011	0.000000	0.000000	399.56	811.36
3	GUIDE	189142552	9.74	902	-0.077	-0.239	0.168	0.296	178.145096	21.499507	815.35	1151.37
4	GUIDE	189143696	9.54	903	0.028	0.087	0.166	0.249	178.041363	22.456622	120.68	-2239.17
5	GUIDE	189146080	10.10	911	-0.102	-0.054	0.219	0.340	178.200399	21.321445	829.12	1816.31
6	GUIDE	189143056	8.87	911	0.051	0.113	0.106	0.168	178.910269	22.159193	-2327.77	-359.86
7	GUIDE	260185200	8.88	910	0.128	0.110	0.118	0.179	178.507382	22.643527	-1562.46	-2423.50

2.4 Star Slots

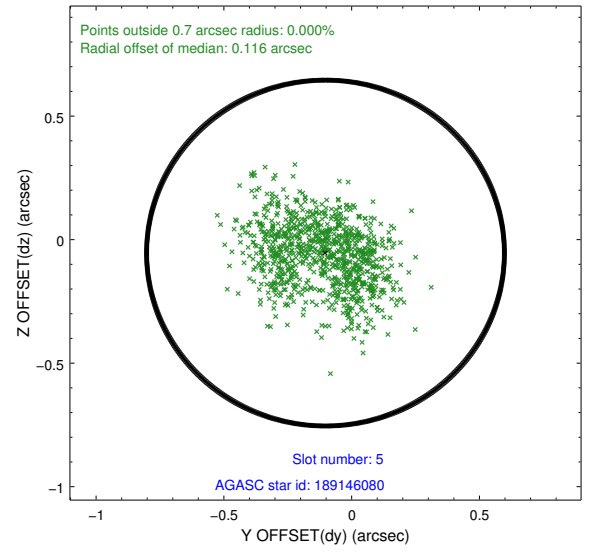
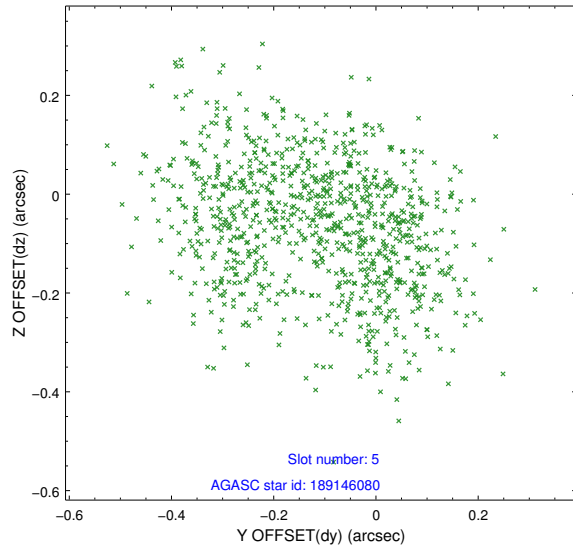
2.4.1 Slot 3



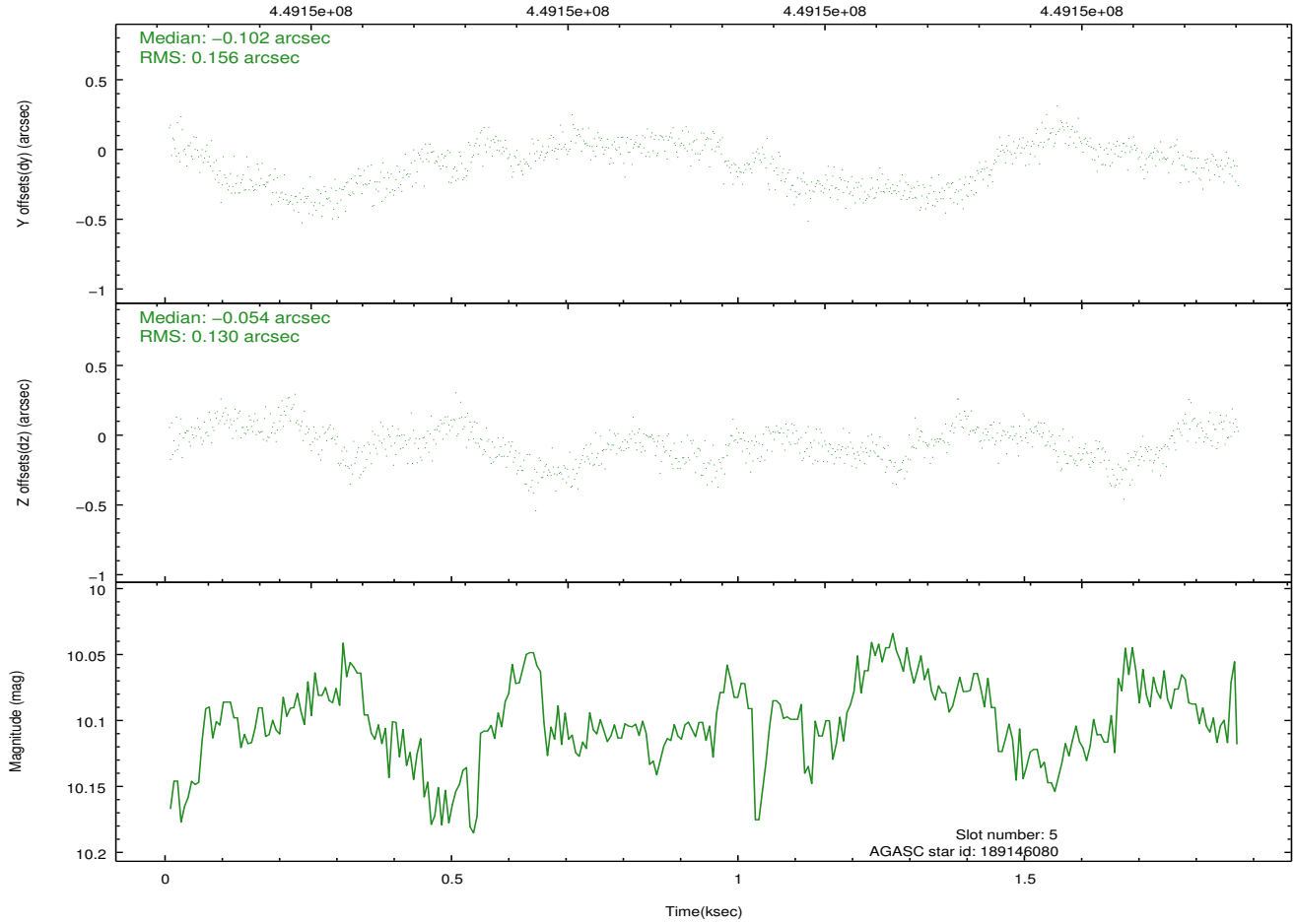
2.4.2 Slot 4



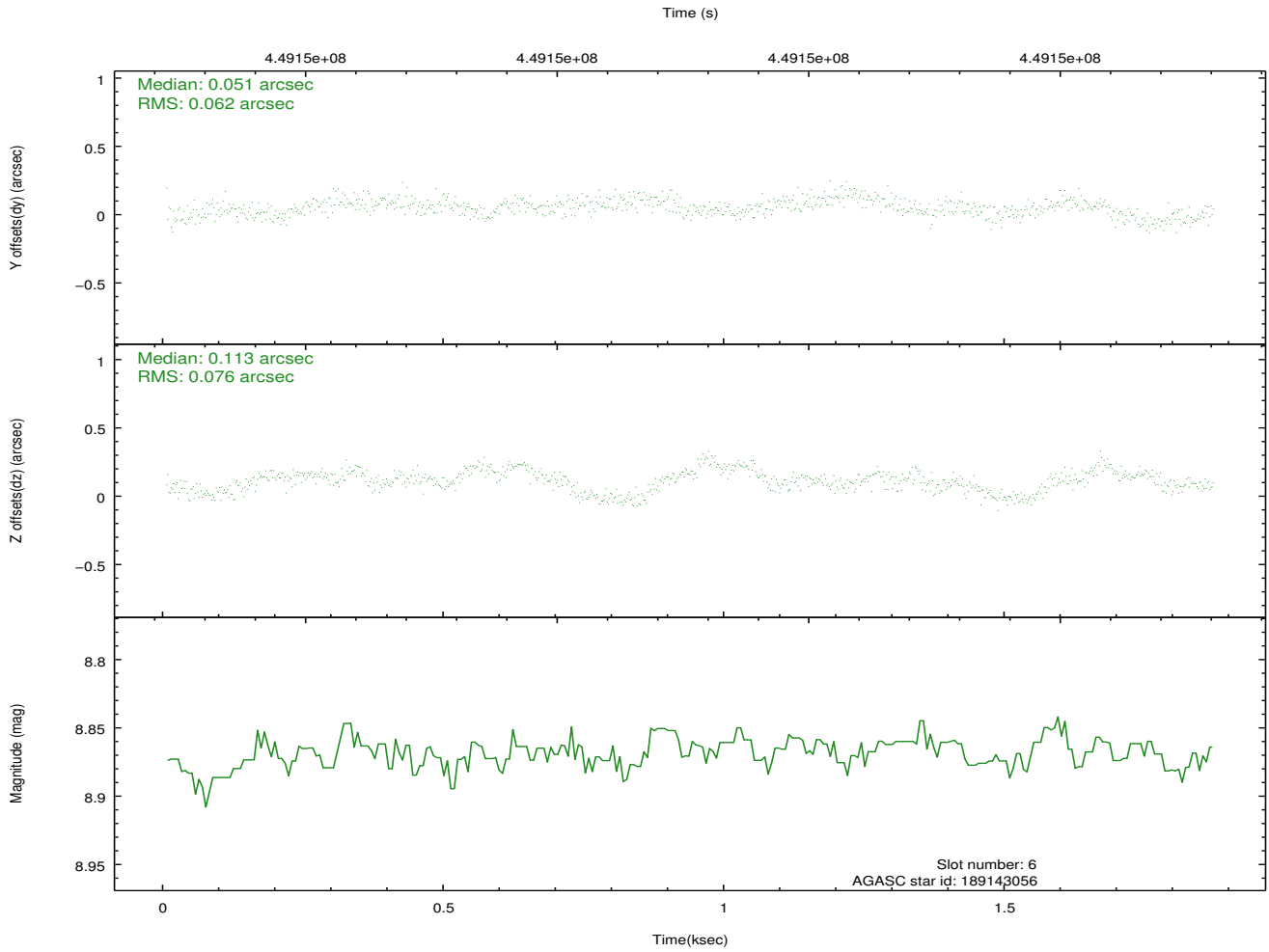
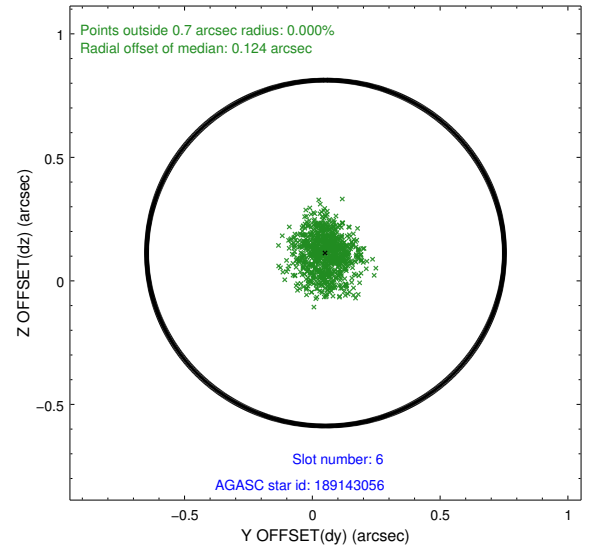
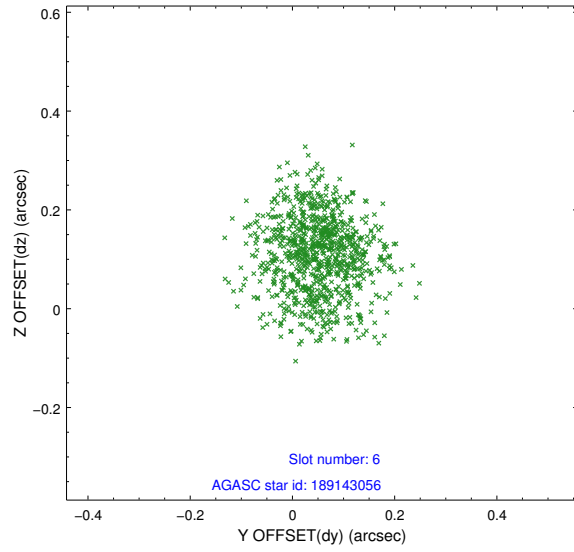
2.4.3 Slot 5



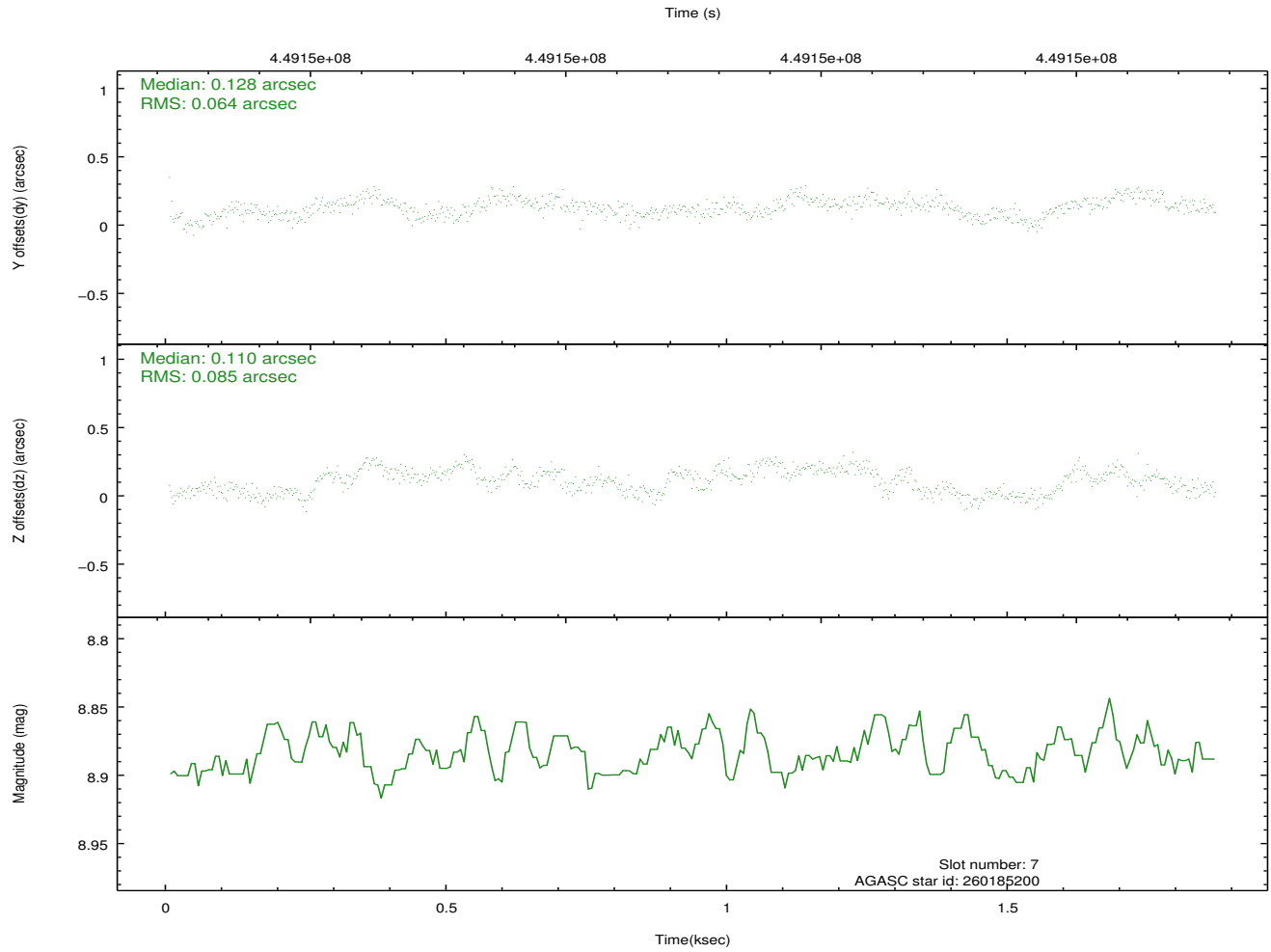
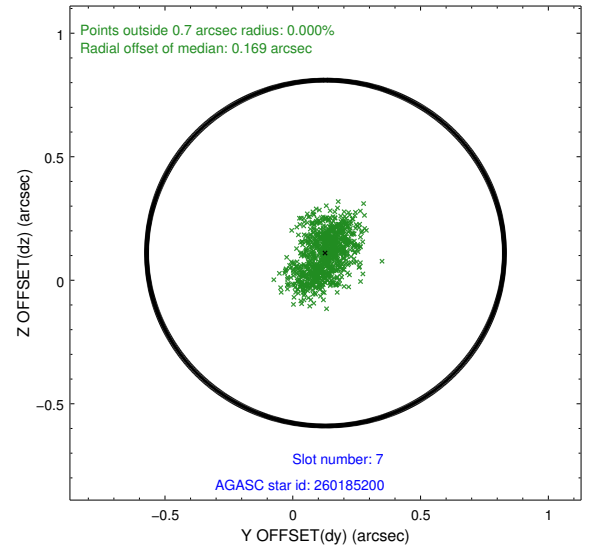
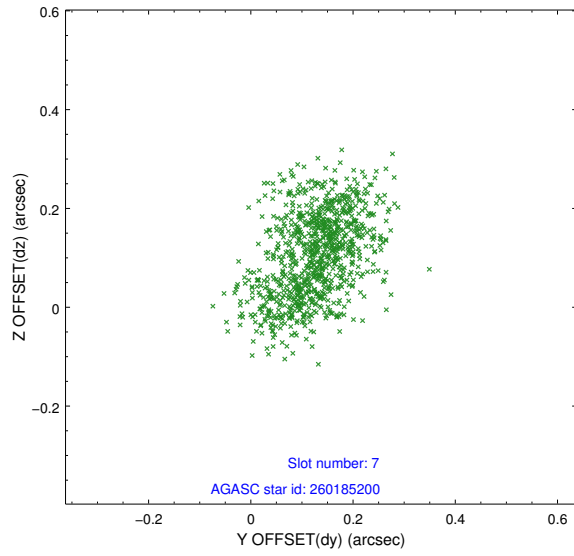
Time (s)



2.4.4 Slot 6

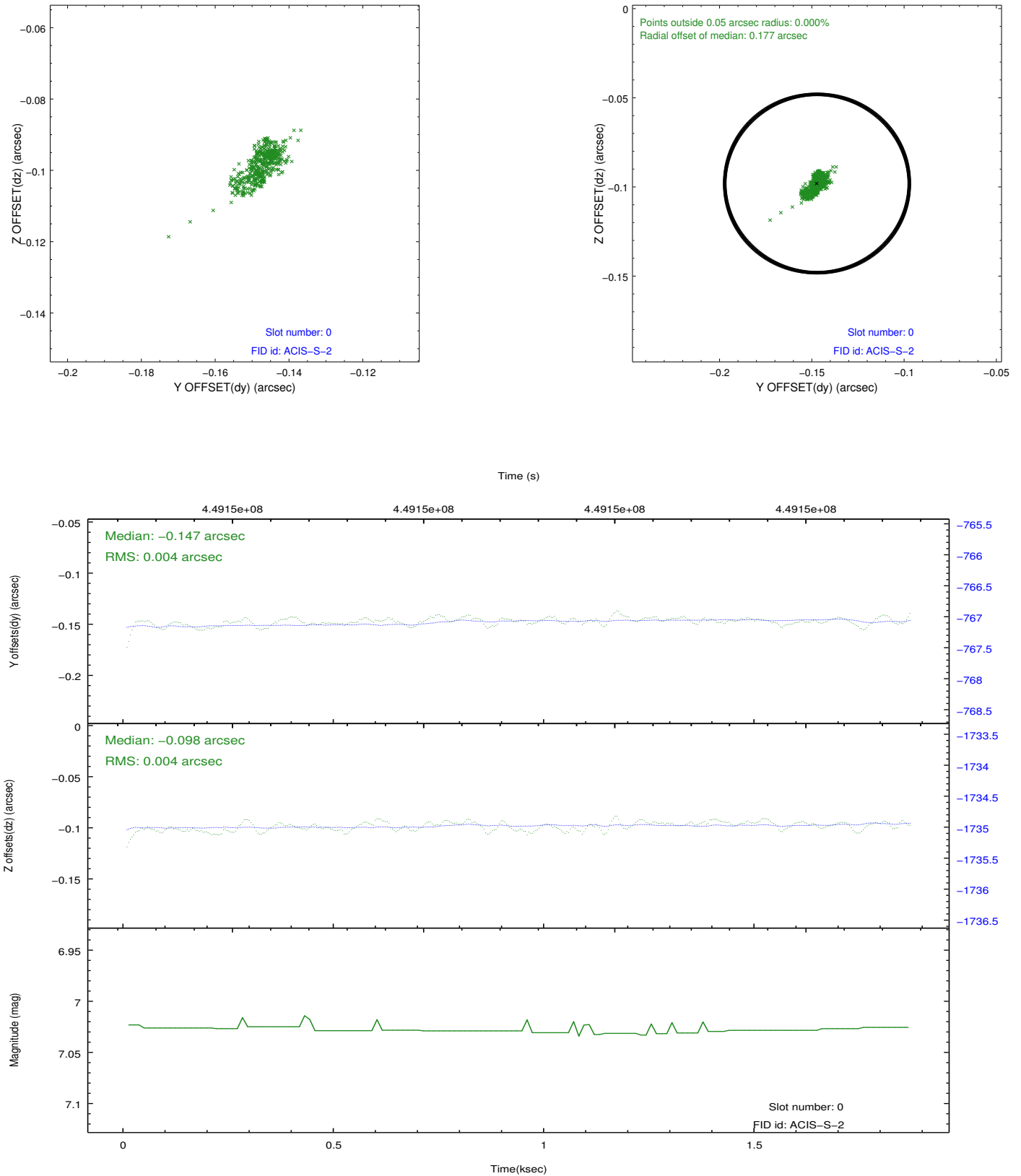


2.4.5 Slot 7

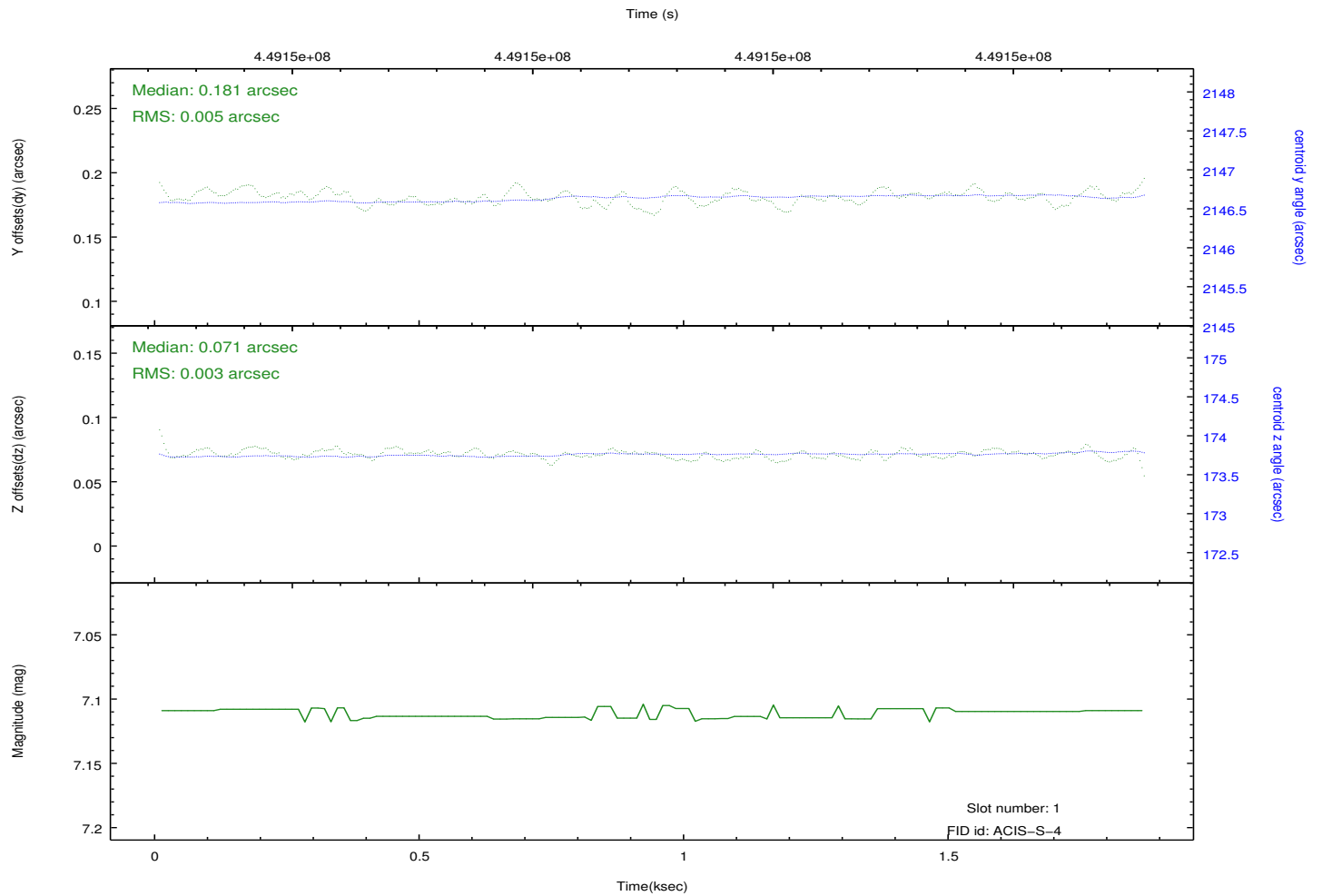
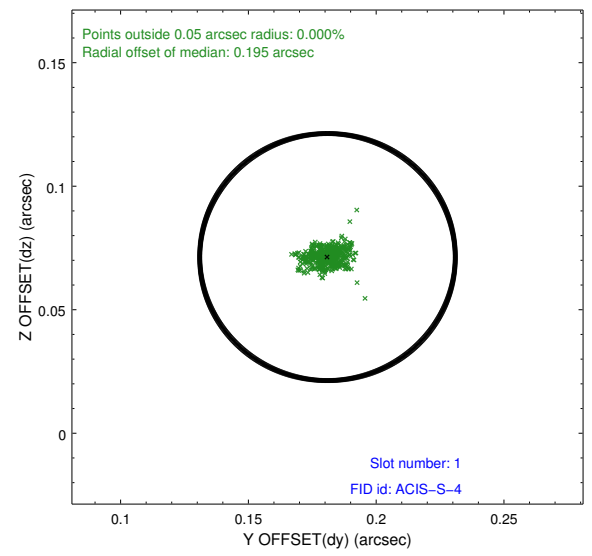
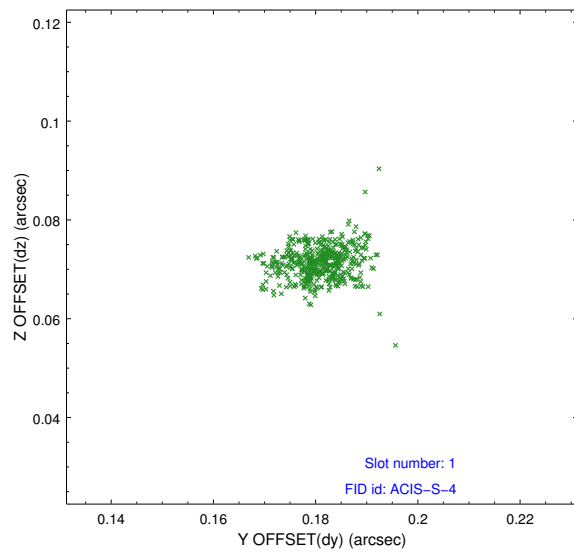


2.5 FID Slots

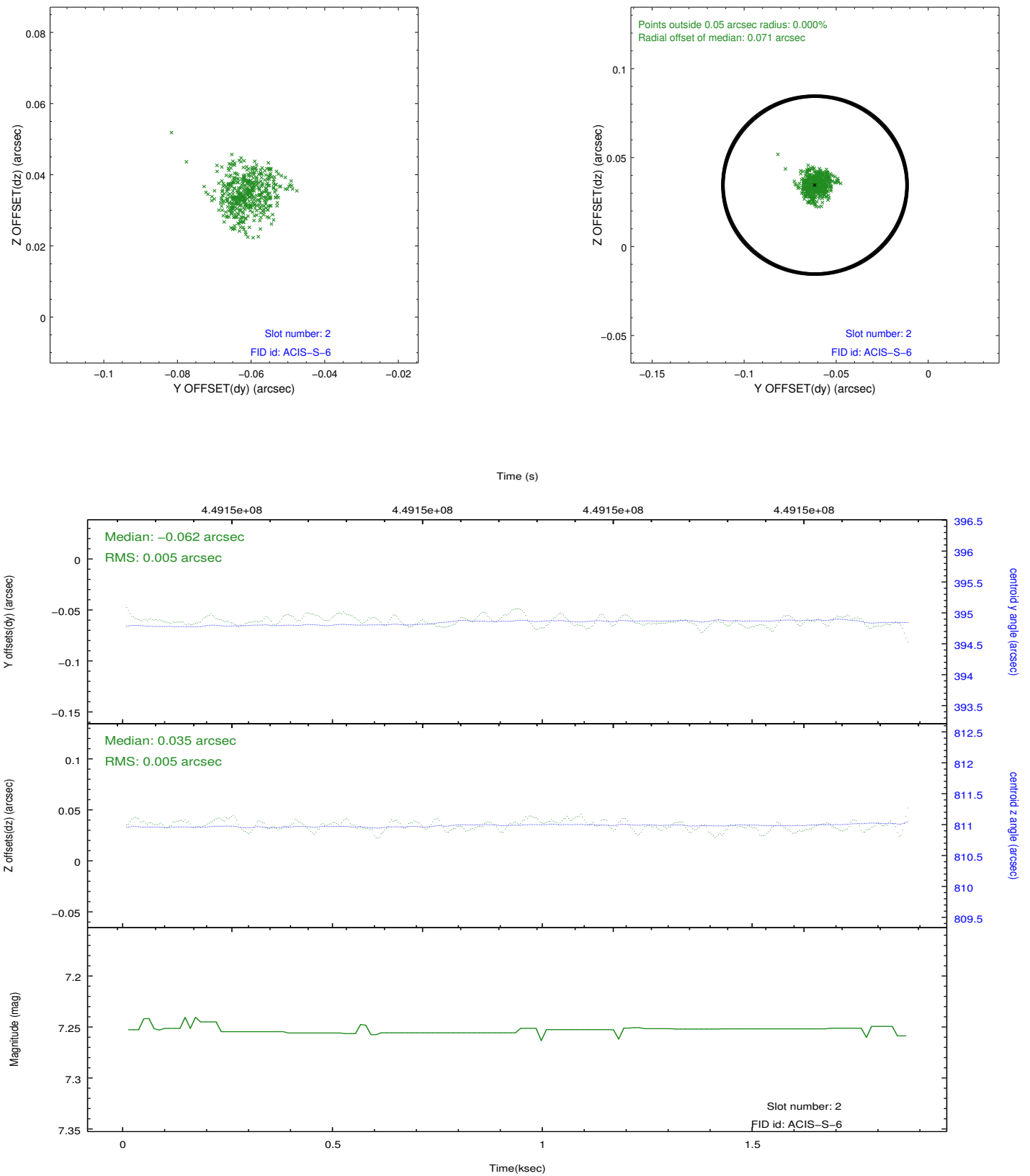
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.4869454225898

A.2 Comments