

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 13325 - L2 Version 1
Chandra X-Ray Center

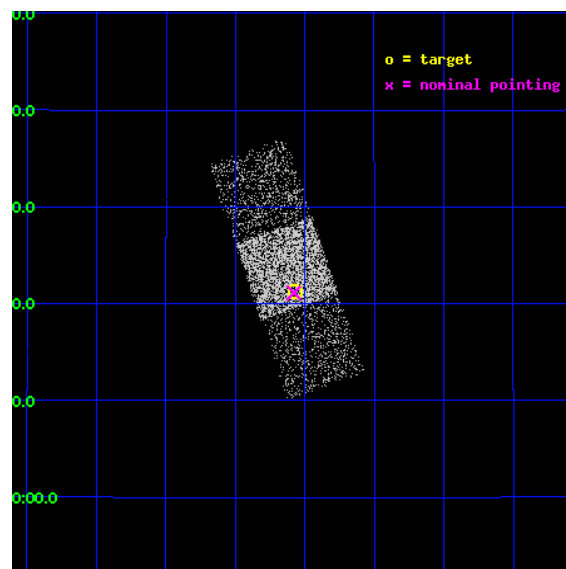
L2 Processing Date : May 28 2012

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1 Front

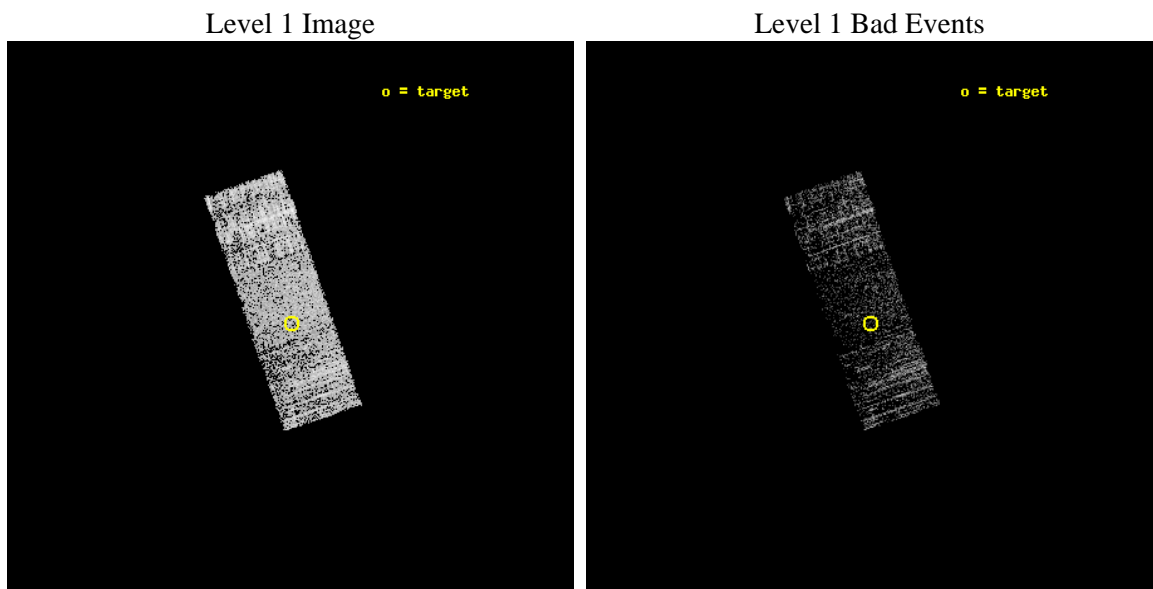
seq_num	702532	Sequence number
obs_id	13325	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J0947+1421	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	146.8925	Observer's specified target RA [deg]
dec_targ	14.354694	Observer's specified target Dec [deg]
ra_nom	146.89470324245	Nominal RA [deg]
dec_nom	14.352183746566	Nominal Dec [deg]
roll_nom	250.96377709655	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	6462	Number of level 2 events



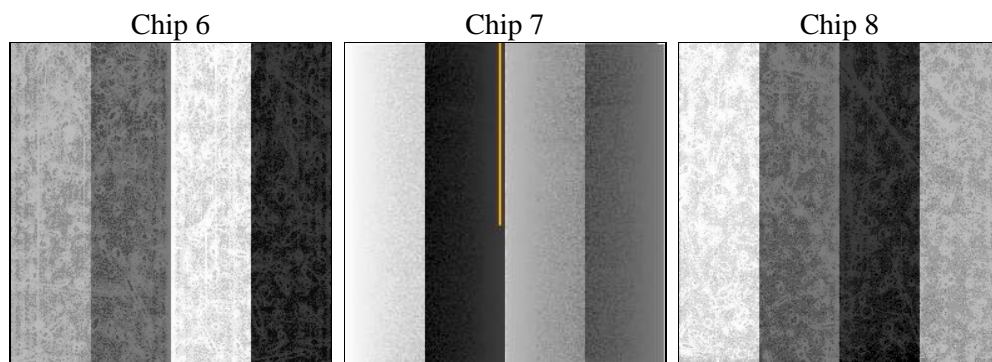
2 OBI

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	2012-05-28T17:32:52	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	33350	Number of level 1 events

2.1.4 Events

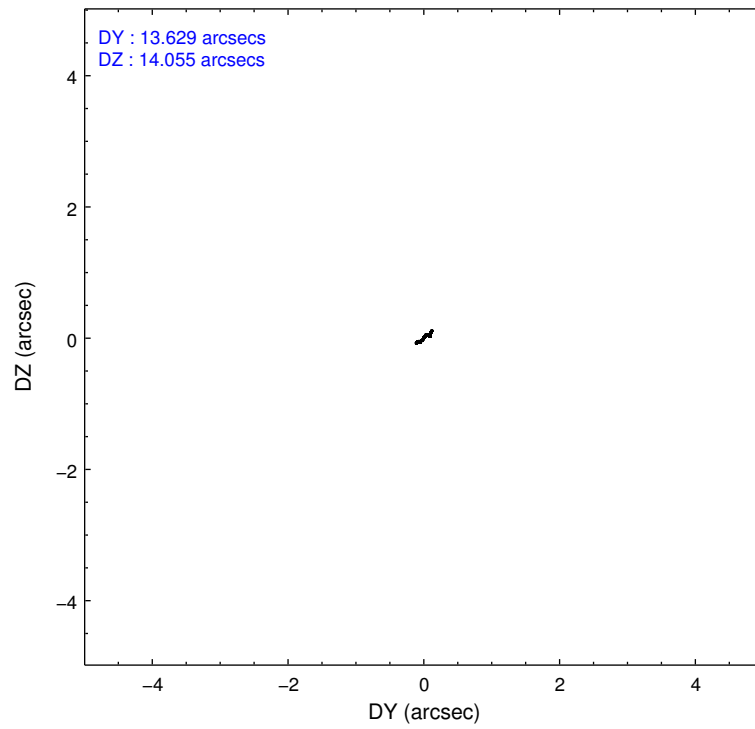
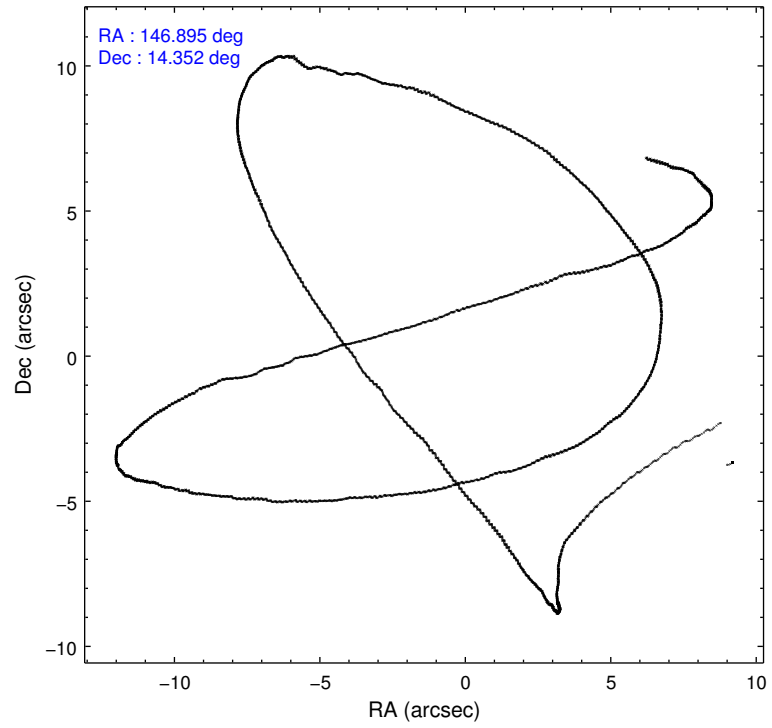
	ccd 6	ccd 7	ccd 8
level 1 events	9544	9669	14137
rejected events	8485	5000	9312
rejected %	88%	51%	65%

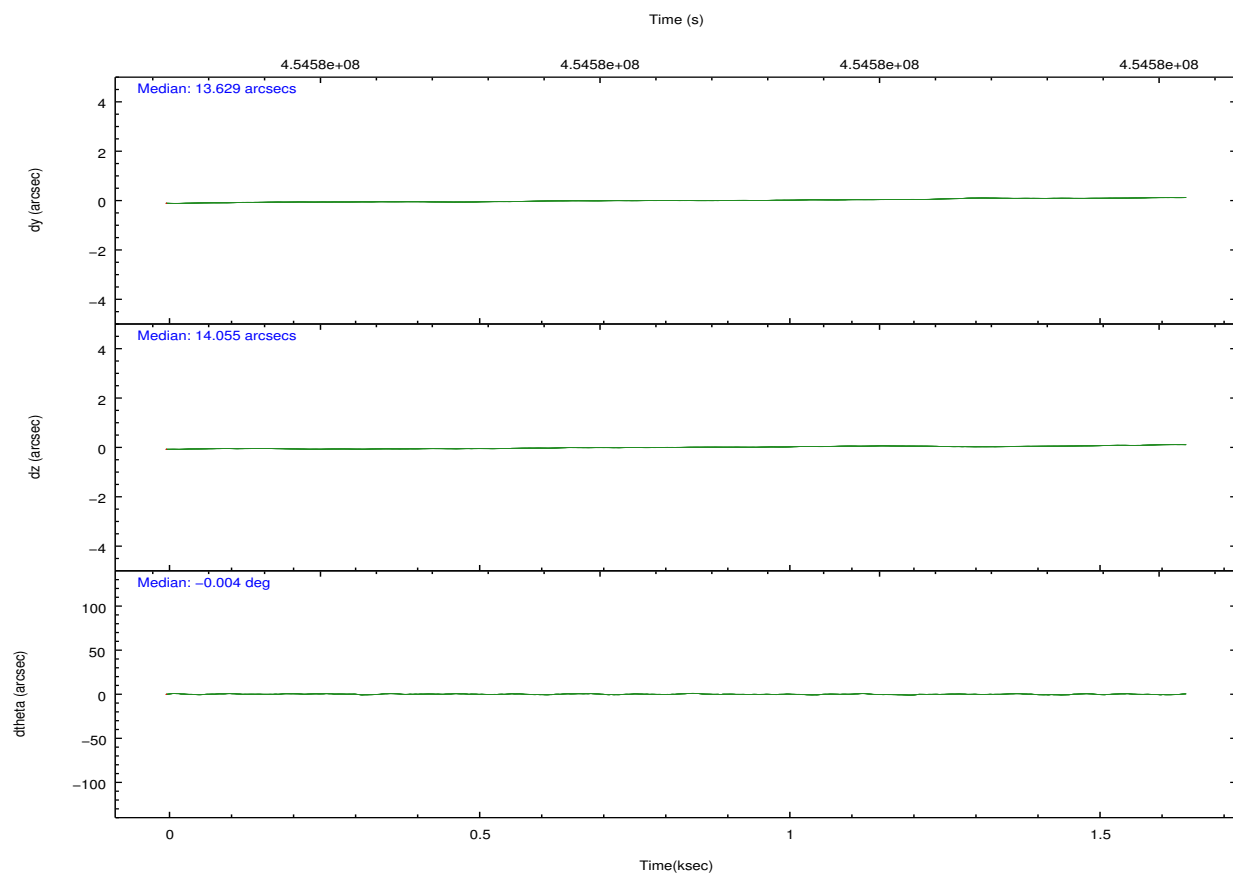
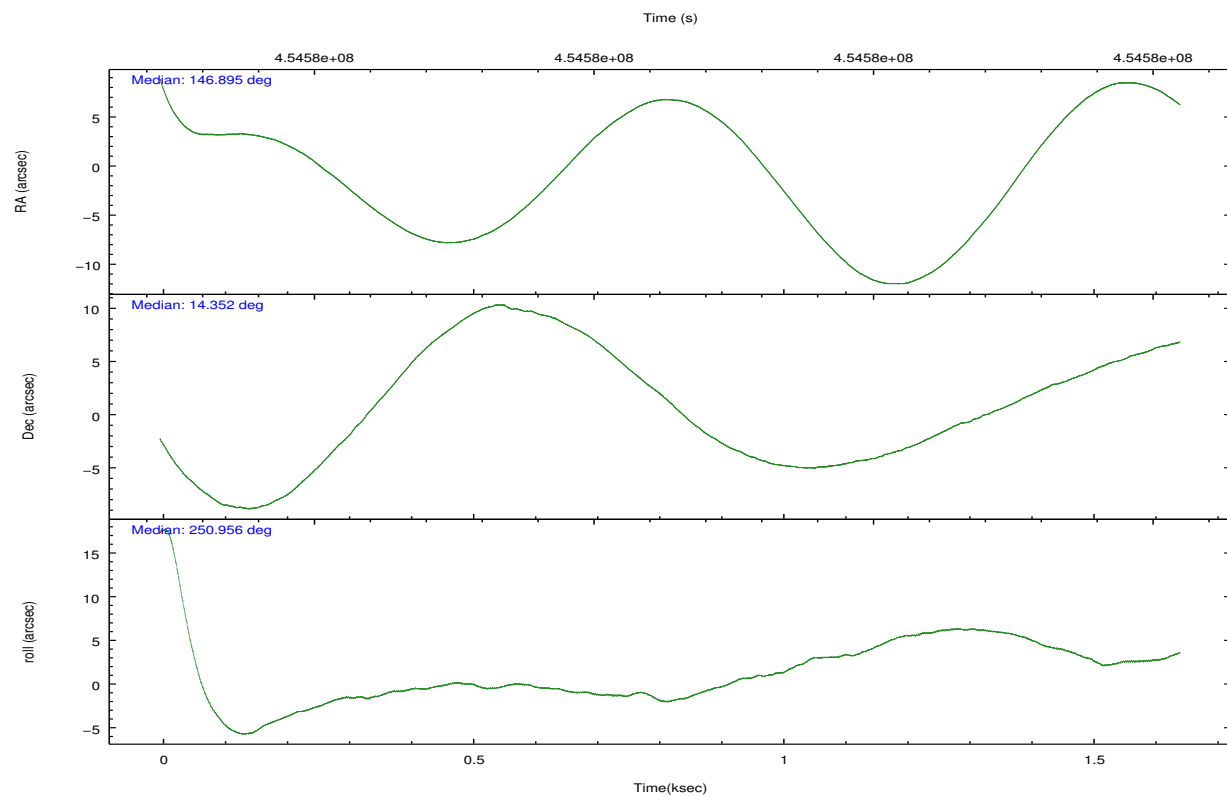
	ccd 6	ccd 7	ccd 8
grade 0 events	387	474	1262
	4%	4%	8%
grade 1 events	7	14	13
	0%	0%	0%
grade 2 events	263	1015	929
	2%	10%	6%
grade 3 events	103	411	619
	1%	4%	4%
grade 4 events	102	402	593
	1%	4%	4%
grade 5 events	363	1031	625
	3%	10%	4%
grade 6 events	210	2384	1435
	2%	24%	10%
grade 7 events	8109	3938	8661
	84%	40%	61%

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	146.888692	146.8947032424527	Subarray requested	NONE	NONE
[deg] Pointing Dec	14.379096	14.35218374656555	Alternating exposures requested	N	N
[deg] Pointing Roll	250.808442	250.9637770965526	[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)	454580458.184000	454579280.78755			
Observation start date	2012-05-28T08:19:52	2012-05-28T08:01:20			
[s] Observation end time (MET)	454581958.184000	454582829.85024			
Observation end date	2012-05-28T08:44:52	2012-05-28T09:00:29			
Read mode	TIMED	TIMED			

2.3 Aspect



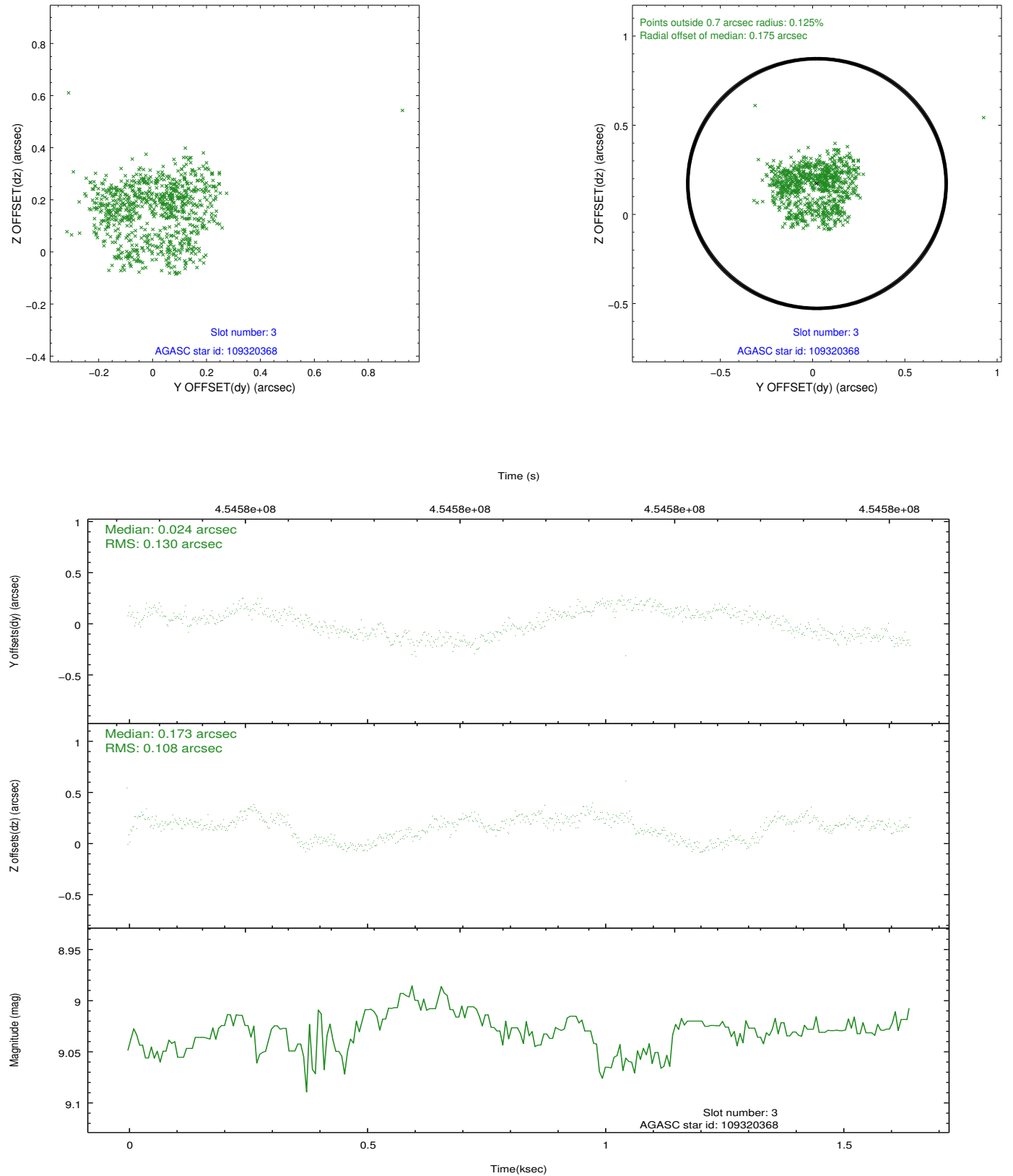


Slot Statistics

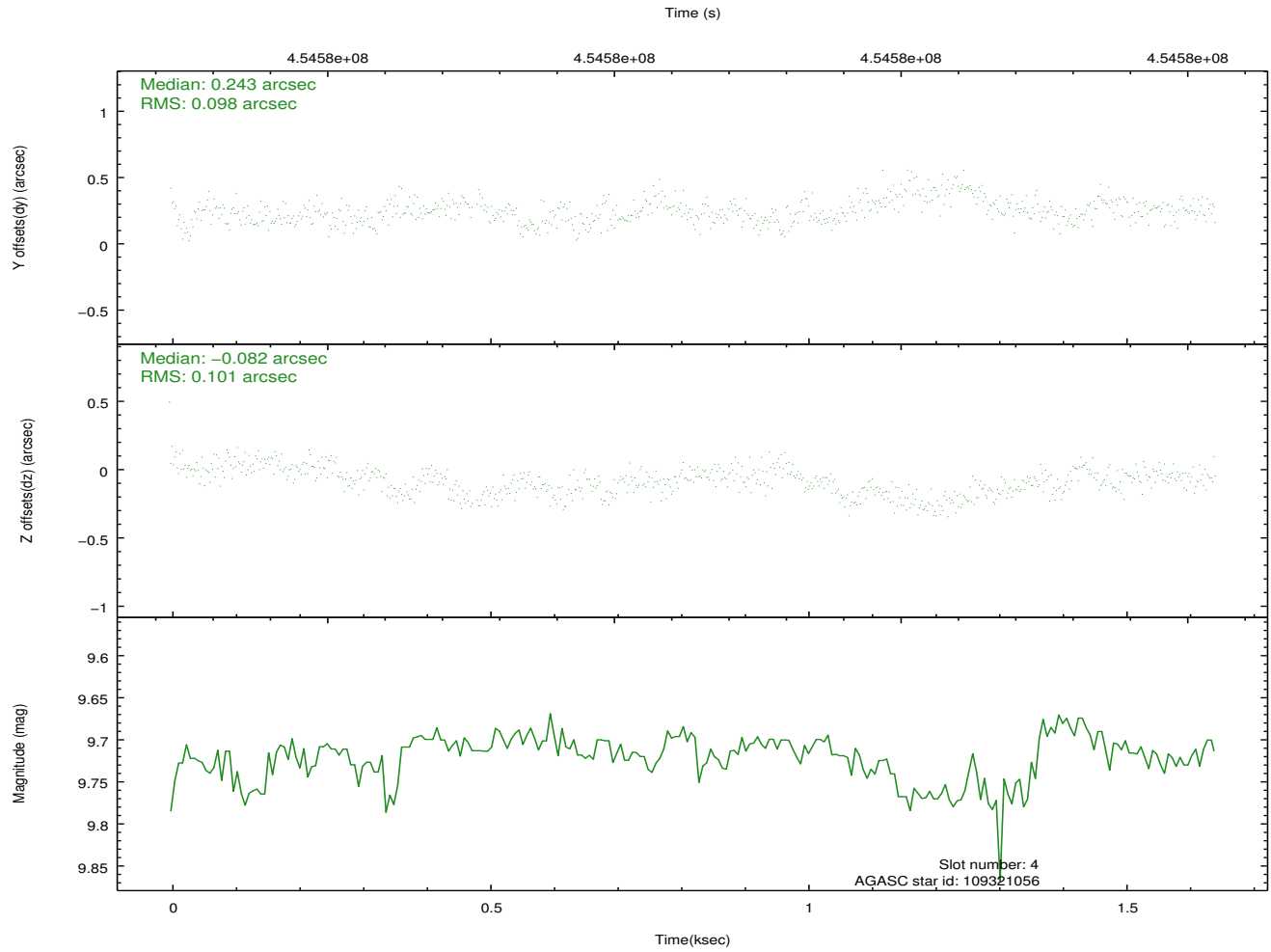
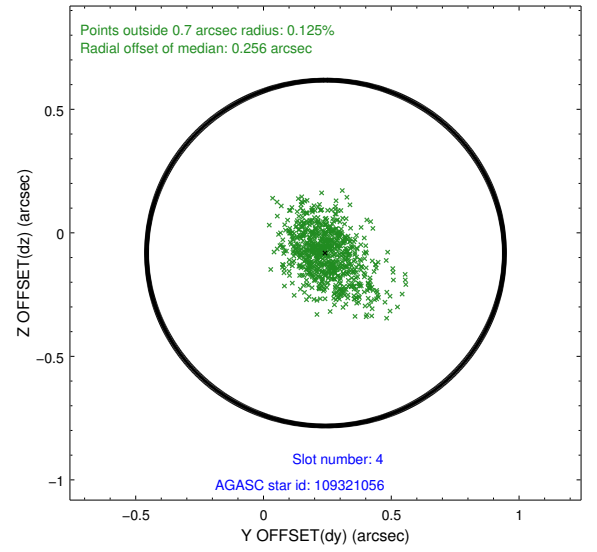
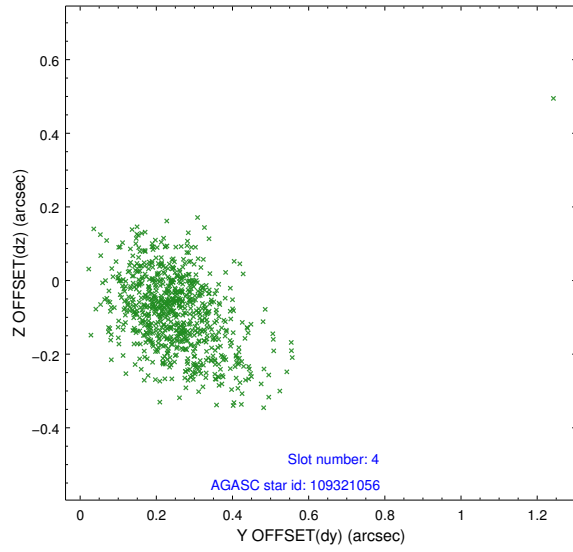
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.95	402	-0.063	-0.031	0.007	0.013	0.000000	0.000000	-766.63	-1735.39
1	FID	ACIS-S-4	7.03	402	0.209	0.039	0.007	0.014	0.000000	0.000000	2145.08	169.00
2	FID	ACIS-S-5	7.06	402	-0.177	0.001	0.007	0.012	0.000000	0.000000	-1814.45	167.20
3	GUIDE	109320368	9.03	803	0.024	0.173	0.186	0.255	146.751214	14.131748	1000.06	-161.28
4	GUIDE	109321056	9.72	800	0.243	-0.082	0.142	0.241	146.777577	13.990879	1449.02	91.88
5	GUIDE	109324488	8.62	802	-0.065	0.018	0.121	0.210	146.400108	14.886836	-1166.64	-2207.71
6	GUIDE	109325168	8.10	803	-0.193	-0.016	0.081	0.139	147.482941	14.562637	-1308.66	1733.54
7	GUIDE	109324168	8.79	802	0.007	-0.083	0.114	0.167	147.360975	13.674912	1848.02	2394.53

2.4 Star Slots

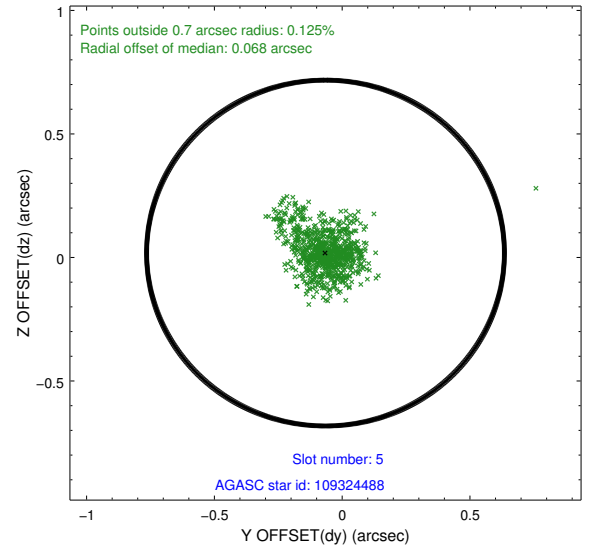
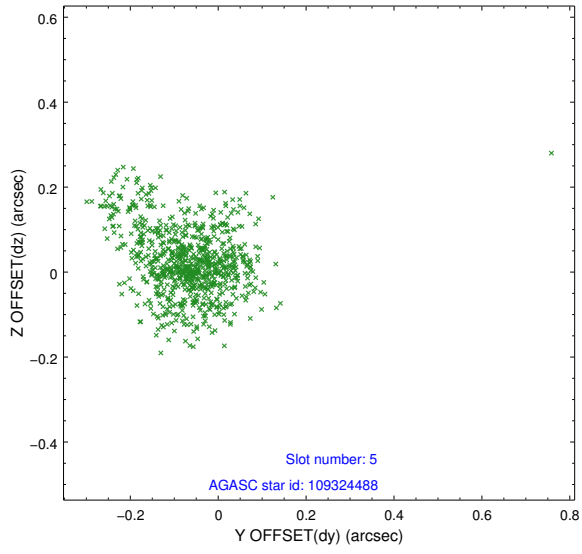
2.4.1 Slot 3



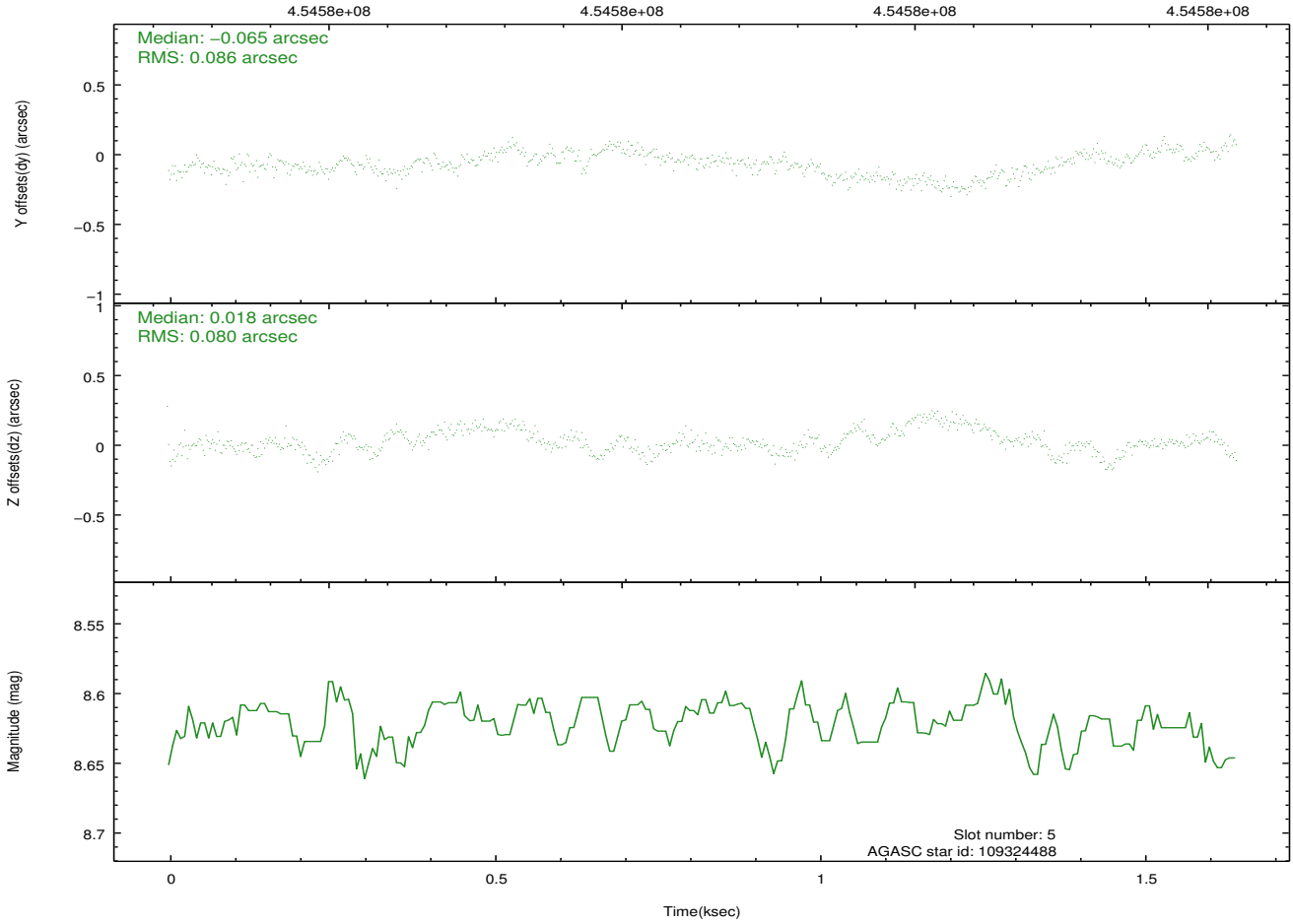
2.4.2 Slot 4



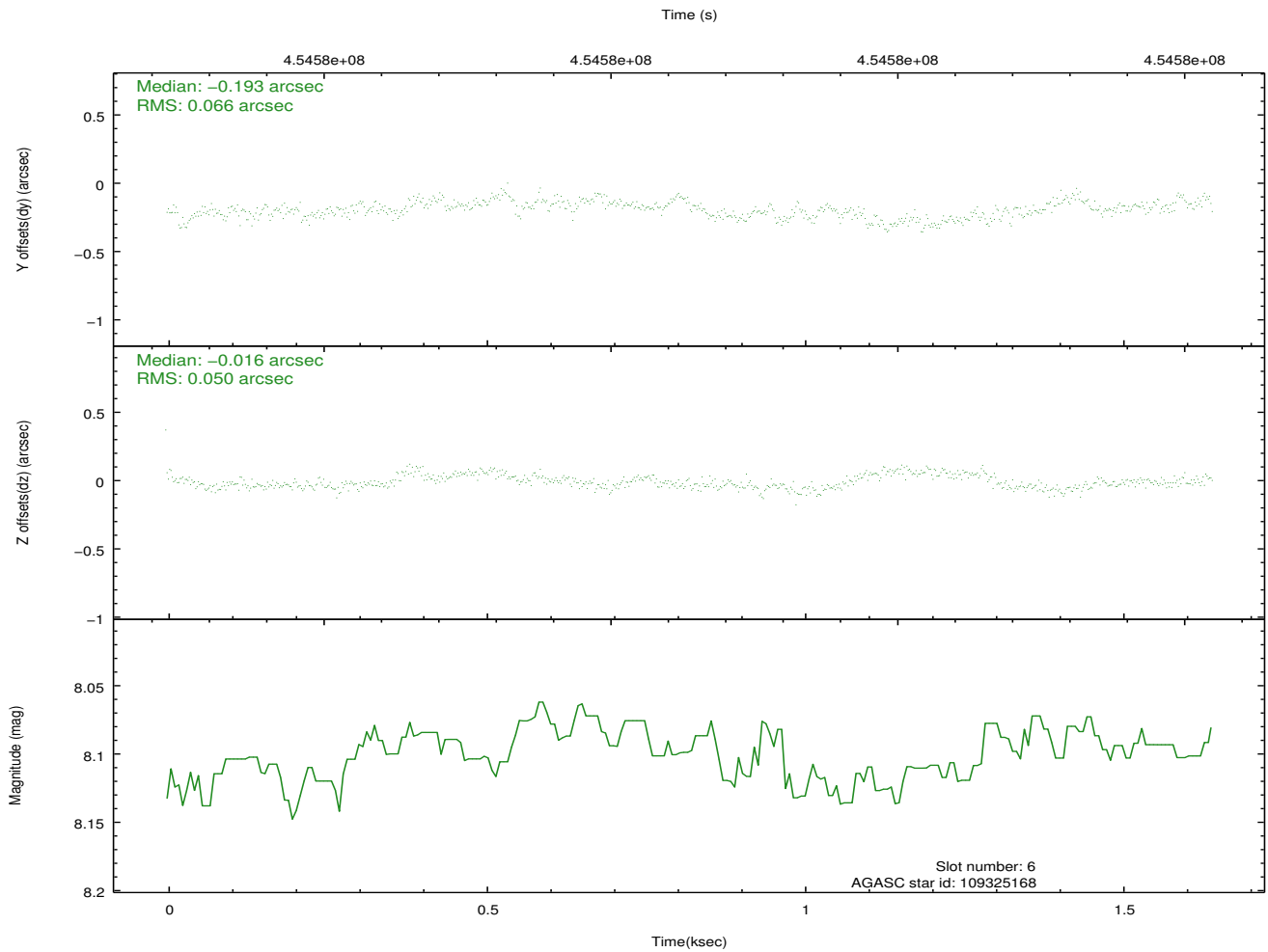
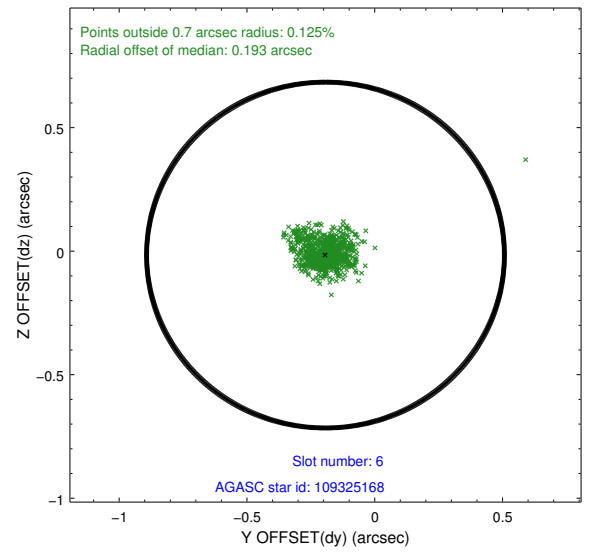
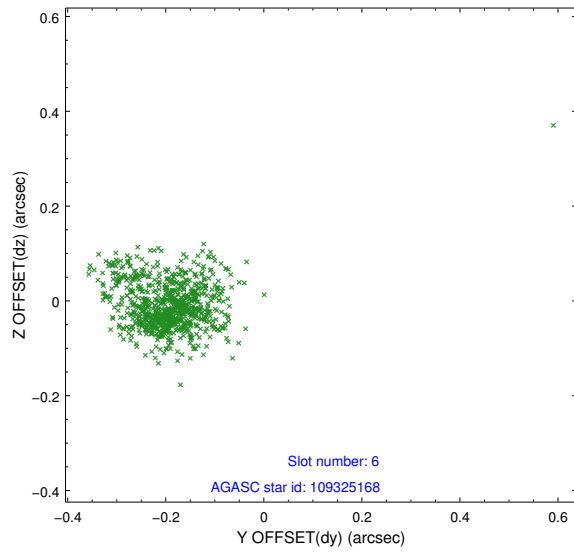
2.4.3 Slot 5



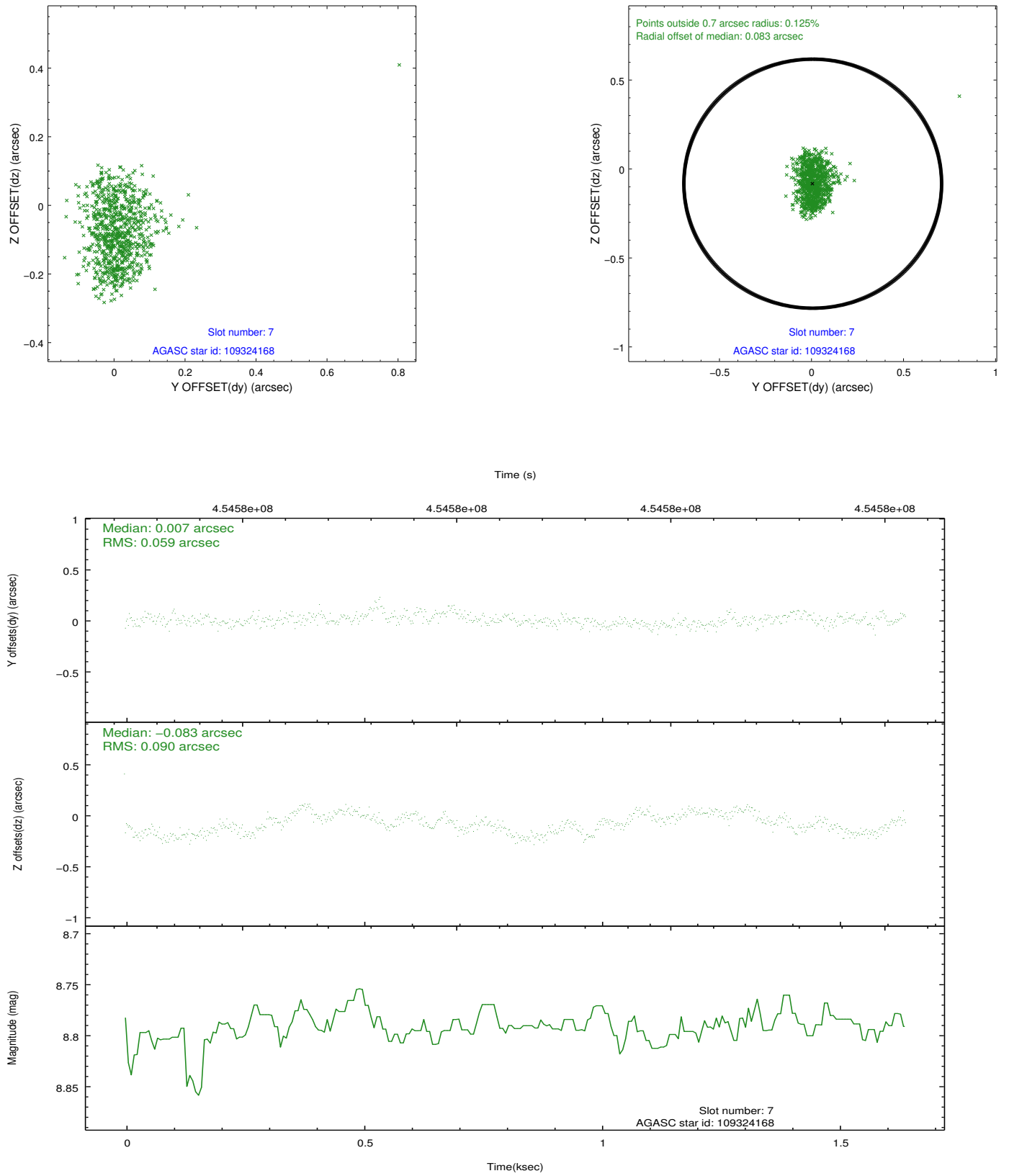
Time (s)



2.4.4 Slot 6

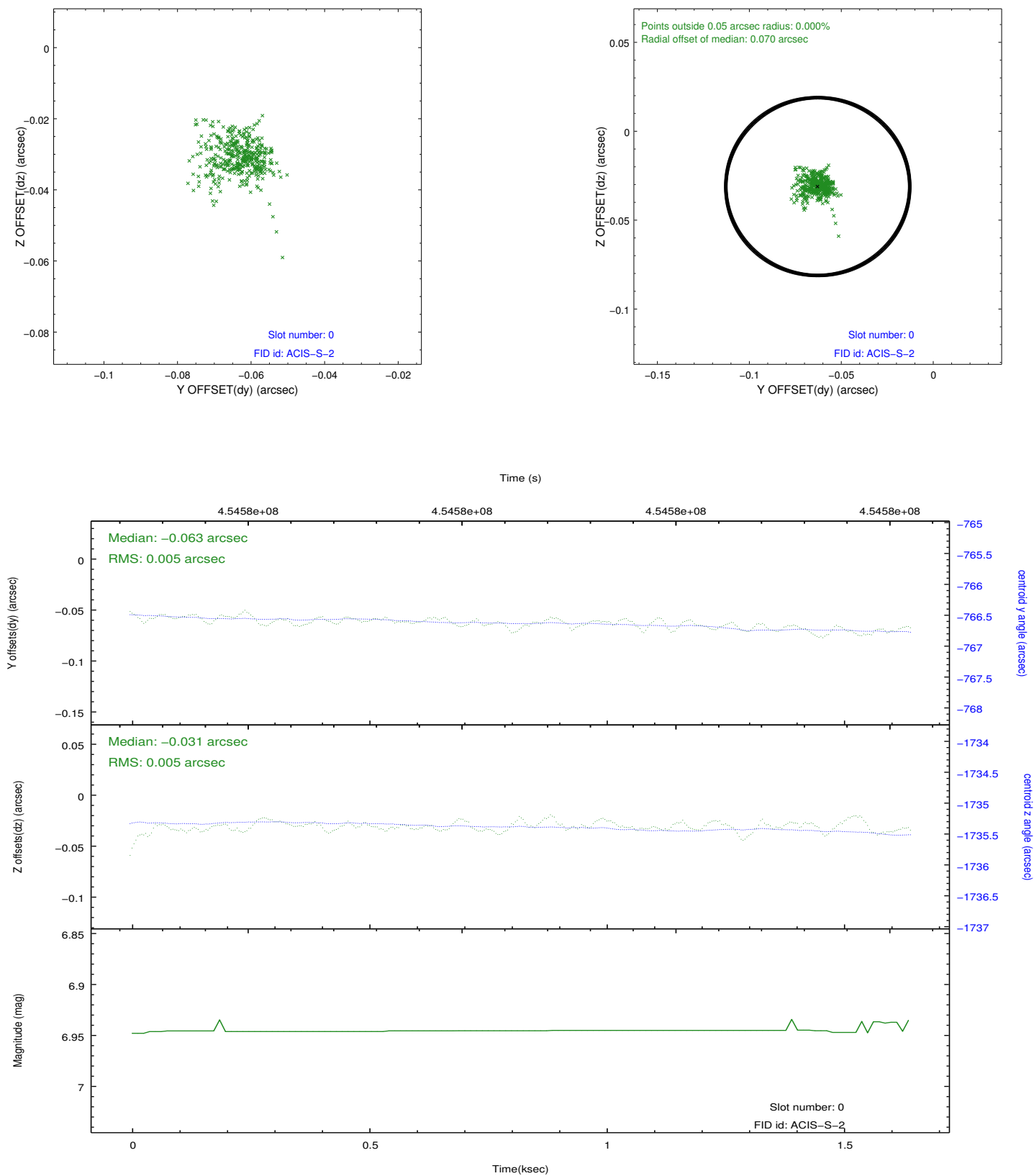


2.4.5 Slot 7

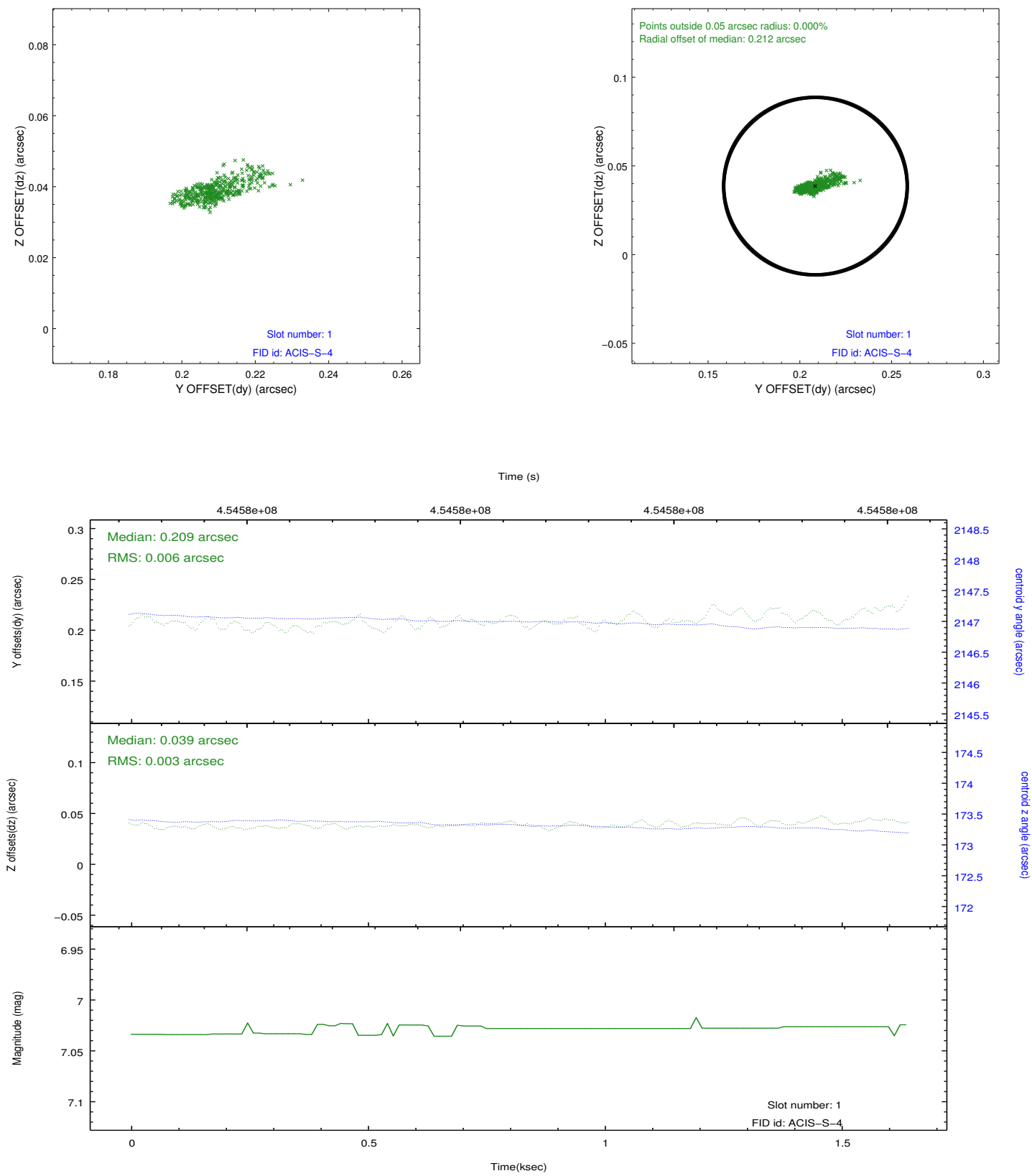


2.5 FID Slots

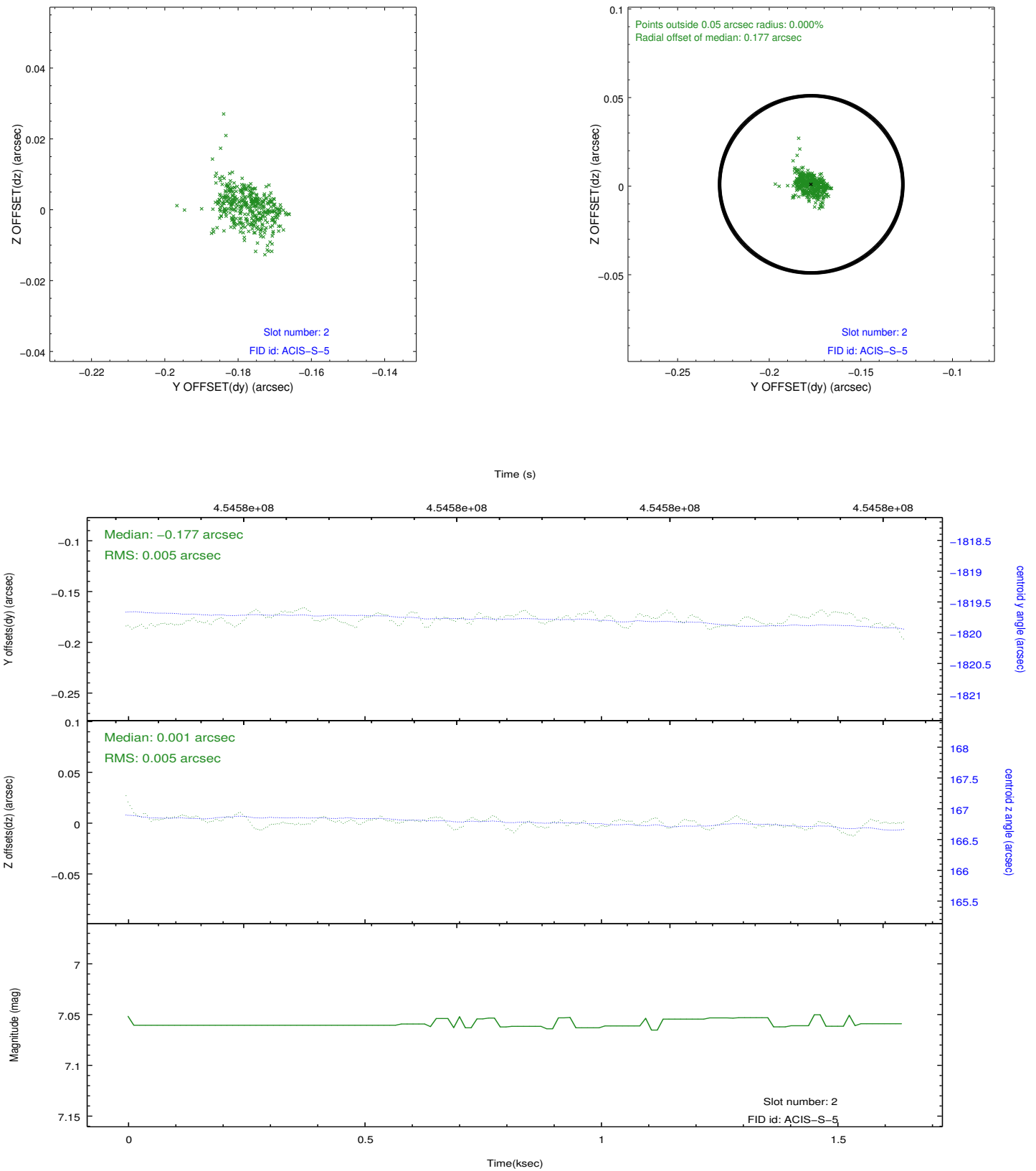
2.5.1 Slot 0



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)	2012.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5779000121355

A.2 Comments