

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 229 - L2 Version 4
Chandra X-Ray Center

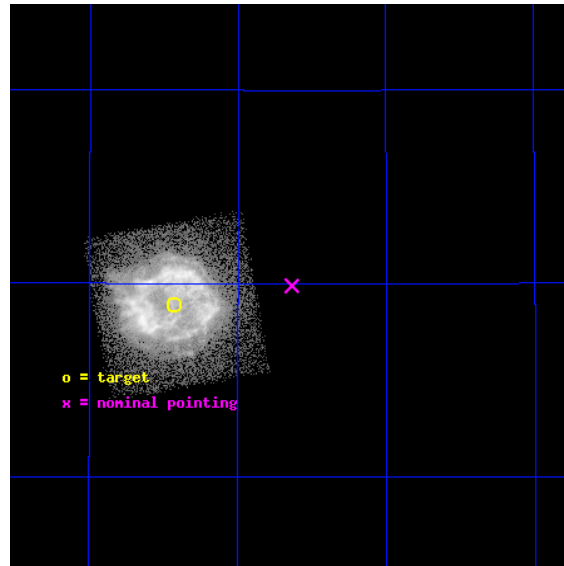
L2 Processing Date : Aug 23 2012

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1 Front

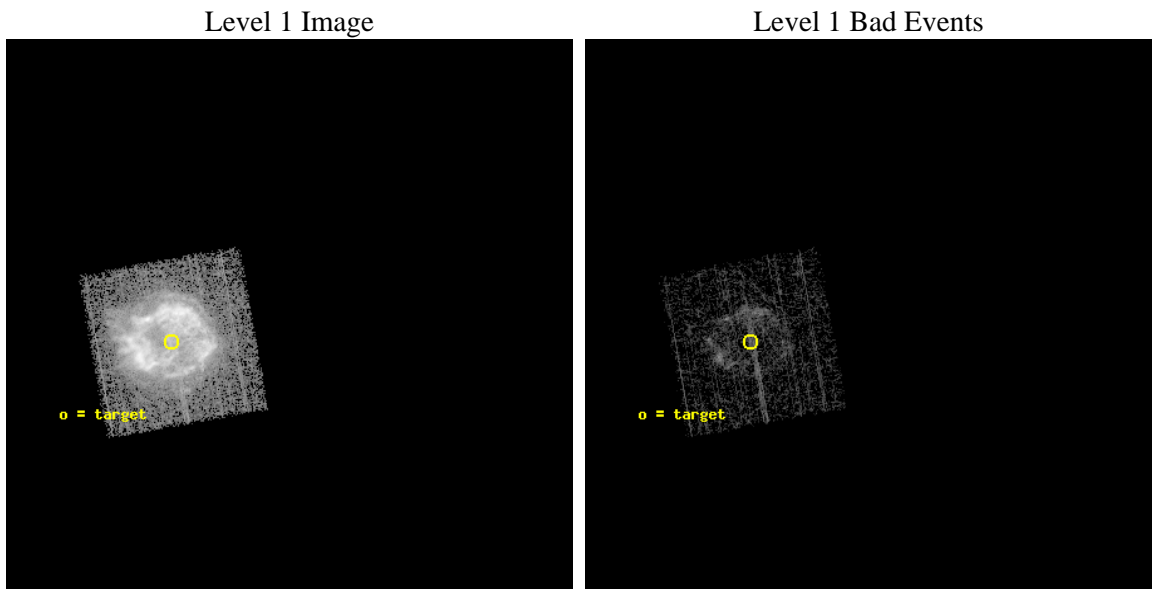
seq_num	590097	Sequence number
obs_id	229	Observation id
title	ACIS CHIP RESPONSE TO CAS A, APR. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip S2, T=120, Offsets=6,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.65924074637	Nominal RA [deg]
dec_nom	58.831682213603	Nominal Dec [deg]
roll_nom	349.92059546316	Nominal Roll [deg]
revision	4	Processing version of data
ontime	967.01493258774	Sum of GTIs [s]
livetime	954.77000724483	Livetime [s]
ontime4	1346.330059588	Sum of GTIs [s]
ontime5	1346.3710696697	Sum of GTIs [s]
ontime6	967.01493258774	Sum of GTIs [s]
ontime7	1346.412109673	Sum of GTIs [s]
ontime8	1346.2890195996	Sum of GTIs [s]
ontime9	1346.2479496747	Sum of GTIs [s]
l2events	214513	Number of level 2 events



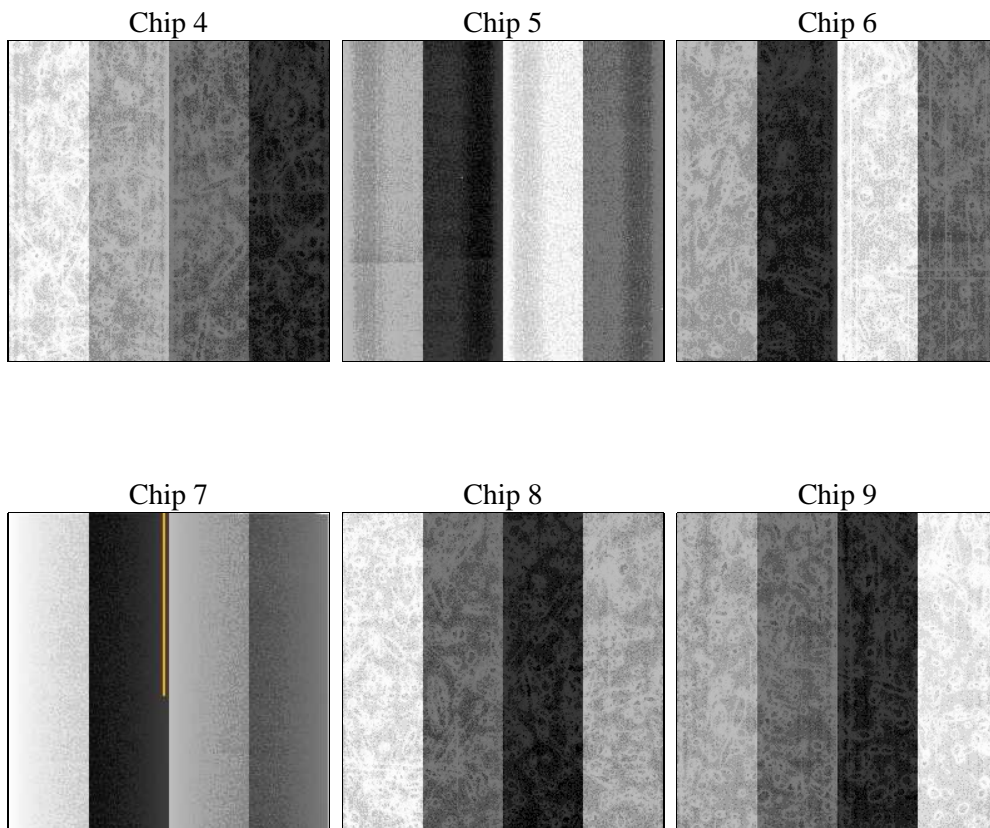
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	967.01493258774	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime4	1346.330059588	Sum of GTIs [s]
date	2012-08-23T19:06:09	Date and time of file creation	ontime5	1346.3710696697	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	967.01493258774	Sum of GTIs [s]
			ontime7	1346.412109673	Sum of GTIs [s]
			ontime8	1346.2890195996	Sum of GTIs [s]
			ontime9	1346.2479496747	Sum of GTIs [s]
			l1events	267371	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	0	0	267371	0	0	0
rejected events	0	0	40310	0	0	0
rejected %	0%	0%	15%	0%	0%	0%

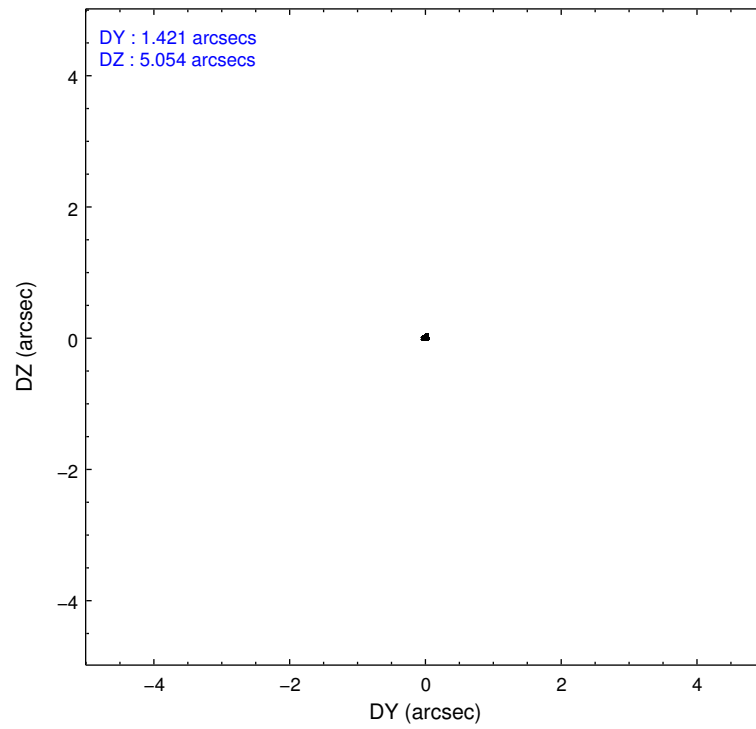
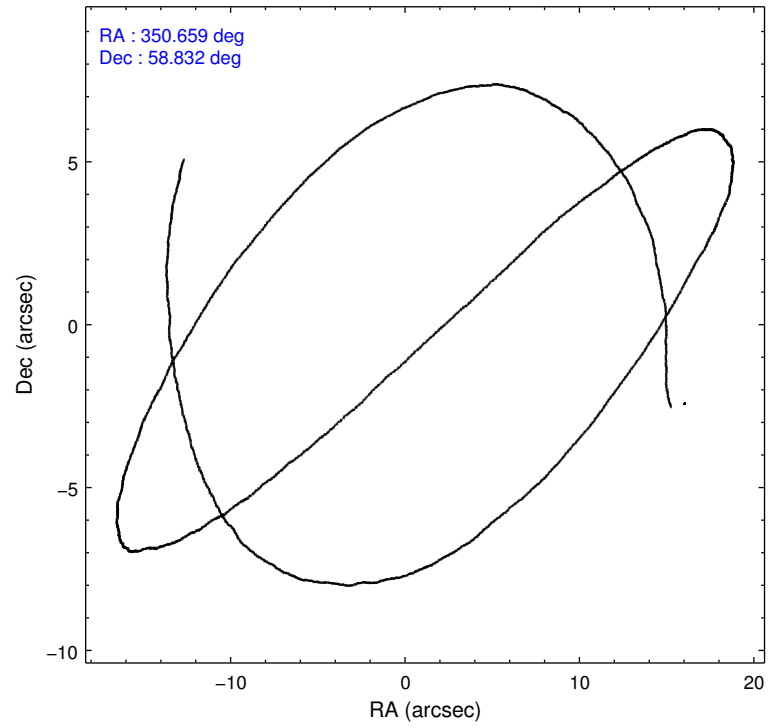
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	0	0	183696	0	0	0
	0%	0%	68%	0%	0%	0%
grade 1 events	0	0	2660	0	0	0
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	24415	0	0	0
	0%	0%	9%	0%	0%	0%
grade 3 events	0	0	7550	0	0	0
	0%	0%	2%	0%	0%	0%
grade 4 events	0	0	7536	0	0	0
	0%	0%	2%	0%	0%	0%
grade 5 events	0	0	1913	0	0	0
	0%	0%	0%	0%	0%	0%
grade 6 events	0	0	5409	0	0	0
	0%	0%	2%	0%	0%	0%
grade 7 events	0	0	34192	0	0	0
	0%	0%	12%	0%	0%	0%

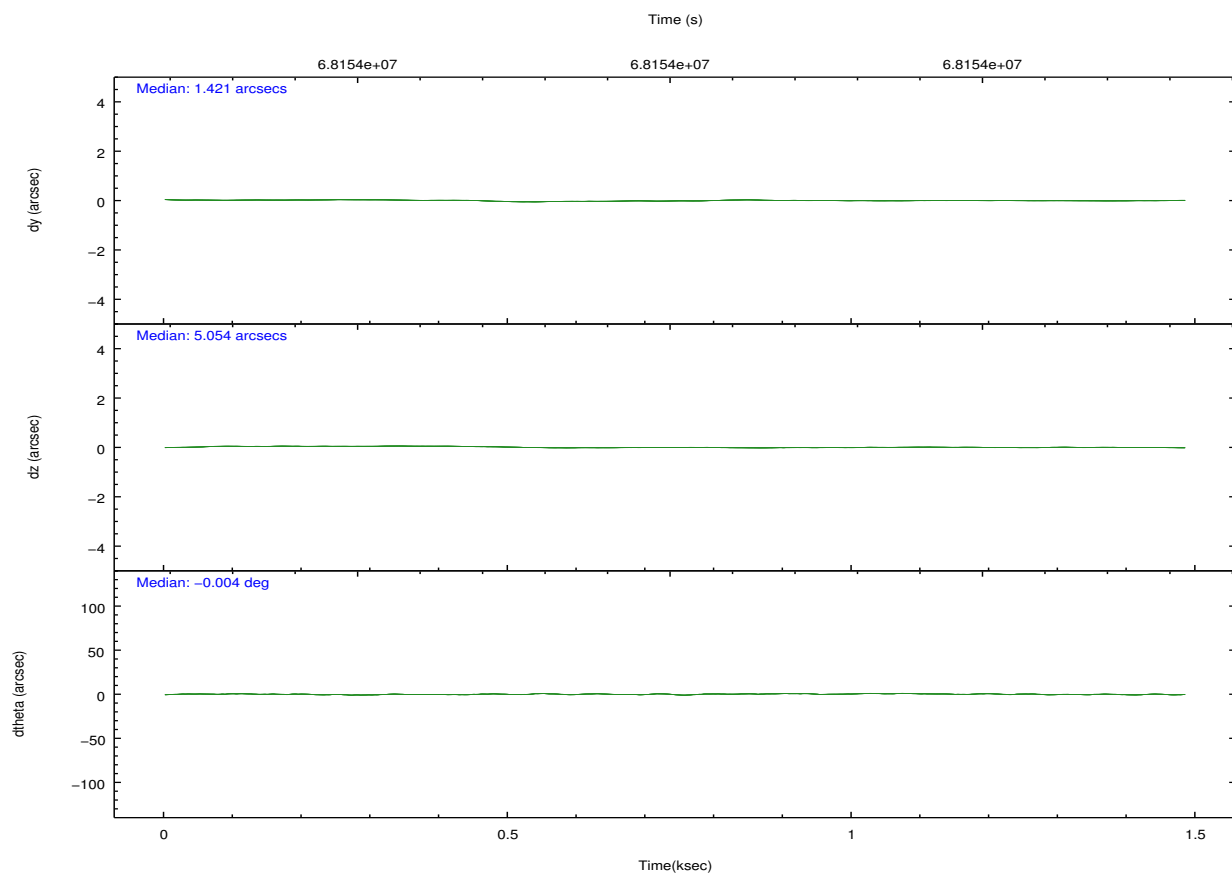
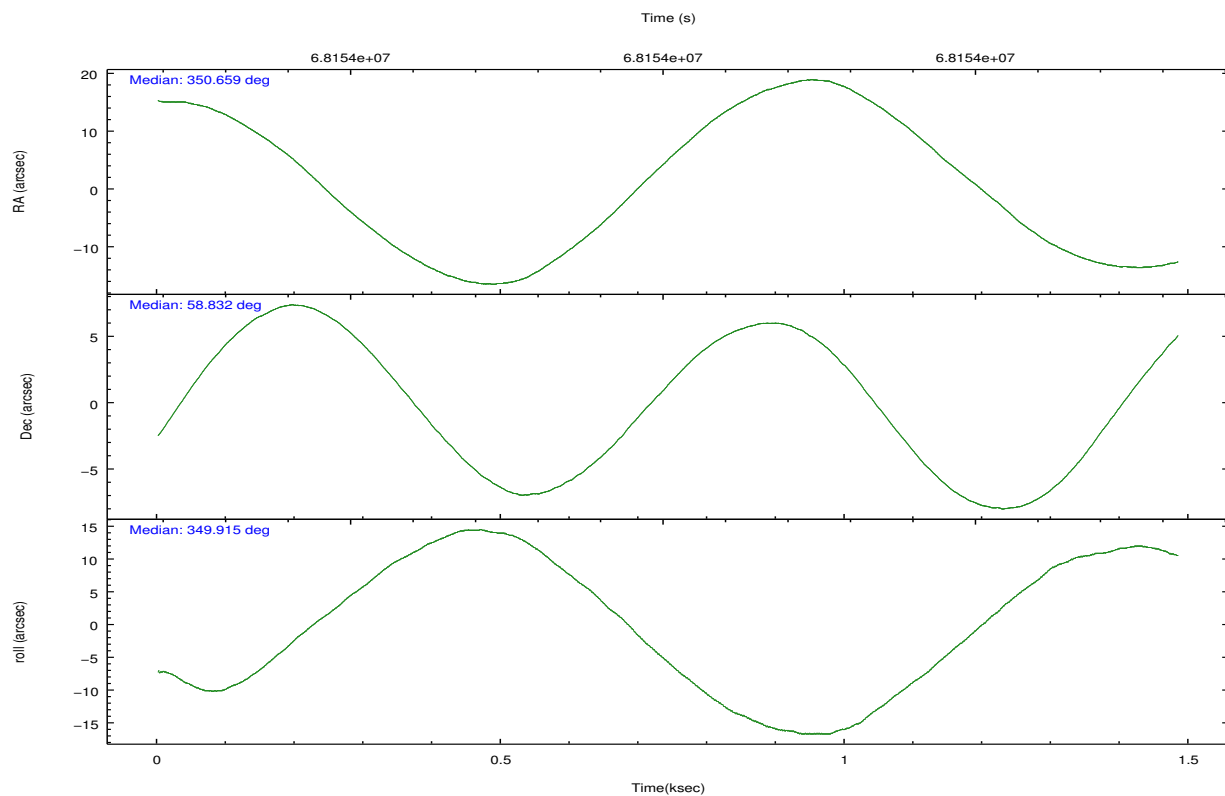
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	350.609487	350.6592407463672
[deg] Pointing Dec	58.822231	58.83168221360292
[deg] Pointing Roll	349.806562	349.9205954631606
[s] Window start time (MET)	65750464.184000	65750464.184000
[s] Window stop time (MET)	68256064.184000	68256064.184000
[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)	68153750.184000	68153084.586669
Observation start date	2000-02-28T19:34:46	2000-02-28T19:24:44
[s] Observation end time (MET)	68154750.184000	68154884.486735
Observation end date	2000-02-28T19:51:26	2000-02-28T19:54:44
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	3.2

2.3 Aspect



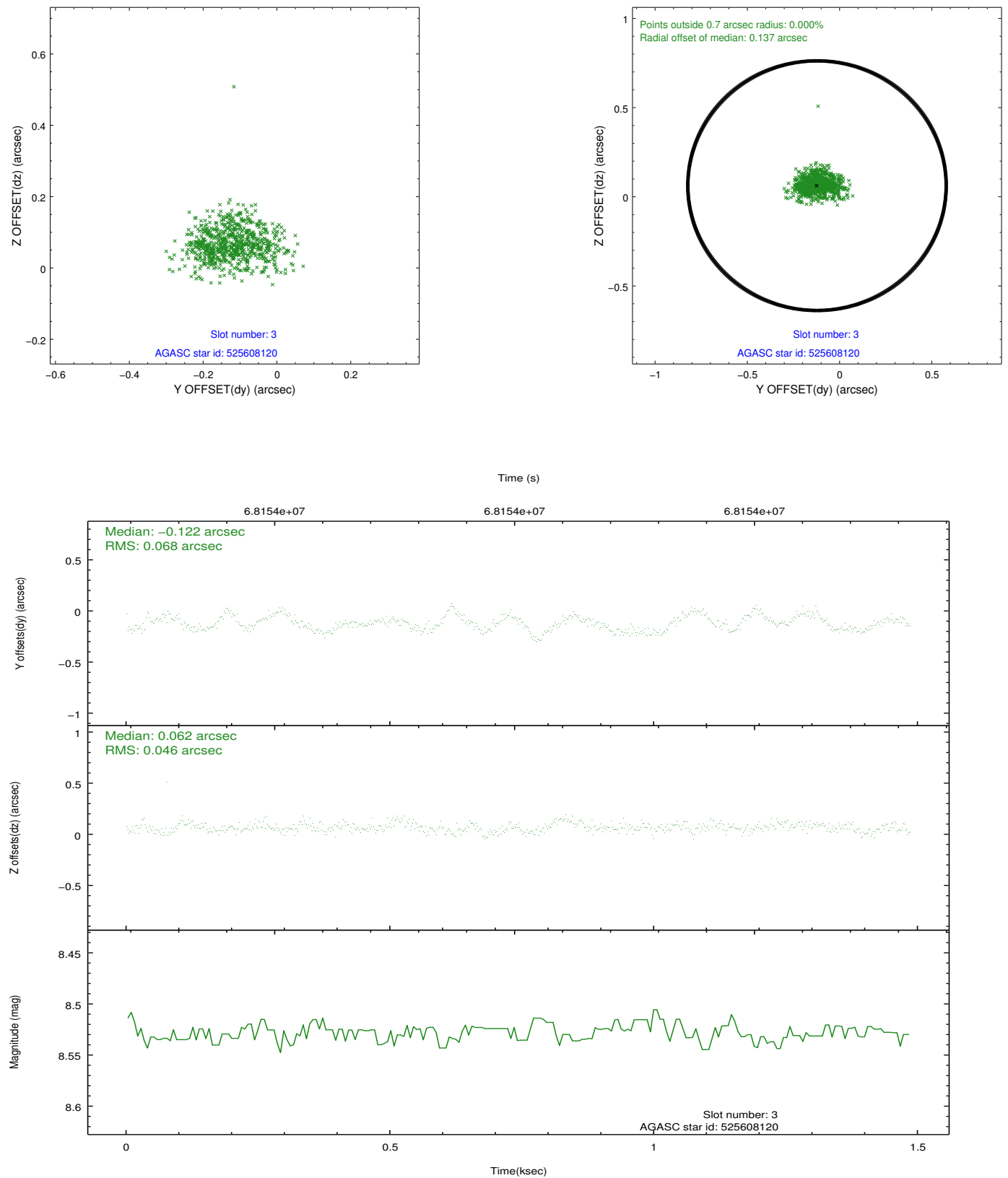


Slot Statistics

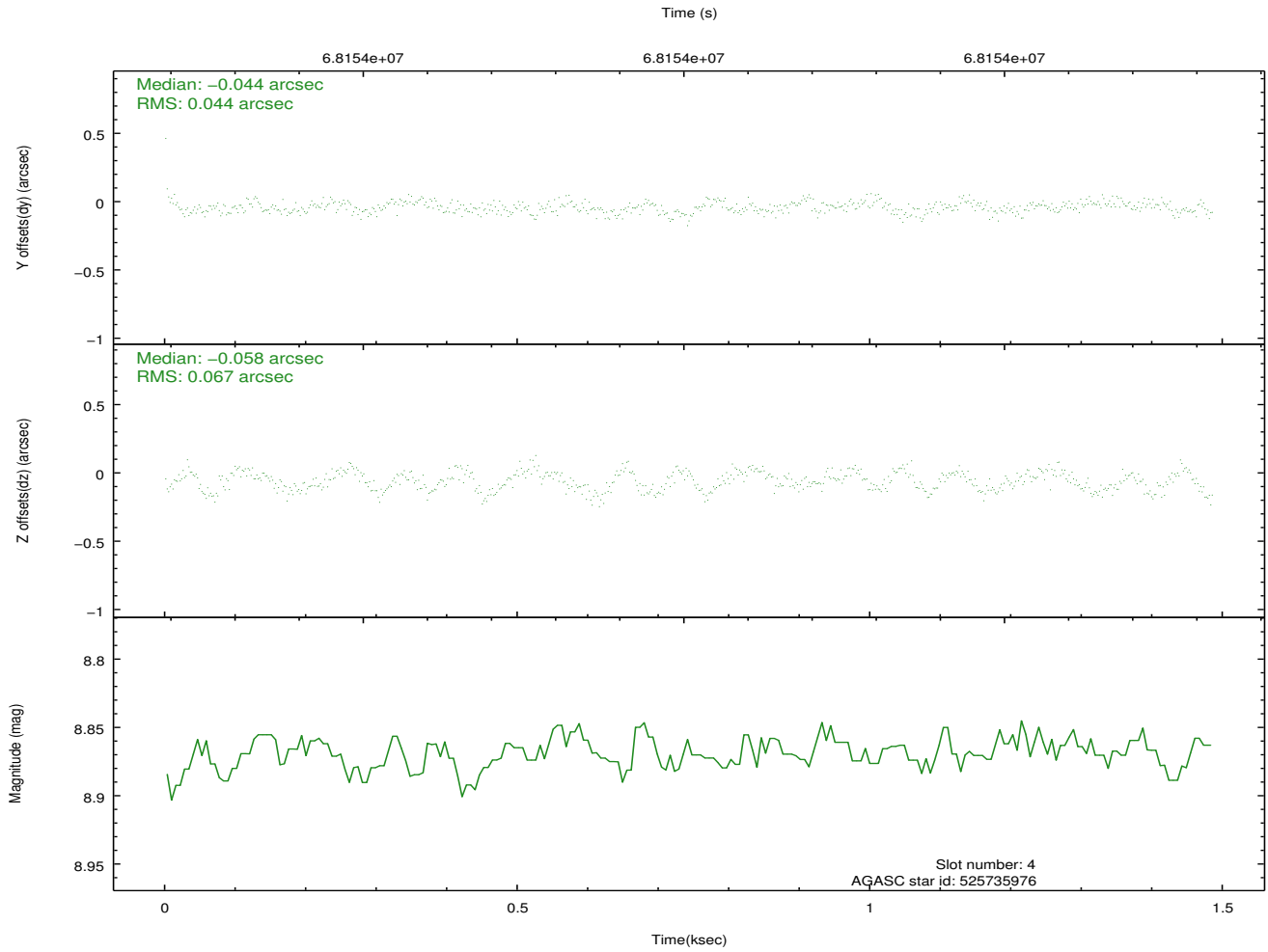
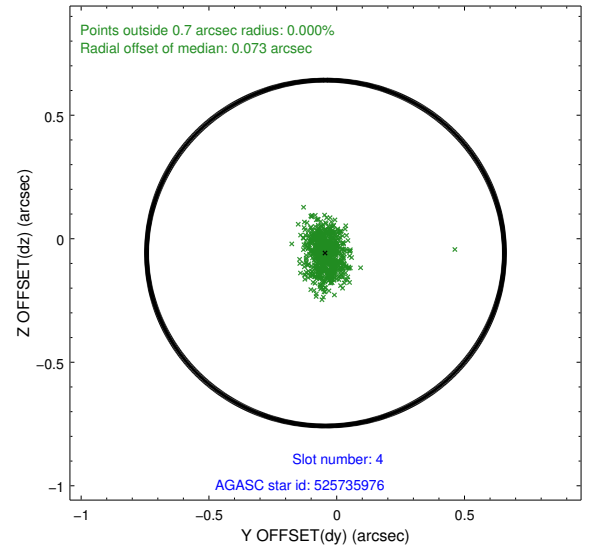
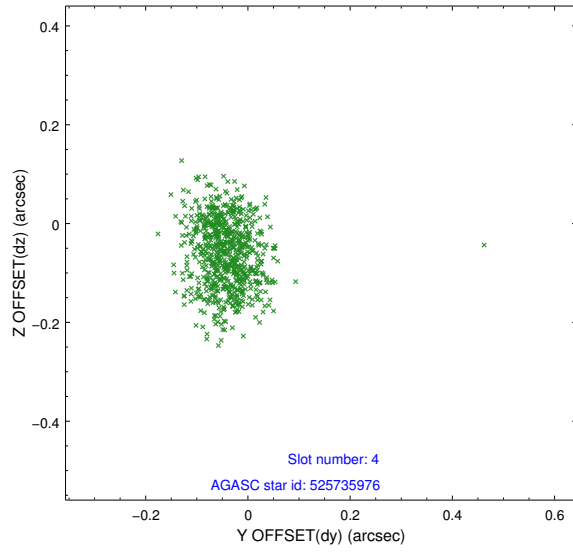
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	362	-0.033	-0.006	0.006	0.009	0.000000	0.000000	-754.06	-1726.13
1	FID	ACIS-S-4	7.21	362	0.009	0.018	0.005	0.008	0.000000	0.000000	2157.25	177.76
2	FID	ACIS-S-5	7.23	362	-0.008	-0.002	0.006	0.011	0.000000	0.000000	-1801.11	176.51
3	GUIDE	525608120	8.53	725	-0.122	0.062	0.087	0.140	349.602222	59.477956	-2233.14	2010.47
4	GUIDE	525735976	8.87	725	-0.044	-0.058	0.085	0.138	350.142956	58.277622	-525.67	-2080.80
5	GUIDE	525609504	9.07	724	0.015	-0.071	0.078	0.127	349.896632	58.356658	-1030.30	-1884.45
6	GUIDE	525731480	9.51	724	0.034	0.009	0.079	0.127	351.647209	58.687294	1992.74	-122.65
7	GUIDE	525732528	9.37	724	0.120	0.053	0.082	0.139	351.607241	59.298932	1501.46	2026.57

2.4 Star Slots

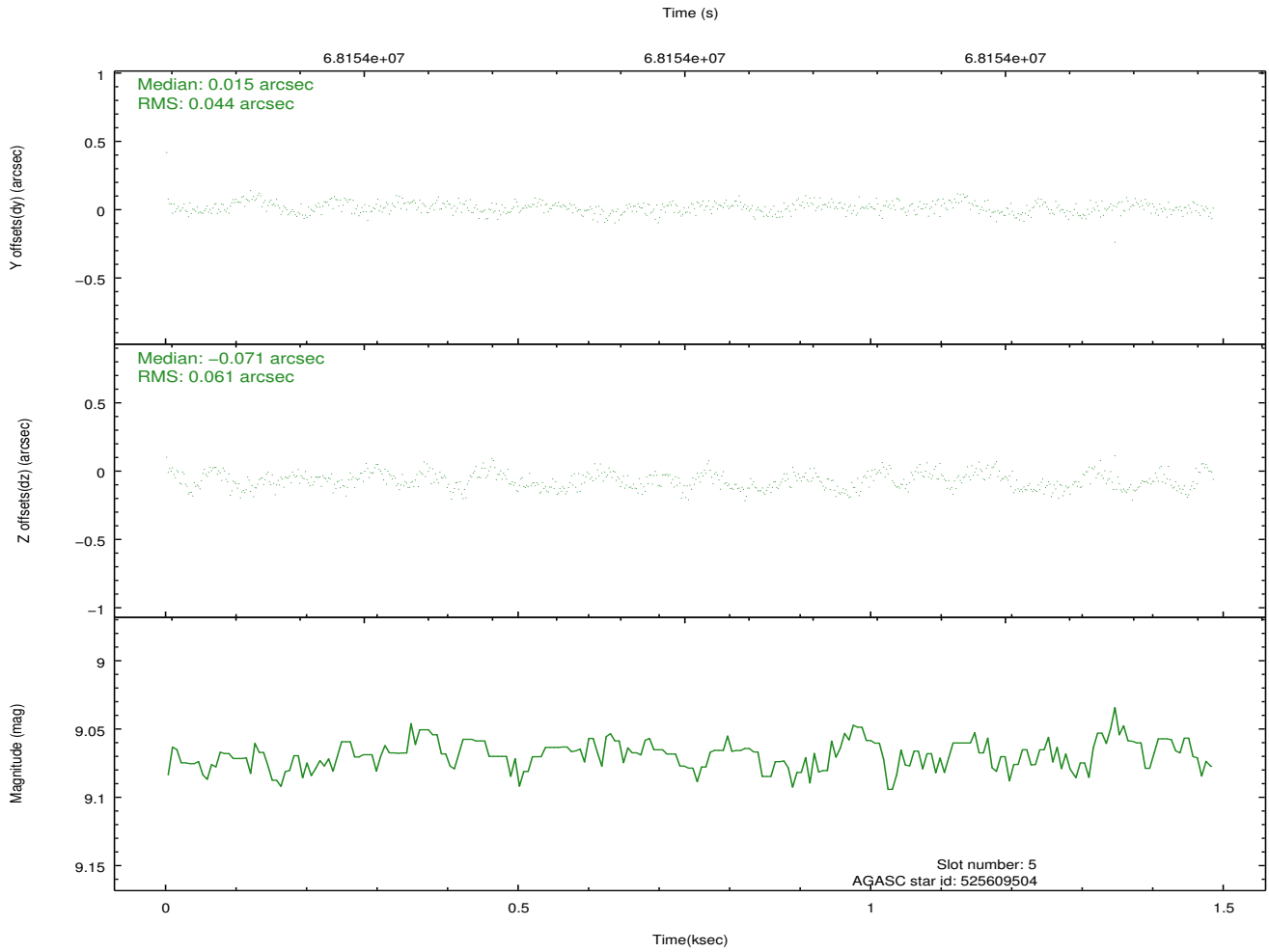
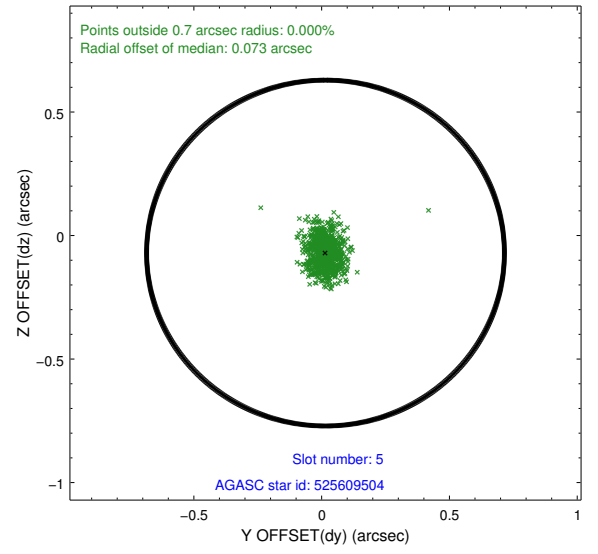
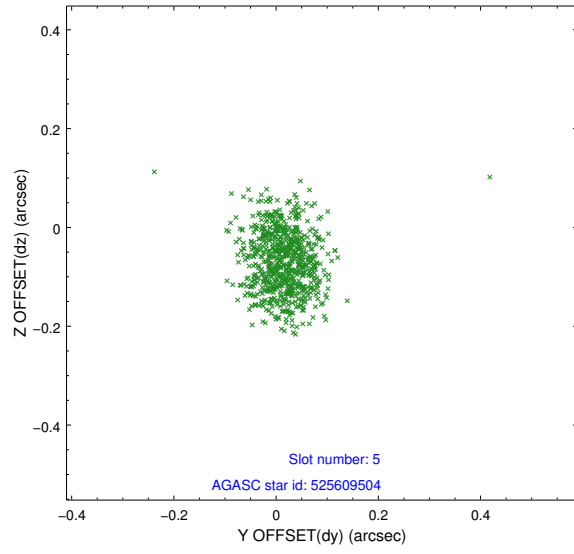
2.4.1 Slot 3



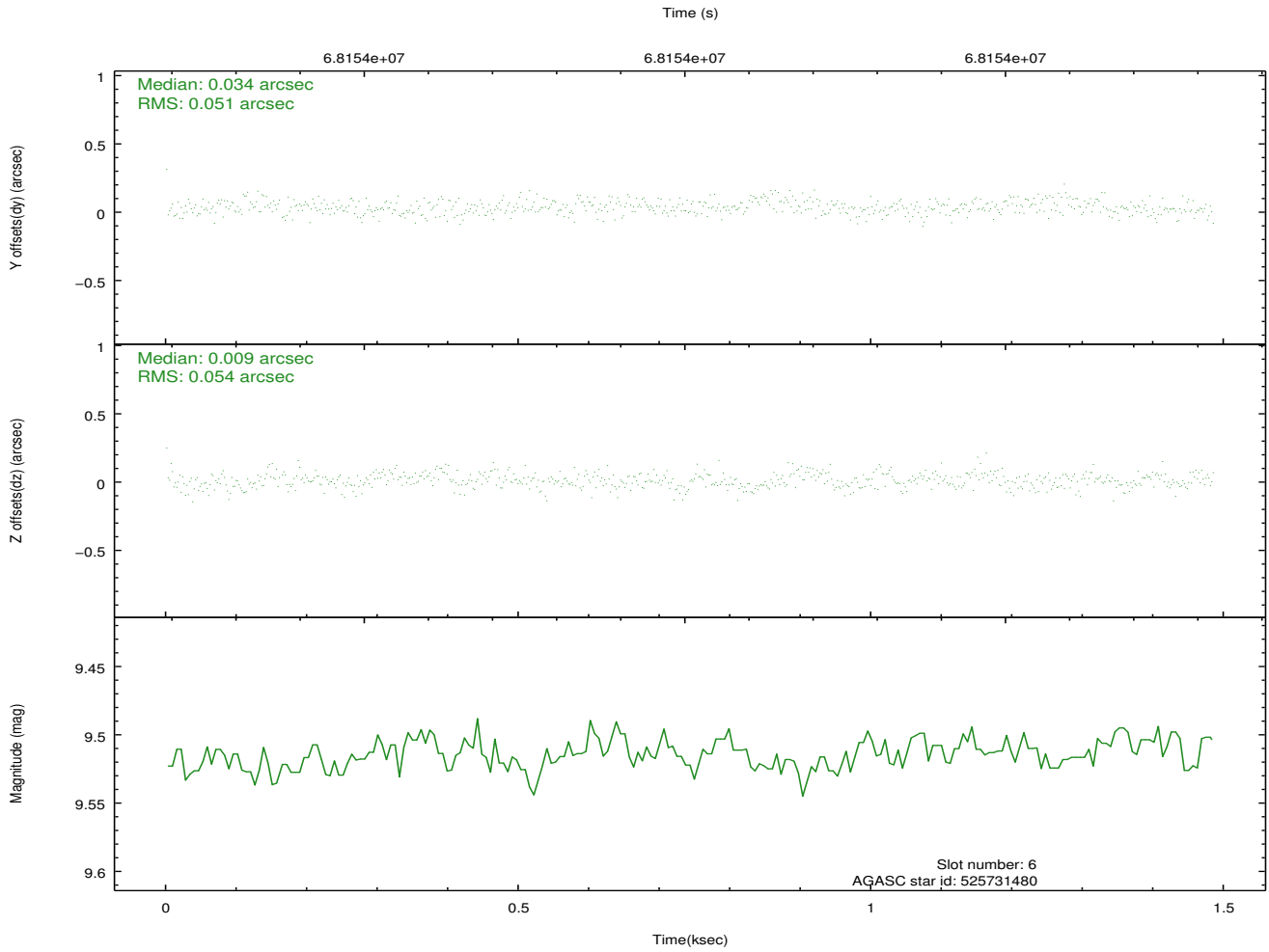
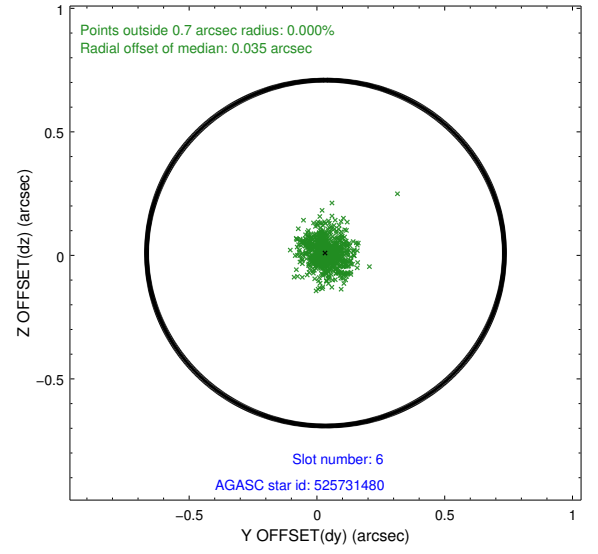
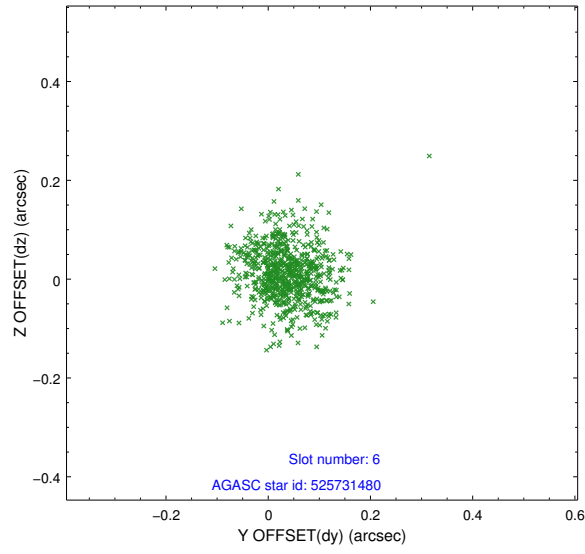
2.4.2 Slot 4



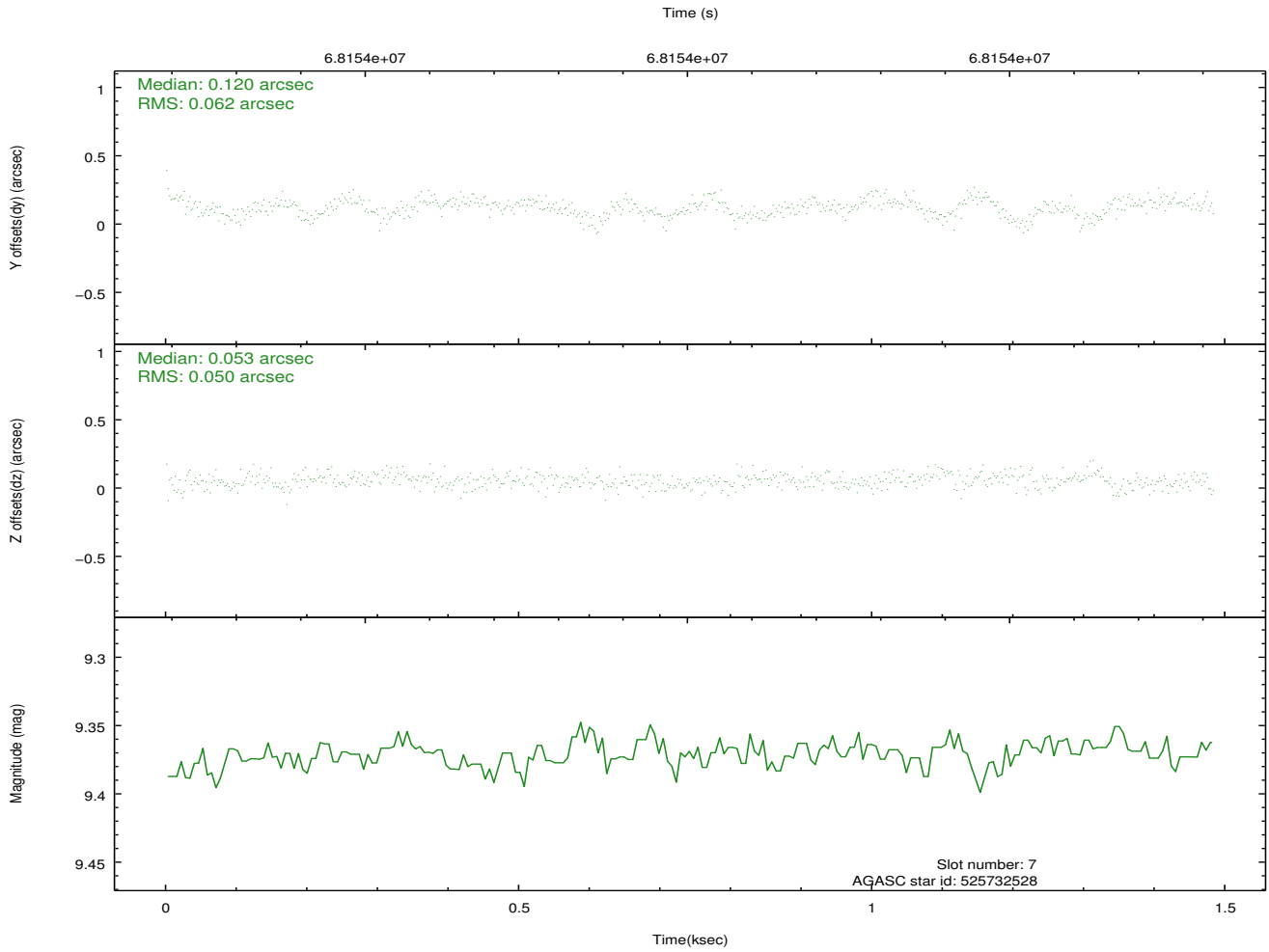
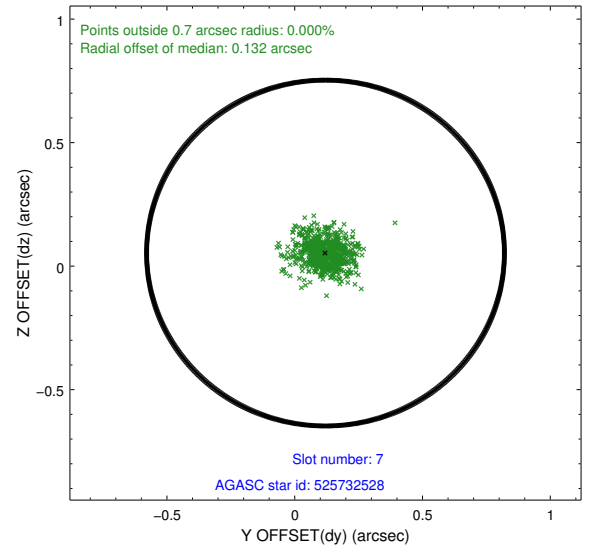
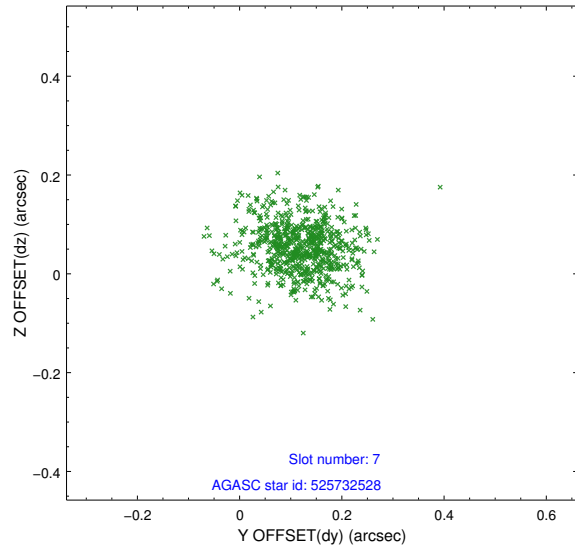
2.4.3 Slot 5



2.4.4 Slot 6

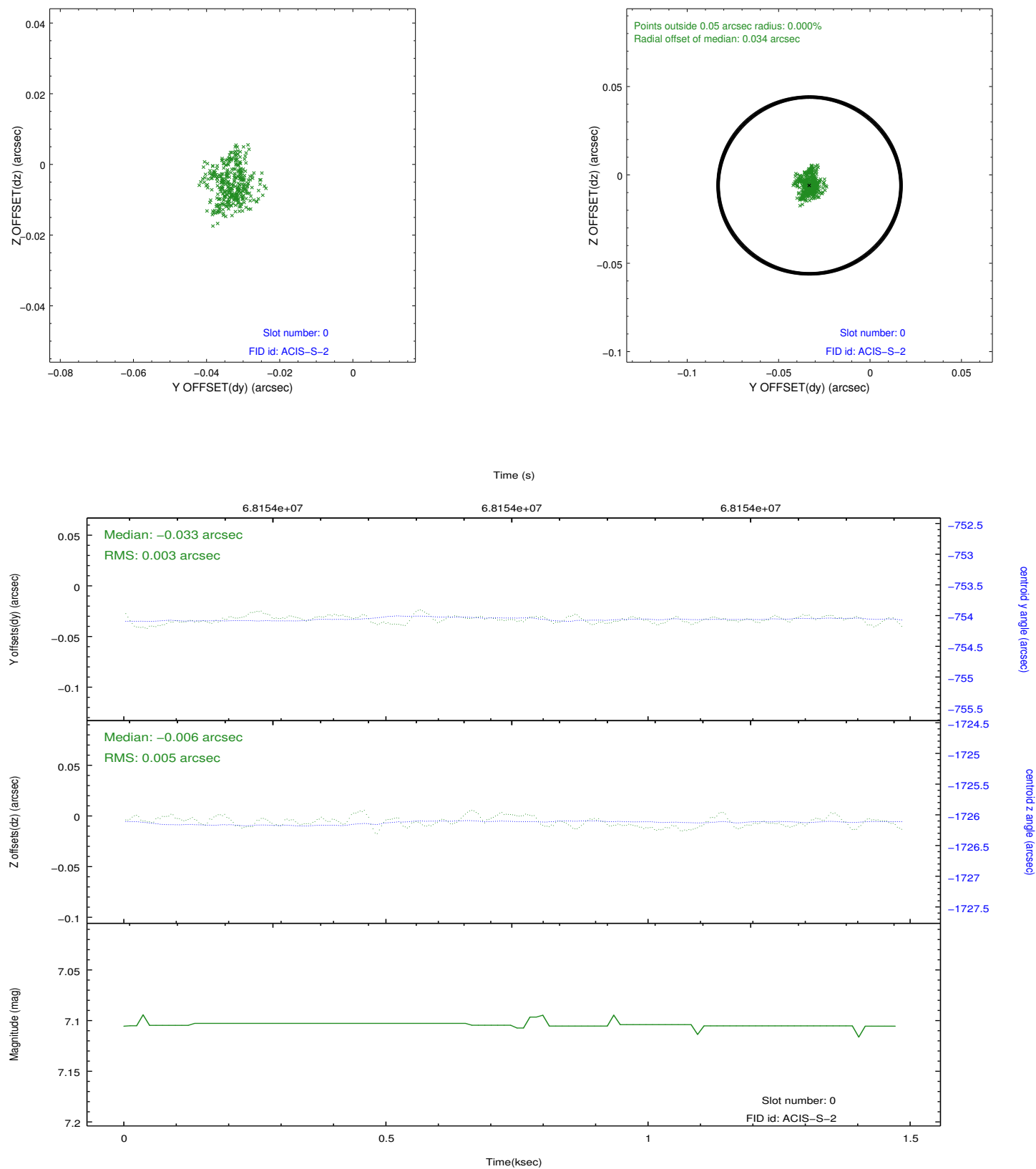


2.4.5 Slot 7

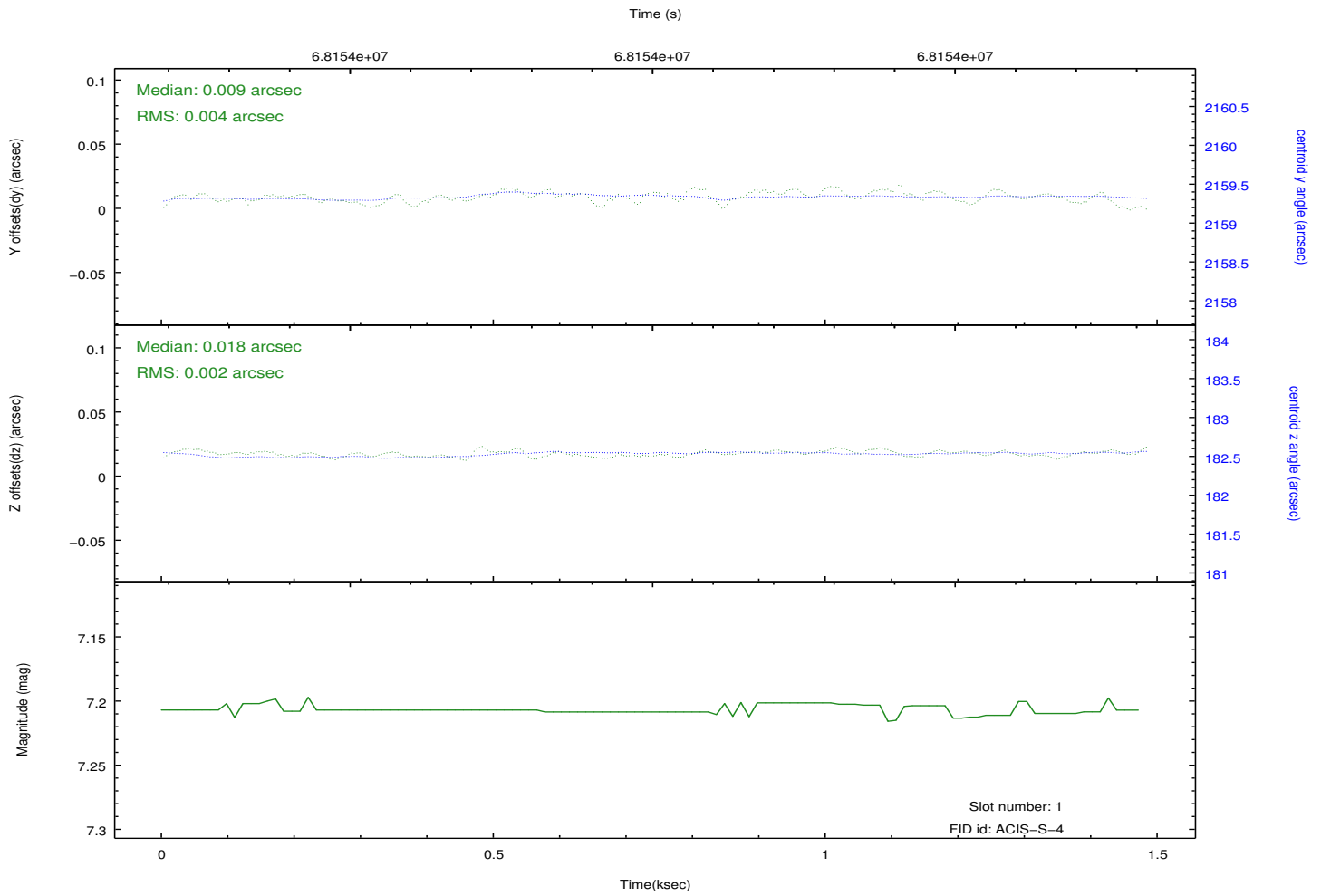
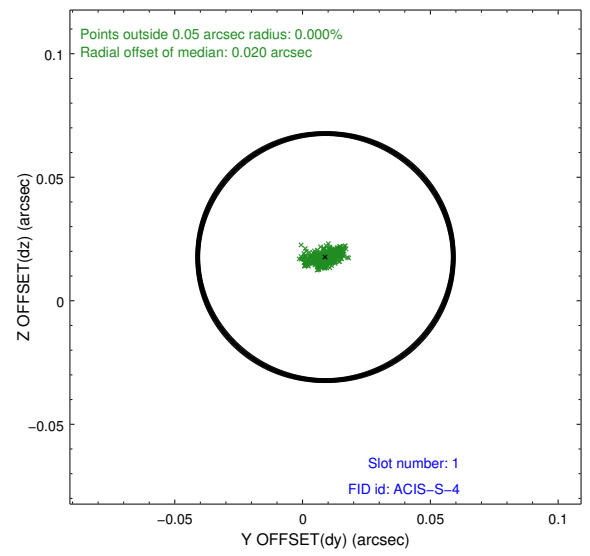
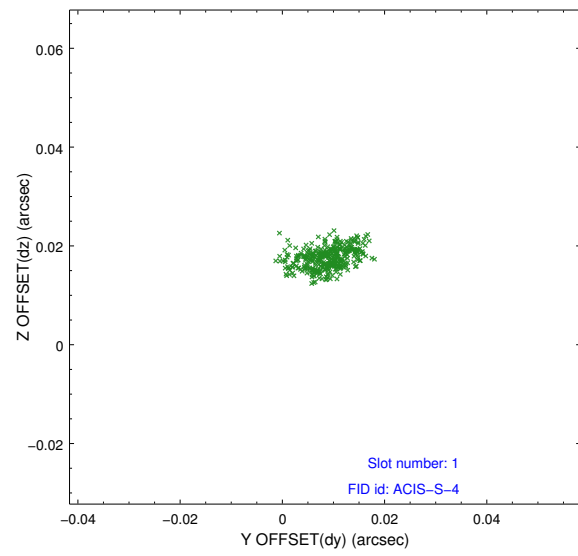


2.5 FID Slots

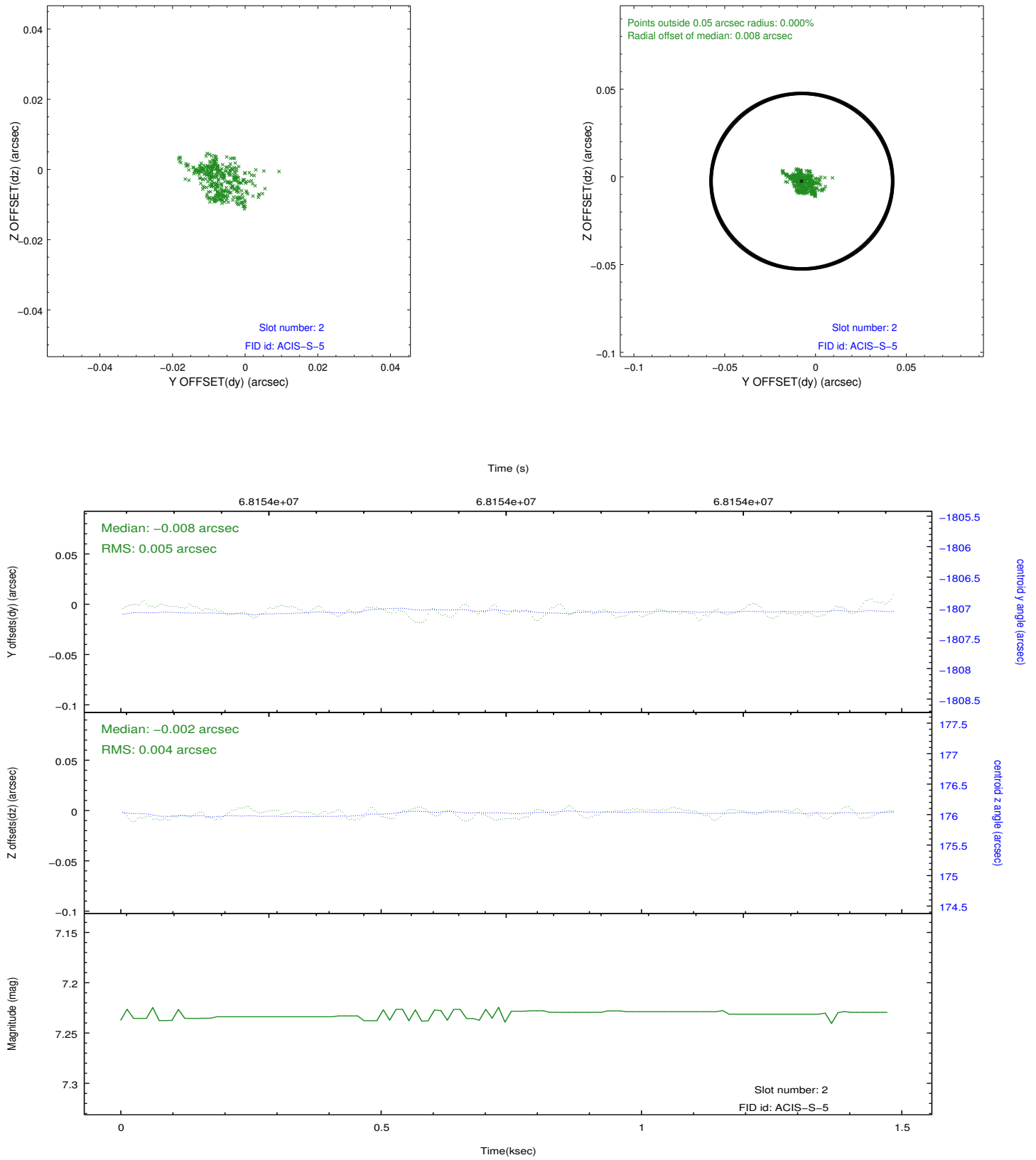
2.5.1 Slot 0



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)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.972

A.2 Comments

Charge time for this ObsId remains at previous value of 0.972 ks, although with the current processing the charge time would have been 0.967 ksec. Window constraint met.