

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 5646 - L2 Version 2
Chandra X-Ray Center

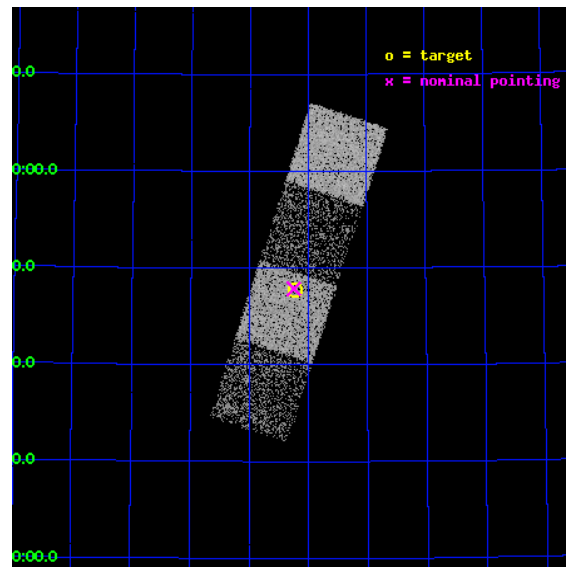
L2 Processing Date : Mar 28 2012

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1 Front

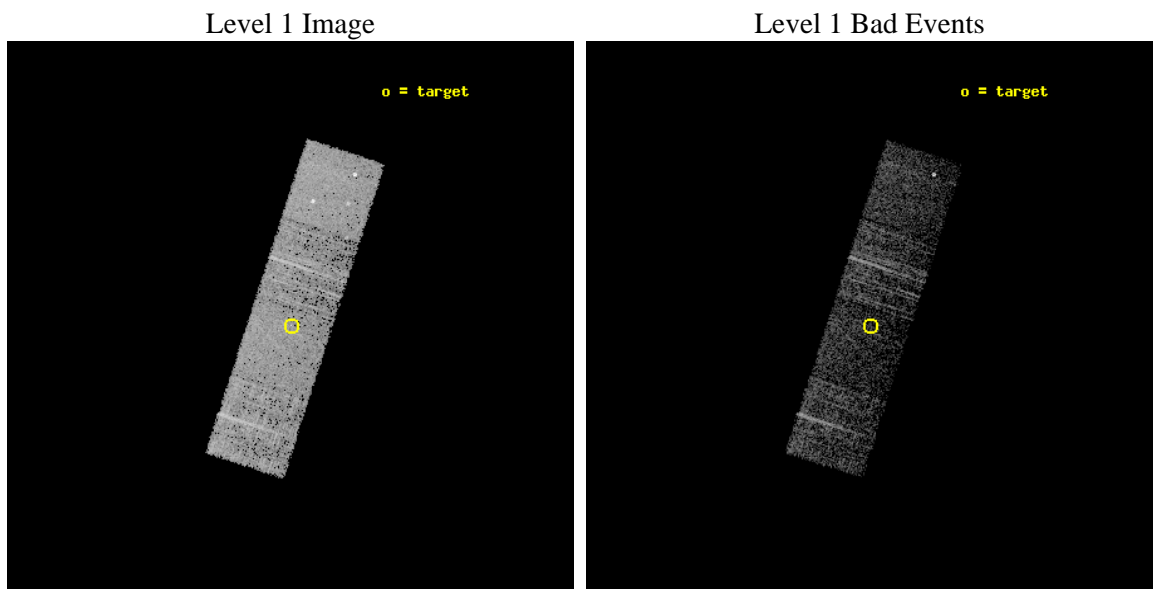
seq_num	701069	Sequence number
obs_id	5646	Observation id
title	The Spectral Energy Distribution and Fe II Emission in Intermediate-Redshift Narrow-line Seyfert 1 Galaxies	Proposal title
observer	Dr. Karen Leighly	Principal investigator
object	SDSS J172314.14+654746.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	260.80875	Observer's specified target RA [deg]
dec_targ	65.796139	Observer's specified target Dec [deg]
ra_nom	260.8118289677	Nominal RA [deg]
dec_nom	65.797687664605	Nominal Dec [deg]
roll_nom	108.08463546063	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2455.1999952495	Sum of GTIs [s]
livetime	2423.1209998196	Livetime [s]
ontime5	2455.1999952495	Sum of GTIs [s]
ontime6	2455.1999952495	Sum of GTIs [s]
ontime7	2455.1999952495	Sum of GTIs [s]
ontime8	2452.059014976	Sum of GTIs [s]
l2events	23872	Number of level 2 events



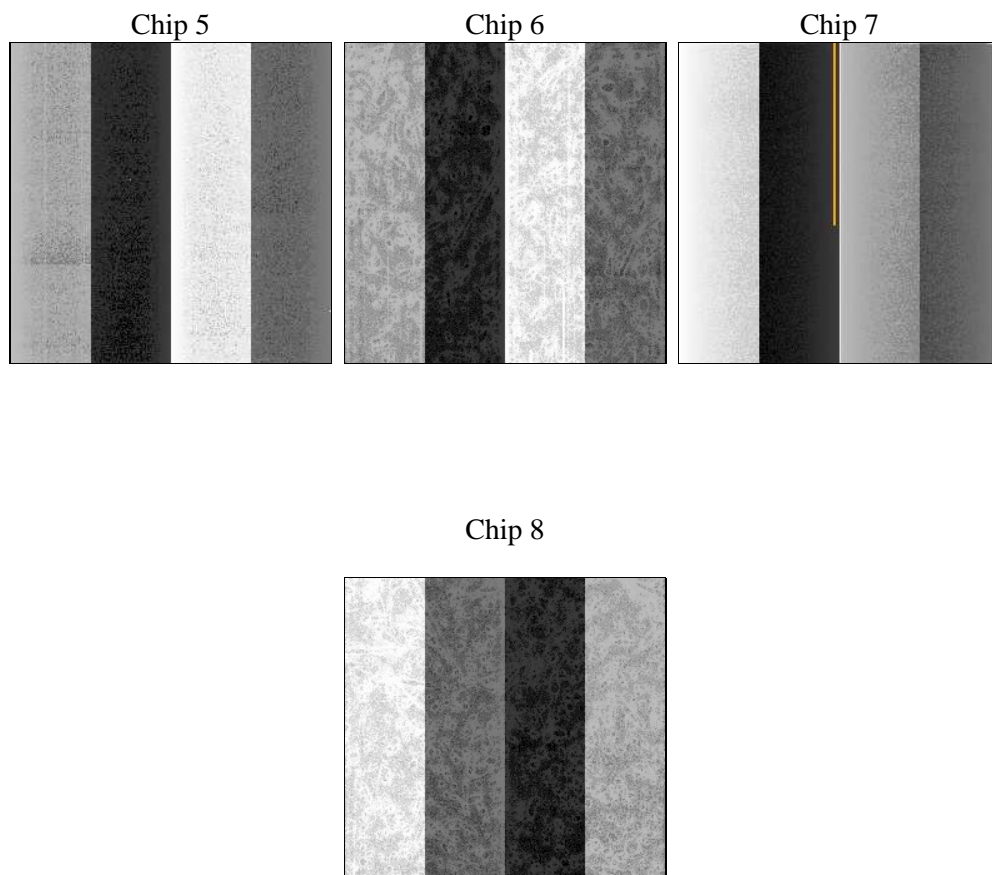
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	2455.1999952495	Sum of GTIs [s]
caldsver	4.4.8	 	ontime5	2455.1999952495	Sum of GTIs [s]
date	2012-03-28T23:50:46	Date and time of file creation	ontime6	2455.1999952495	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	2455.1999952495	Sum of GTIs [s]
			ontime8	2452.059014976	Sum of GTIs [s]
			l1events	99452	Number of level 1 events

2.1.4 Events

	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	29219	22055	22700	25478
rejected events	16364	20224	13525	20023
rejected %	56%	91%	59%	78%

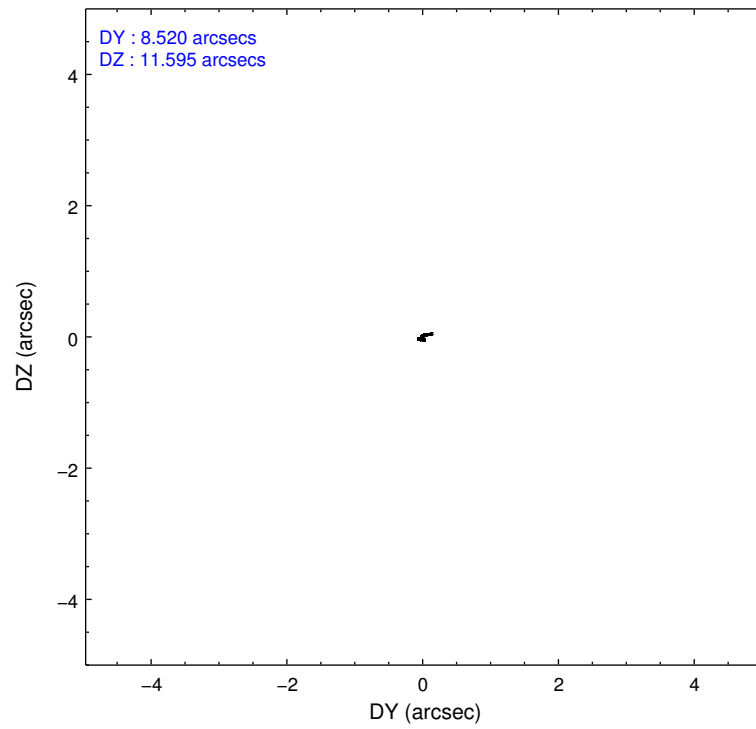
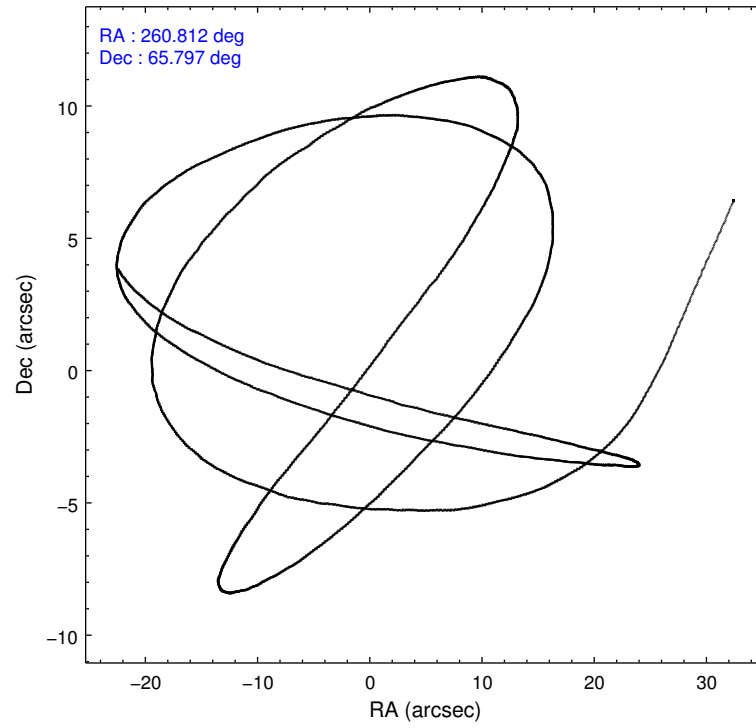
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1665	654	989	1865
	5%	2%	4%	7%
grade 1 events	52	12	13	20
	0%	0%	0%	0%
grade 2 events	4552	485	2062	1408
	15%	2%	9%	5%
grade 3 events	593	216	987	671
	2%	0%	4%	2%
grade 4 events	597	244	978	577
	2%	1%	4%	2%
grade 5 events	2517	804	2392	1173
	8%	3%	10%	4%
grade 6 events	7231	471	5378	1668
	24%	2%	23%	6%
grade 7 events	12012	19169	9901	18096
	41%	86%	43%	71%

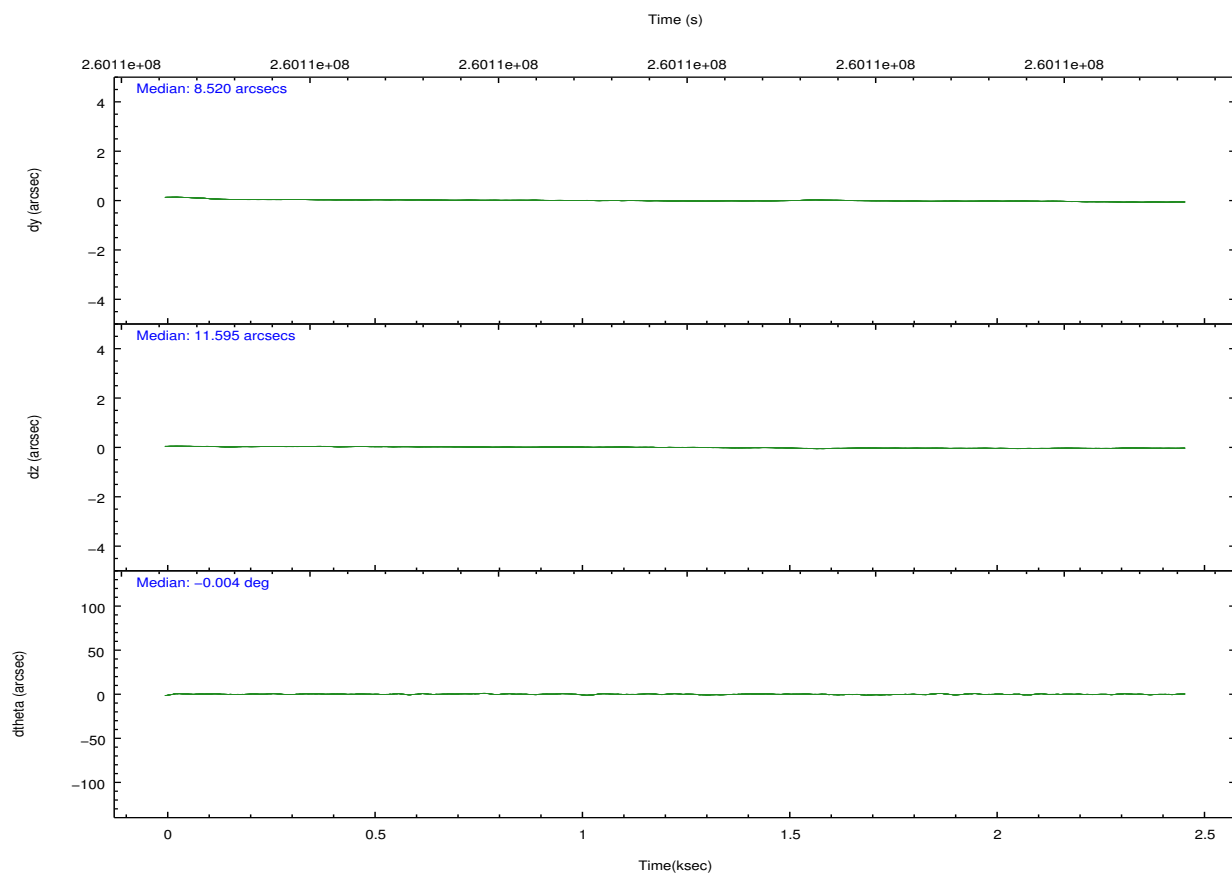
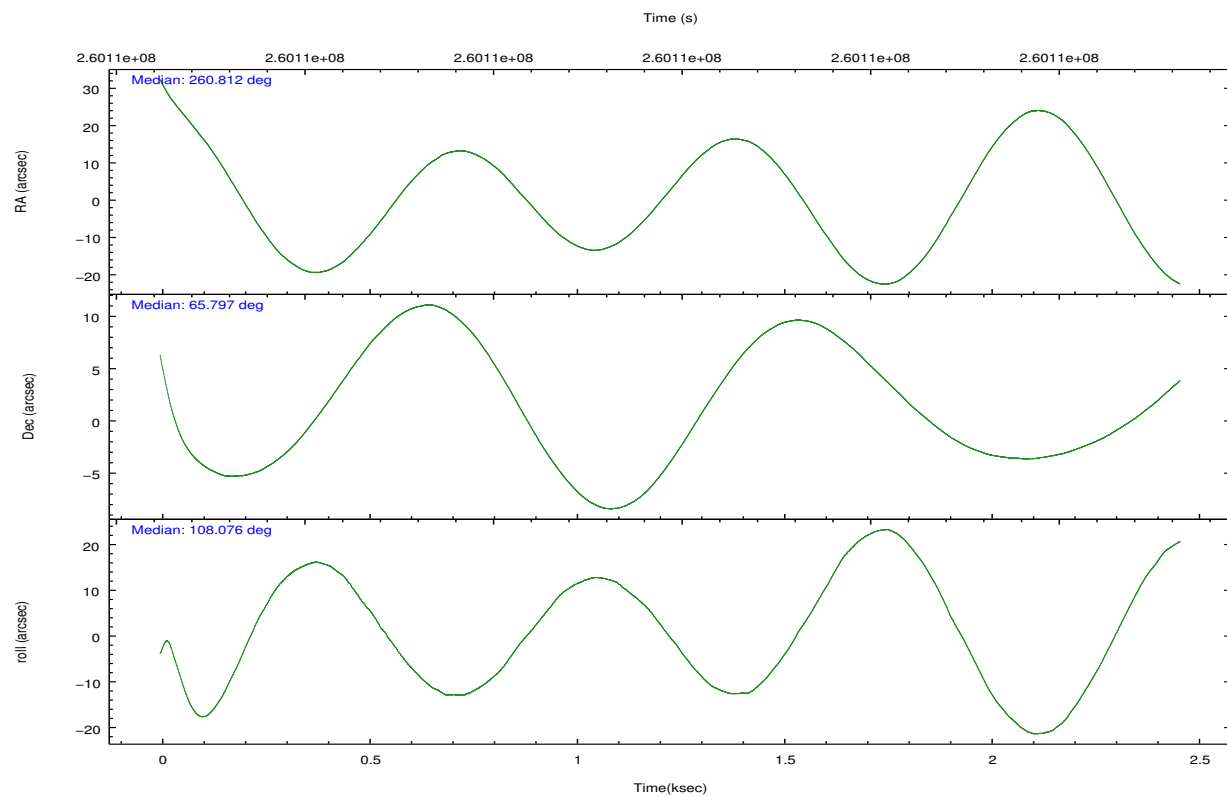
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-5678	ACIS-5678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	260.861672	260.8118289677038
[deg] Pointing Dec	65.779921	65.79768766460516
[deg] Pointing Roll	107.882378	108.0846354606323
[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)	260105897.184000	260104815.99591
Observation start date	2006-03-30T11:37:12	2006-03-30T11:20:15
[s] Observation end time (MET)	260108197.184000	260108493.69608
Observation end date	2006-03-30T12:15:32	2006-03-30T12:21:33
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	3.1

2.3 Aspect



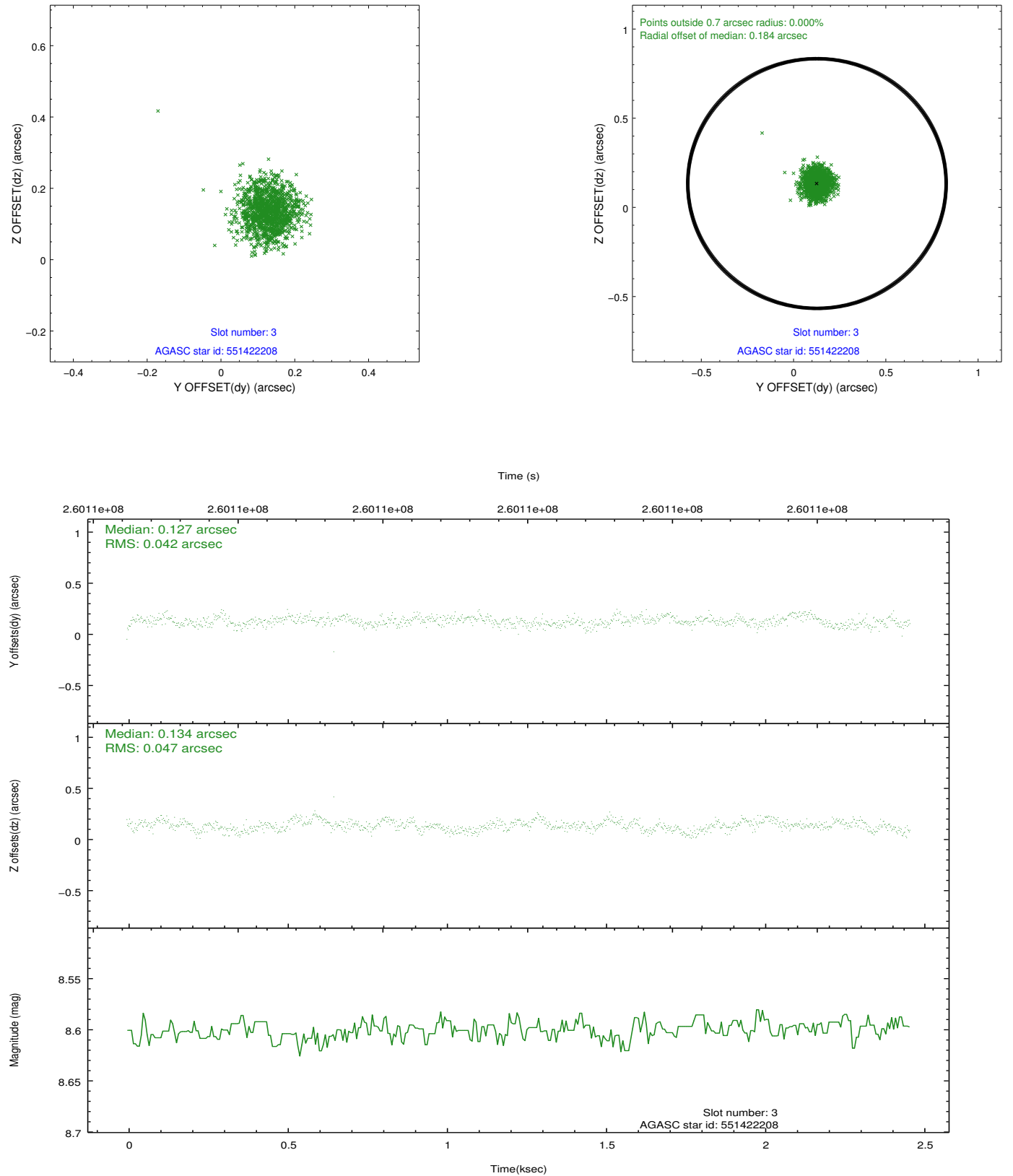


Slot Statistics

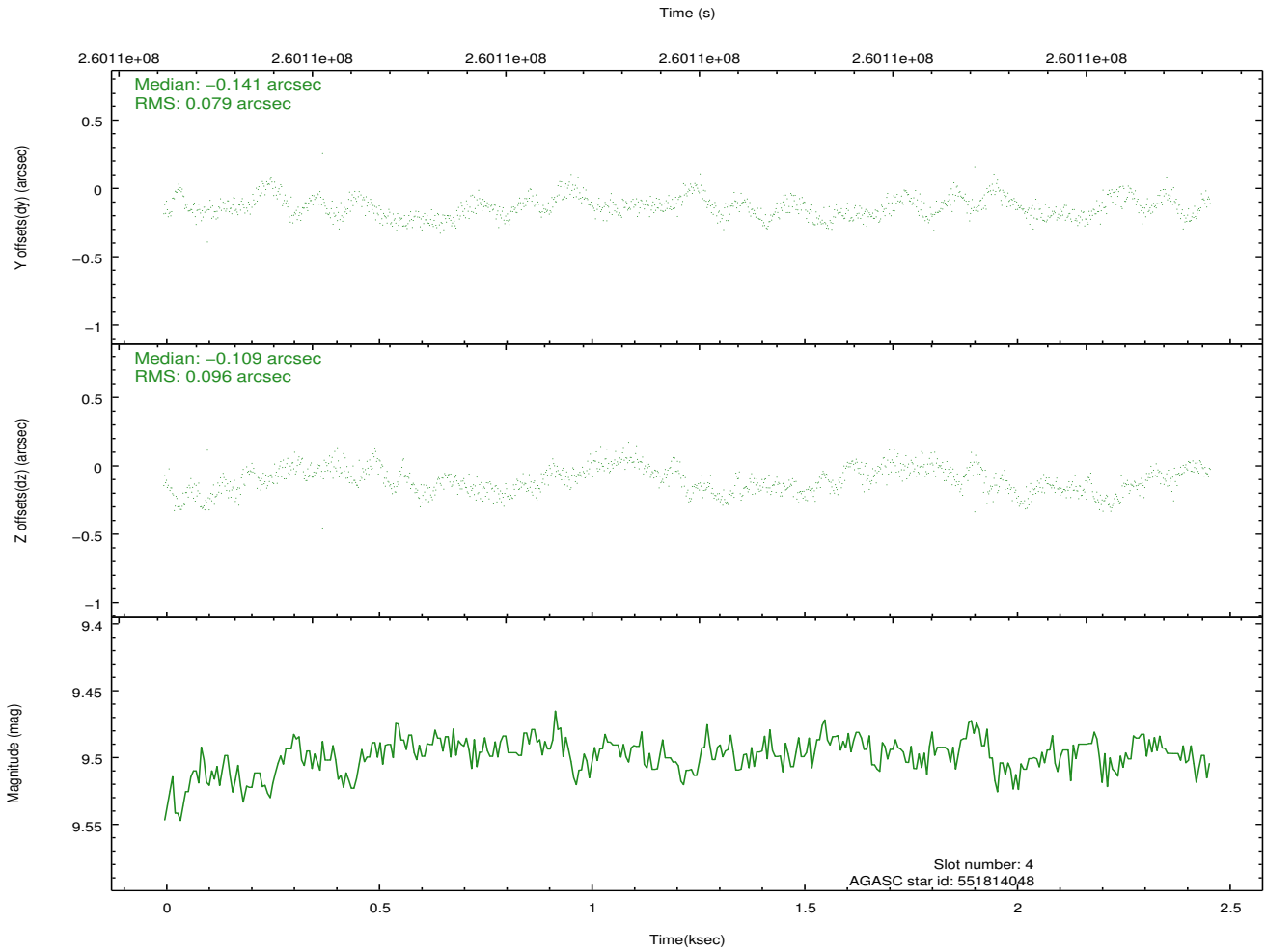
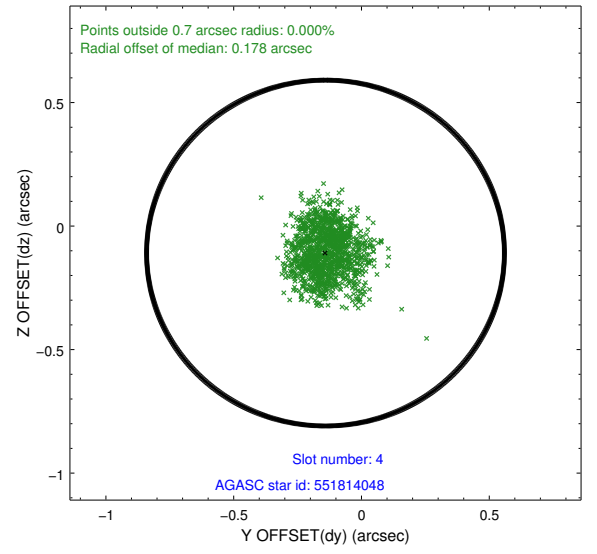
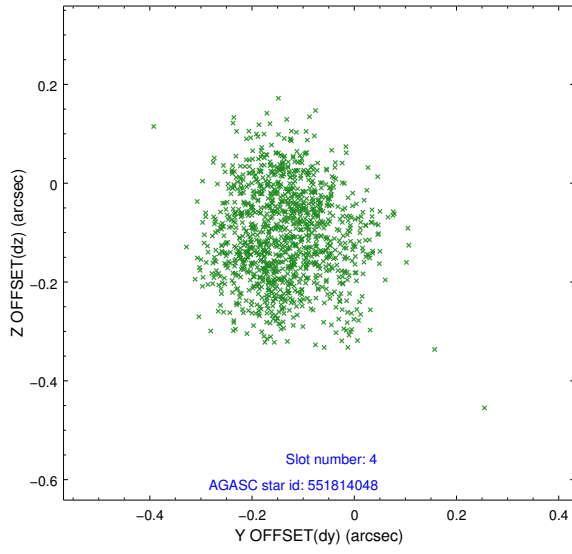
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	600	-0.020	-0.013	0.006	0.011	0.000000	0.000000	-761.33	-1732.90
1	FID	ACIS-S-4	7.20	599	0.112	0.014	0.006	0.010	0.000000	0.000000	2150.87	172.90
2	FID	ACIS-S-5	7.23	600	-0.122	0.009	0.007	0.011	0.000000	0.000000	-1810.90	169.54
3	GUIDE	551422208	8.60	1200	0.127	0.134	0.067	0.105	261.600178	65.236311	-2197.15	-460.72
4	GUIDE	551814048	9.50	1200	-0.141	-0.109	0.135	0.208	259.438169	65.785894	687.08	1986.21
5	GUIDE	551814208	7.93	1201	-0.022	-0.086	0.066	0.109	260.175311	65.639944	-160.06	1124.80
6	GUIDE	551951232	7.96	1201	-0.044	0.070	0.059	0.095	262.419848	65.894071	-284.00	-2313.64
7	GUIDE	551952296	8.76	1199	0.076	-0.025	0.075	0.122	261.999680	65.847021	-269.45	-1675.69

2.4 Star Slots

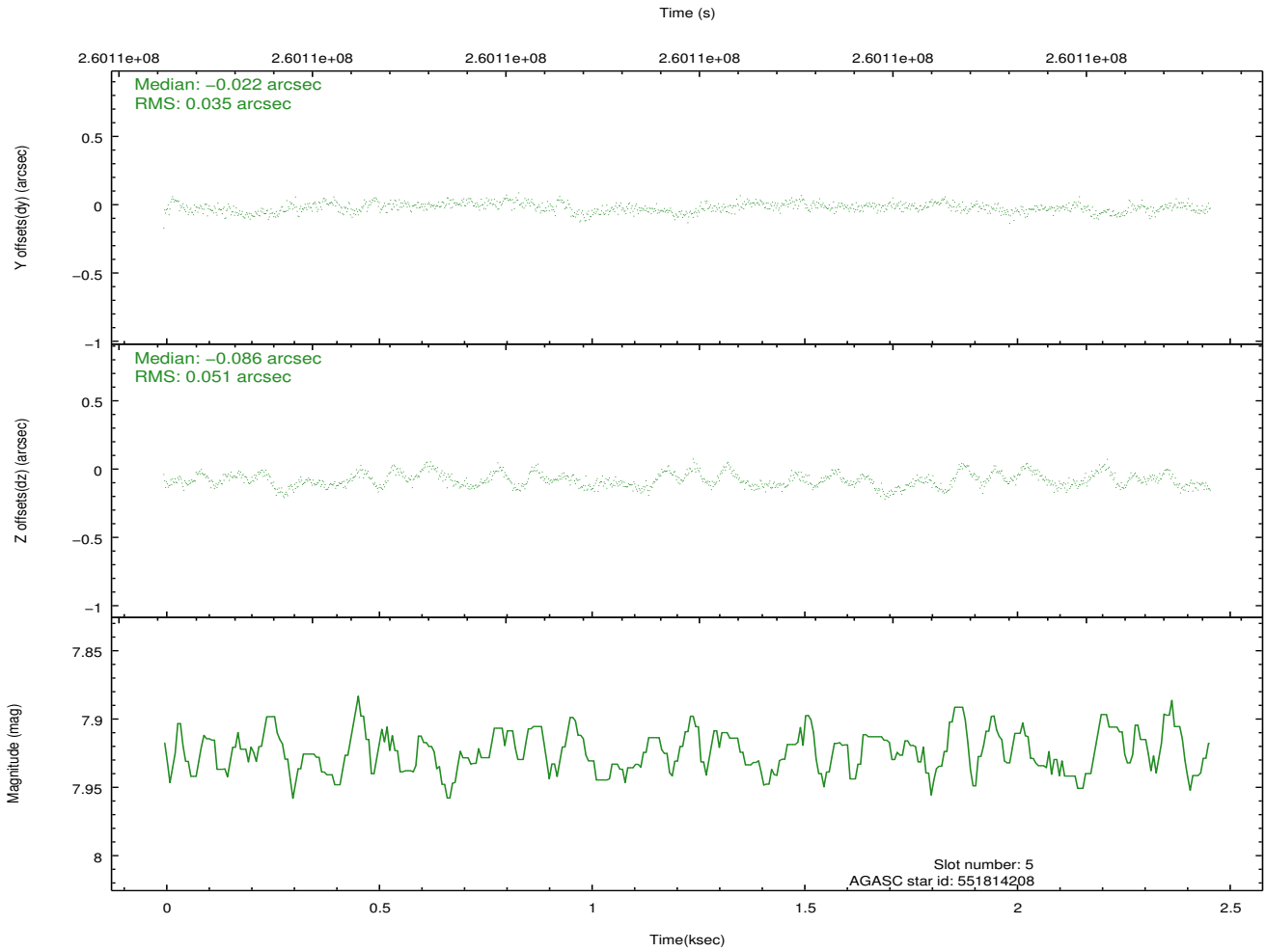
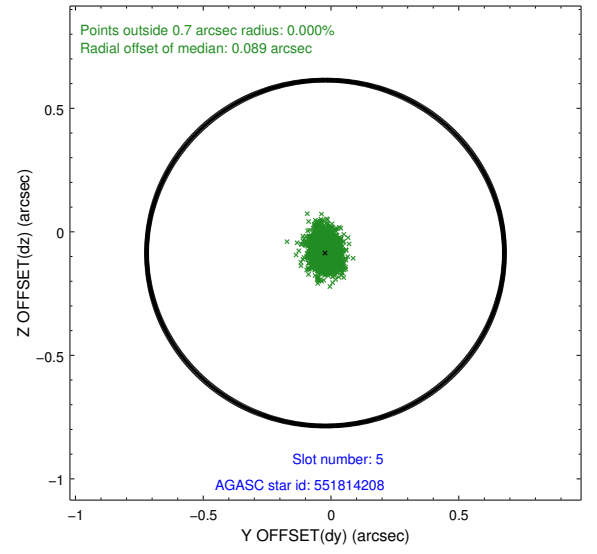
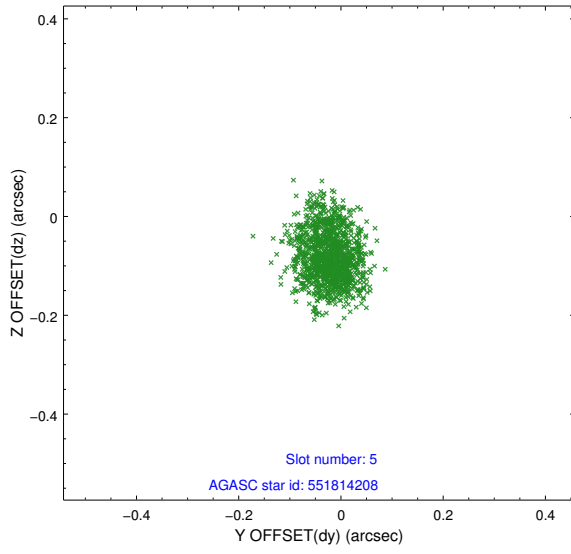
2.4.1 Slot 3



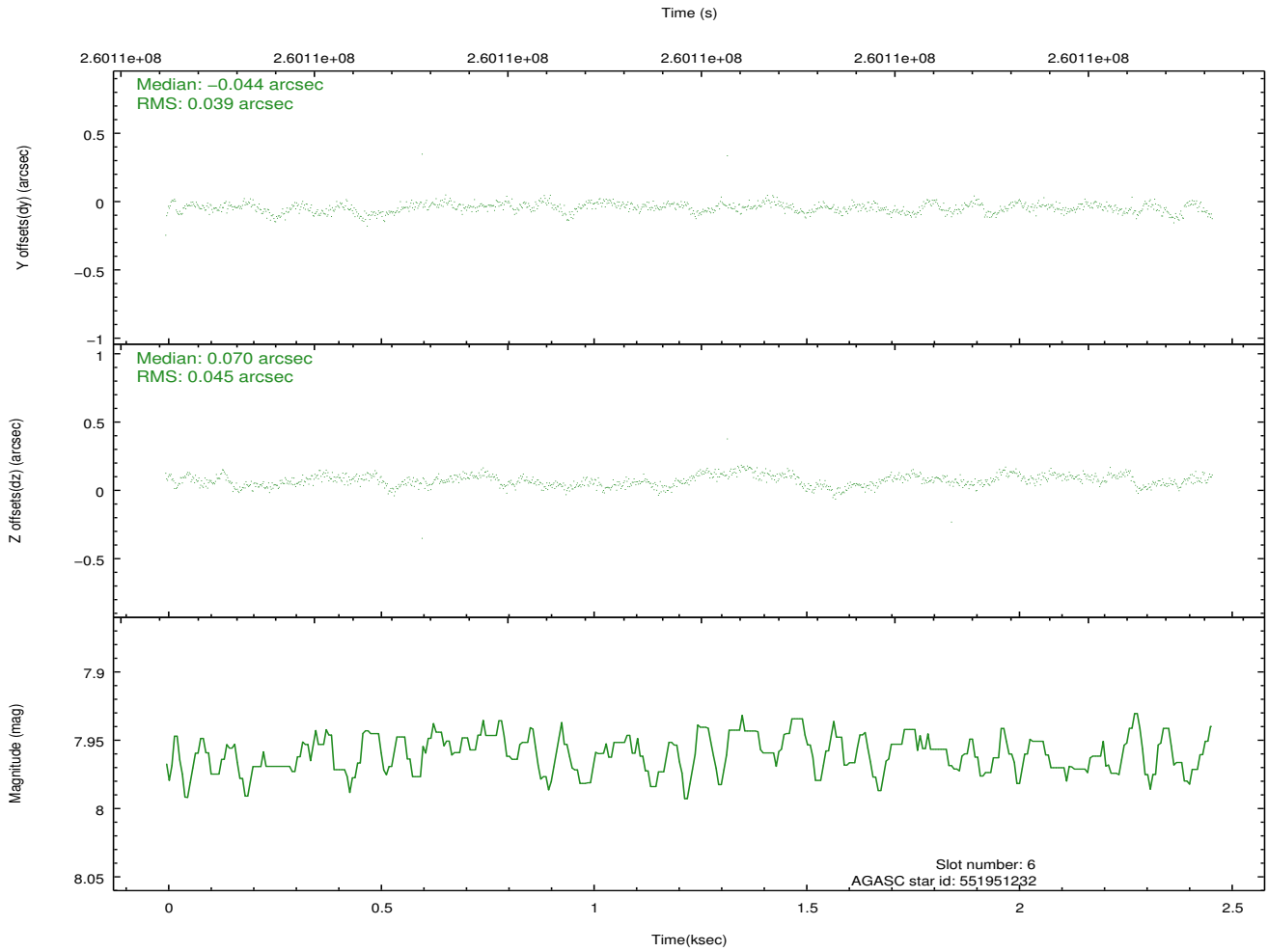
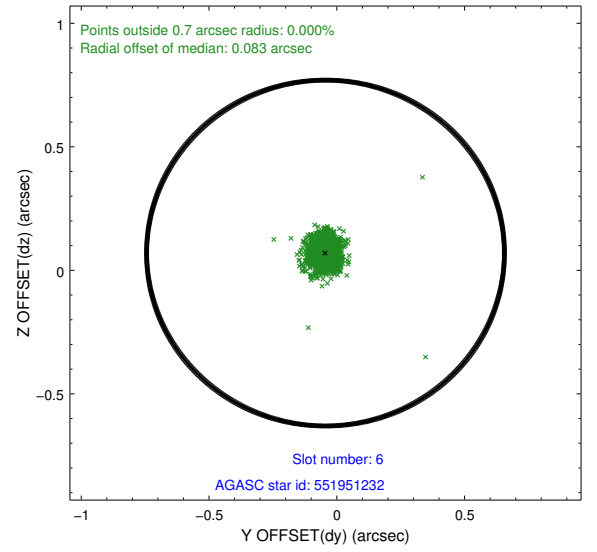
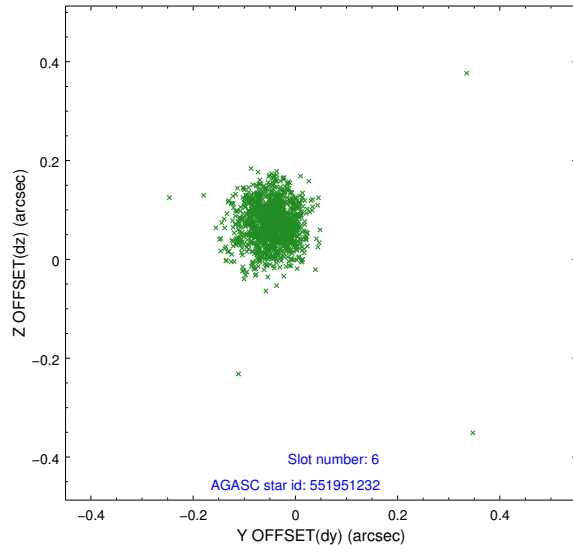
2.4.2 Slot 4



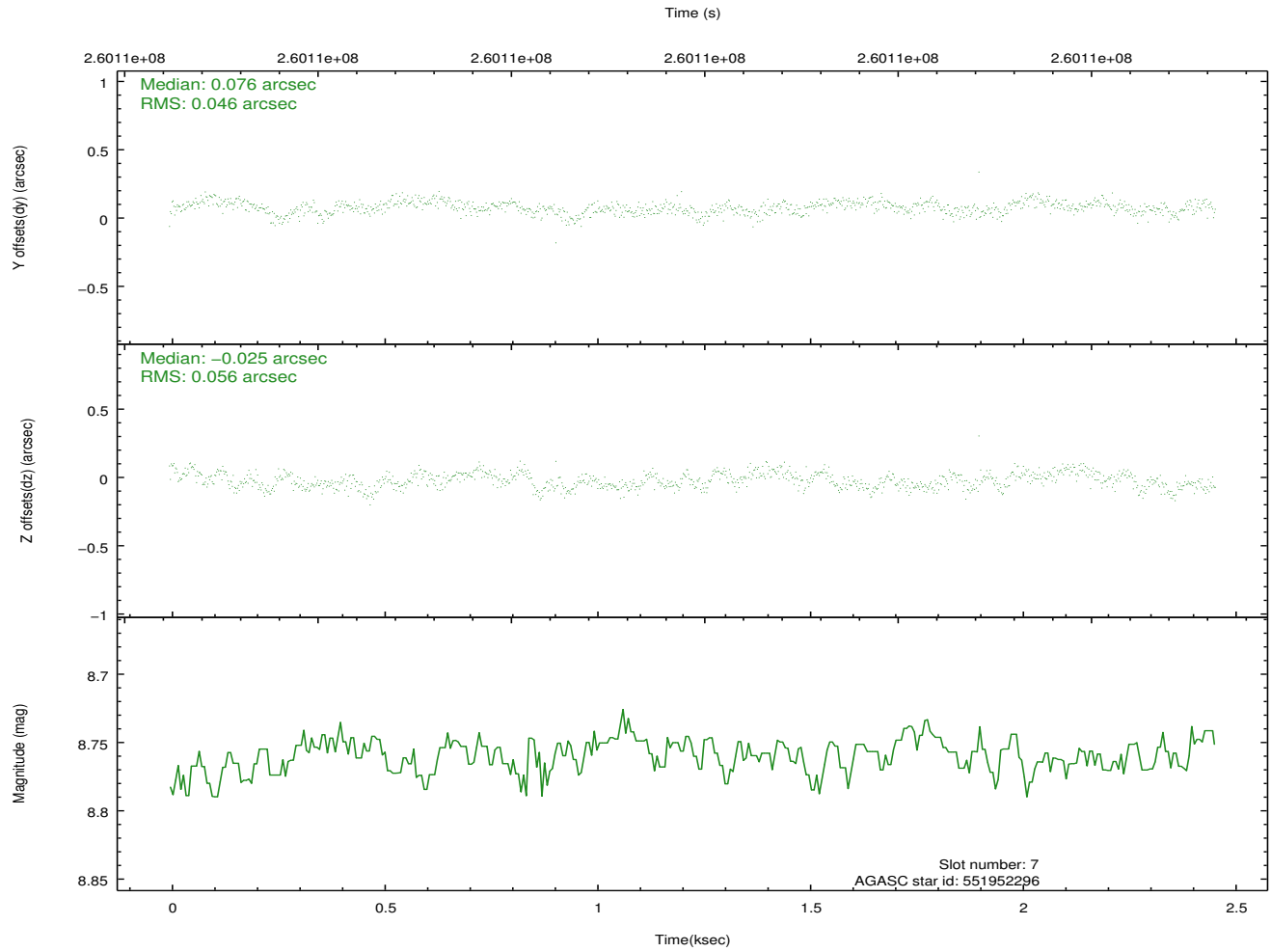
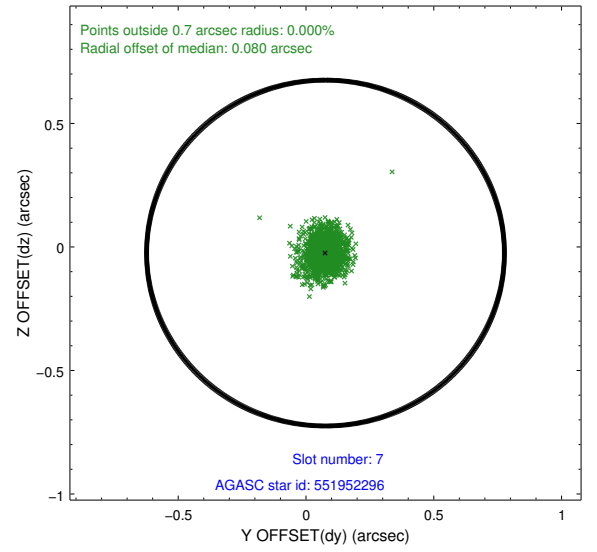
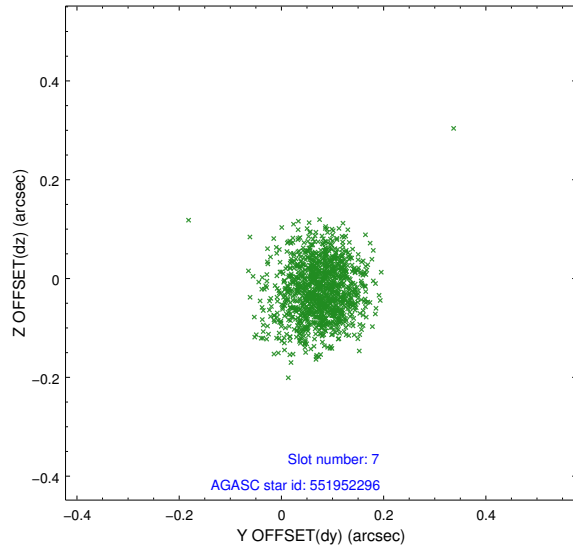
2.4.3 Slot 5



2.4.4 Slot 6

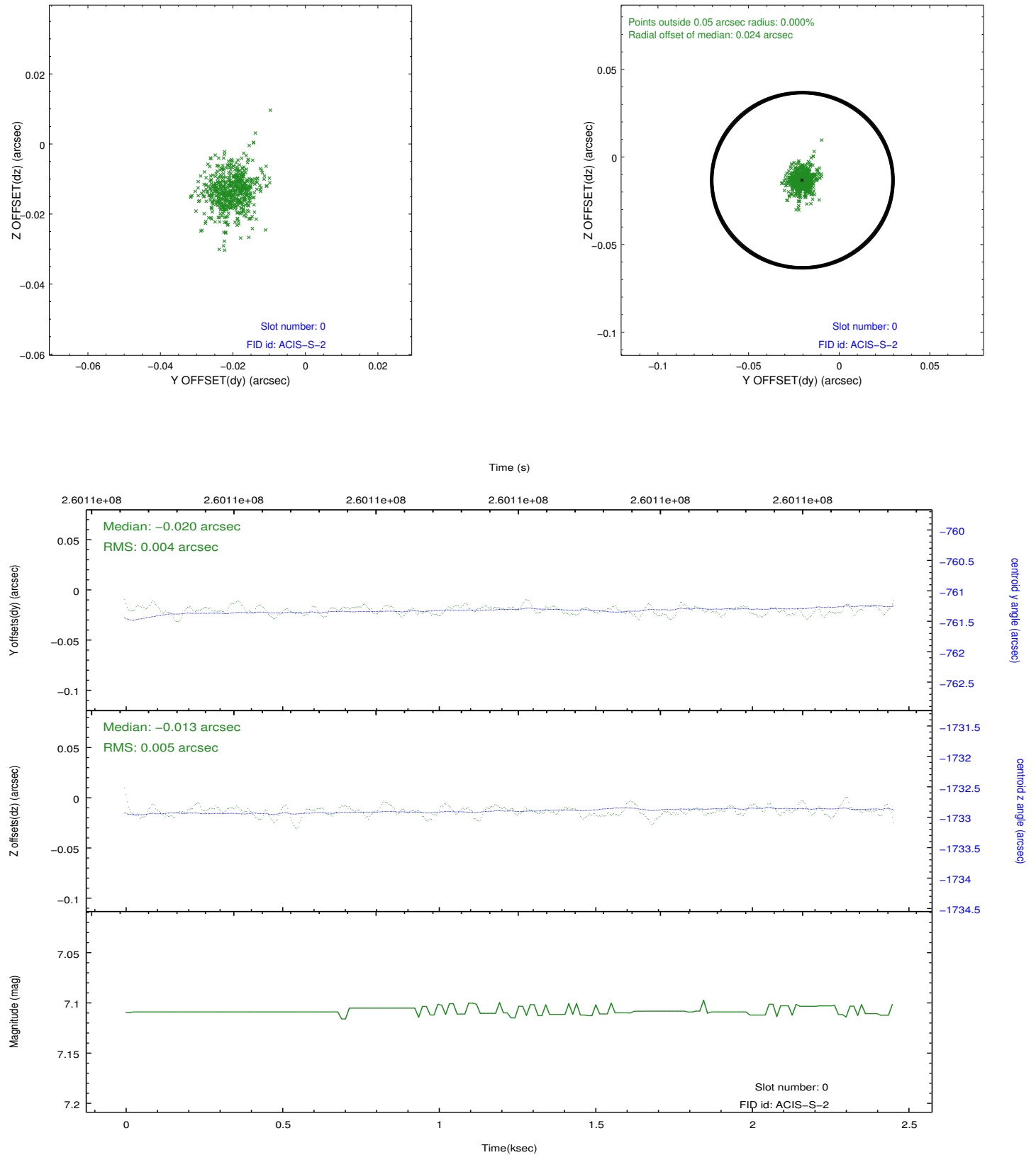


2.4.5 Slot 7

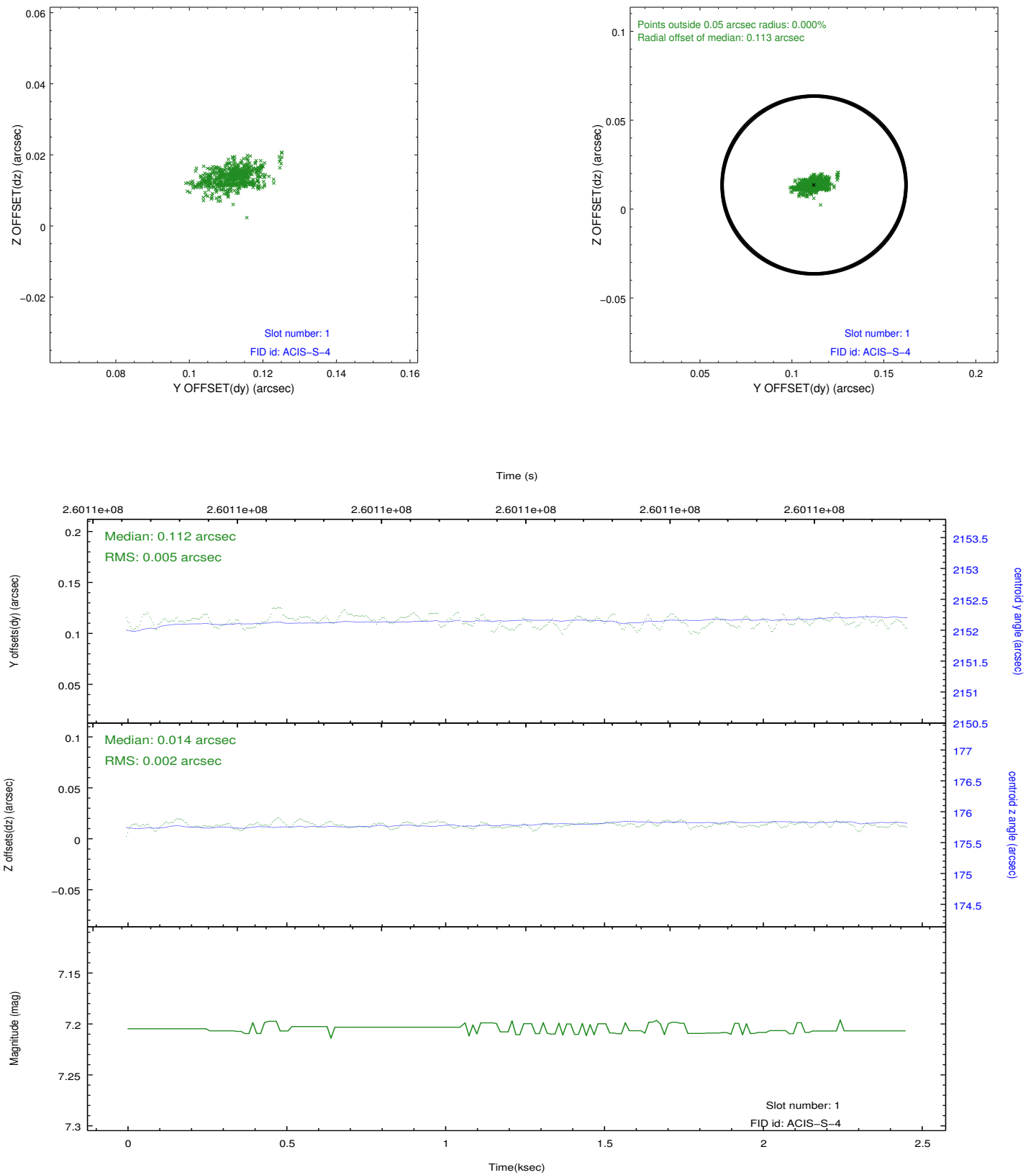


2.5 FID Slots

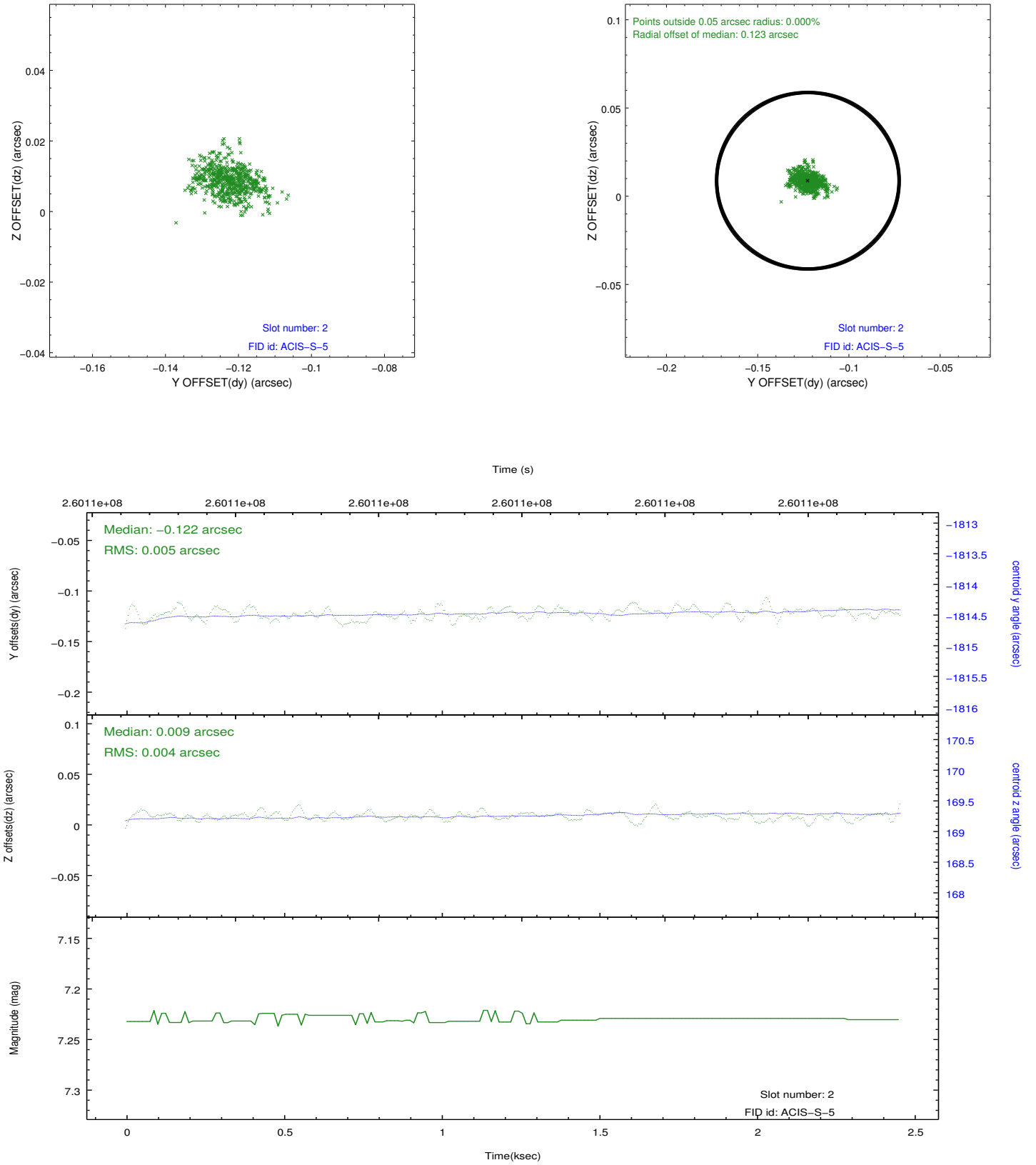
2.5.1 Slot 0



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)	2012.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.45519999

A.2 Comments