

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 385 - L2 Version 3
Chandra X-Ray Center

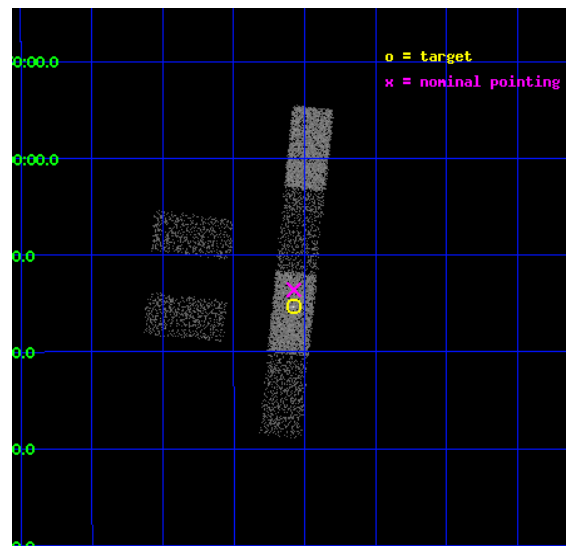
L2 Processing Date : Sep 1 2012

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

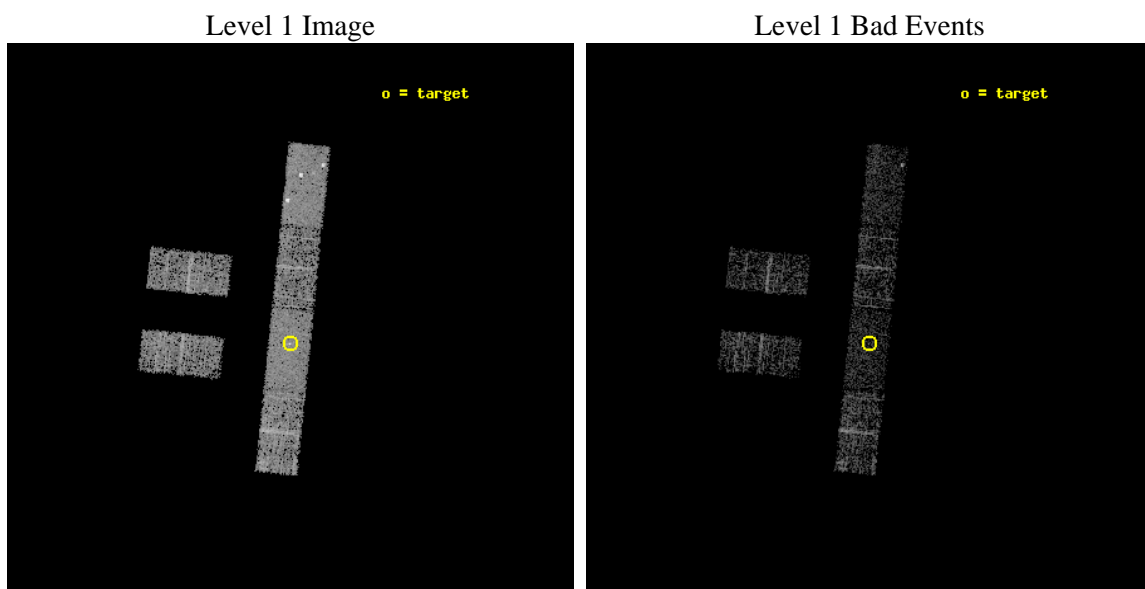
seq_num	700057	Sequence number
obs_id	385	Observation id
title	LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES	Proposal
observer	Professor Gordon Garmire	Principal investigator
object	NGC 1052	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	40.27	Observer's specified target RA [deg]
dec_targ	-8.255833	Observer's specified target Dec [deg]
ra_nom	40.268972750436	Nominal RA [deg]
dec_nom	-8.2265464714365	Nominal Dec [deg]
roll_nom	95.856597883512	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2393.9999960512	Sum of GTIs [s]
livetime	2340.6335510864	Livetime [s]
ontime2	2393.9999960512	Sum of GTIs [s]
ontime3	2393.9999960512	Sum of GTIs [s]
ontime5	2393.9999960512	Sum of GTIs [s]
ontime6	2393.9999960512	Sum of GTIs [s]
ontime7	2393.9999960512	Sum of GTIs [s]
ontime8	2393.9999960512	Sum of GTIs [s]
l2events	13284	Number of level 2 events



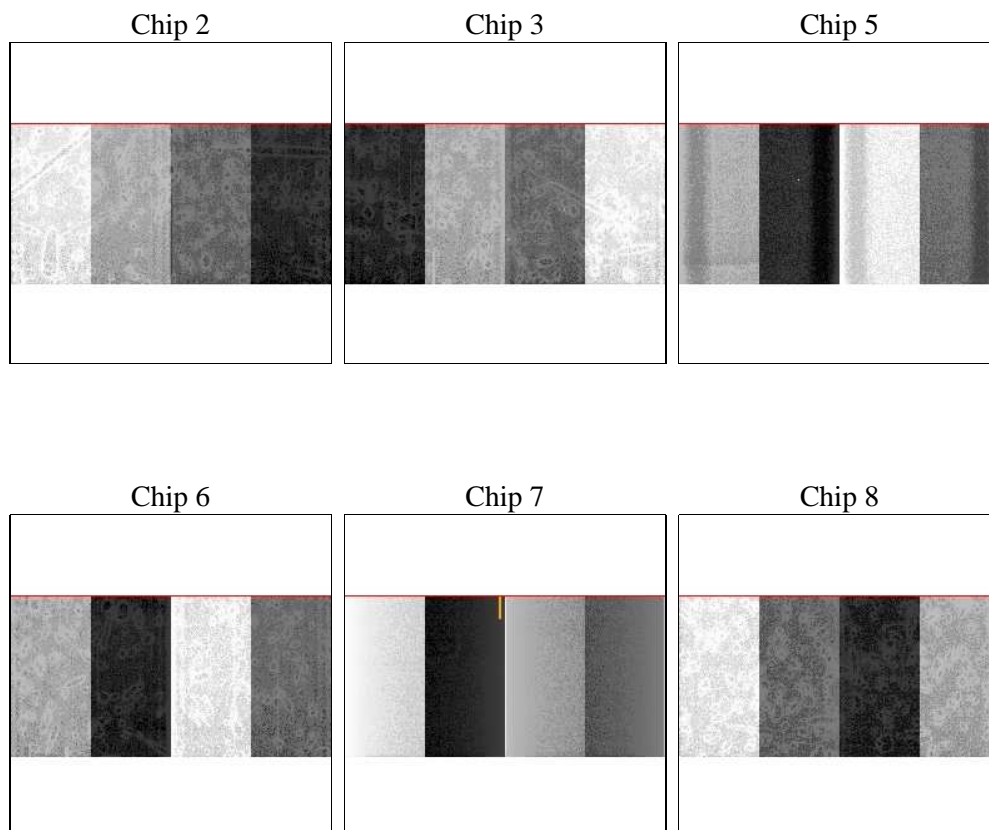
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2393.9999960512	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	2393.9999960512	Sum of GTIs [s]
date	2012-09-01T03:32:18	Date and time of file creation	ontime3	2393.9999960512	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2393.9999960512	Sum of GTIs [s]
			ontime6	2393.9999960512	Sum of GTIs [s]
			ontime7	2393.9999960512	Sum of GTIs [s]
			ontime8	2393.9999960512	Sum of GTIs [s]
			l1events	58471	Number of level 1 events

2.1.4 Events

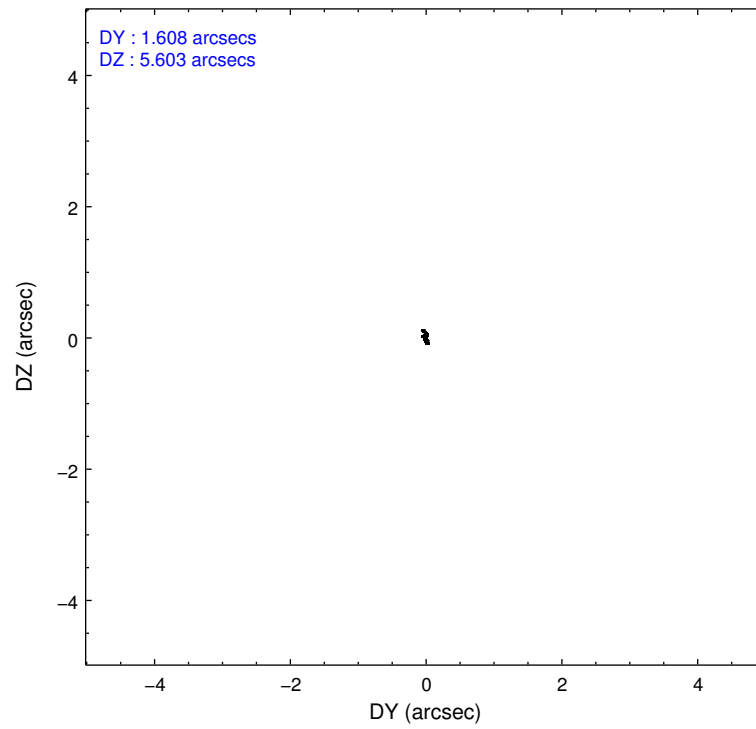
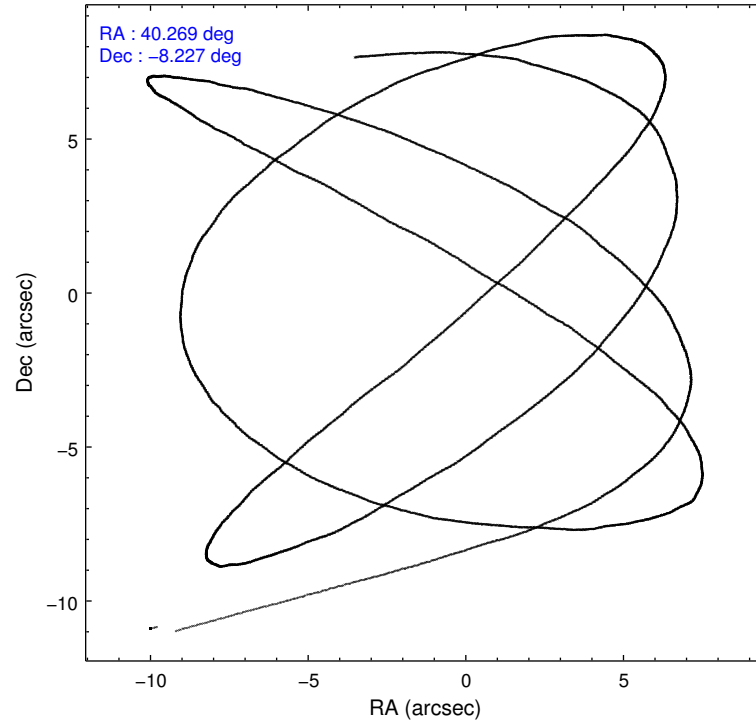
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	7868	8063	13420	7657	10385	11078
rejected events	6982	7186	5468	6692	5139	9148
rejected %	88%	89%	40%	87%	49%	82%

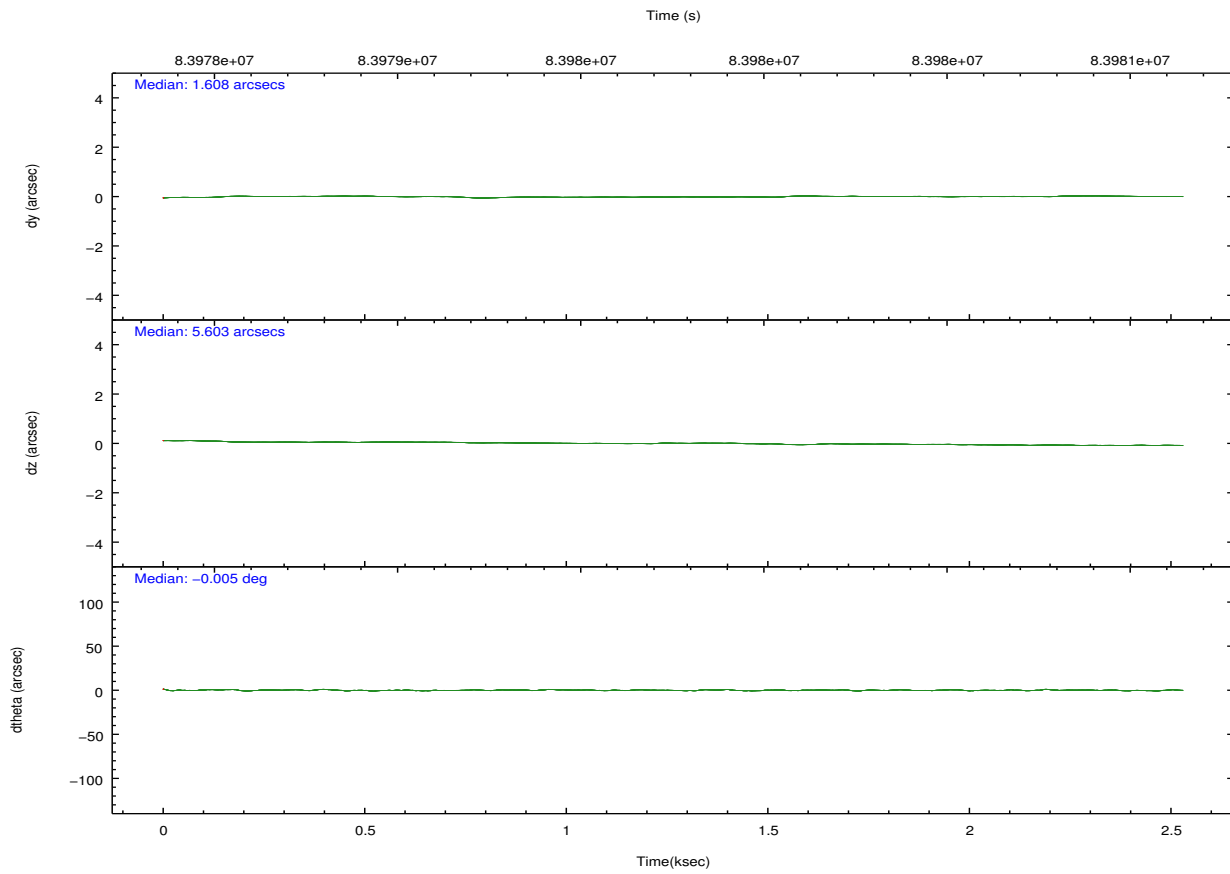
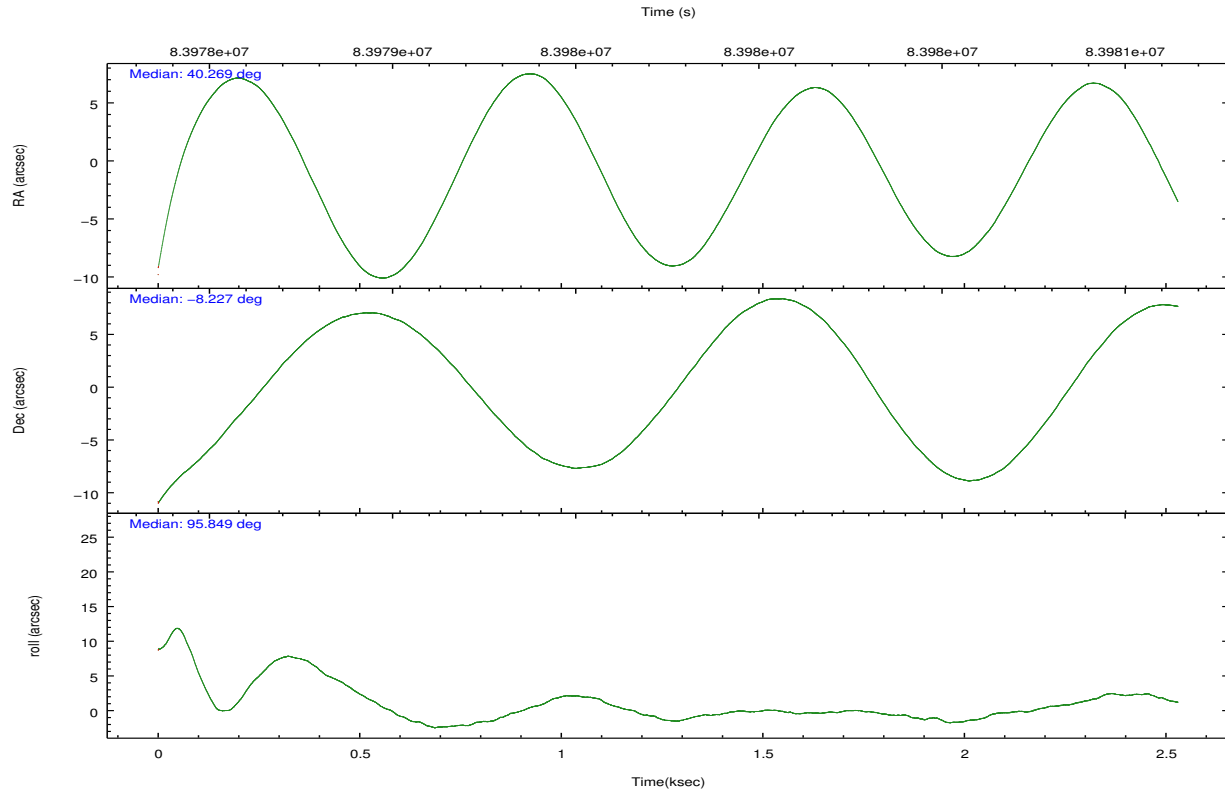
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	381	368	2897	402	615	639
	4%	4%	21%	5%	5%	5%
grade 1 events	1	1	40	2	10	6
	0%	0%	0%	0%	0%	0%
grade 2 events	159	158	1899	175	1093	353
	2%	1%	14%	2%	10%	3%
grade 3 events	97	100	312	137	524	184
	1%	1%	2%	1%	5%	1%
grade 4 events	83	106	312	94	528	178
	1%	1%	2%	1%	5%	1%
grade 5 events	226	230	888	271	854	380
	2%	2%	6%	3%	8%	3%
grade 6 events	168	145	2545	159	2496	577
	2%	1%	18%	2%	24%	5%
grade 7 events	6753	6955	4527	6417	4265	8761
	85%	86%	33%	83%	41%	79%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	40.285184	40.26897275043643	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	-8.248633	-8.226546471436478	Subarray start row	255	255
[deg] Pointing Roll	95.702278	95.85659788351167	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.8
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	83979017.184000	83977892.582496			
Observation start date	2000-08-29T23:29:13	2000-08-29T23:11:32			
[s] Observation end time (MET)	83981017.184000	83981689.69513801			
Observation end date	2000-08-30T00:02:33	2000-08-30T00:14:49			
Read mode	TIMED	TIMED			

2.3 Aspect



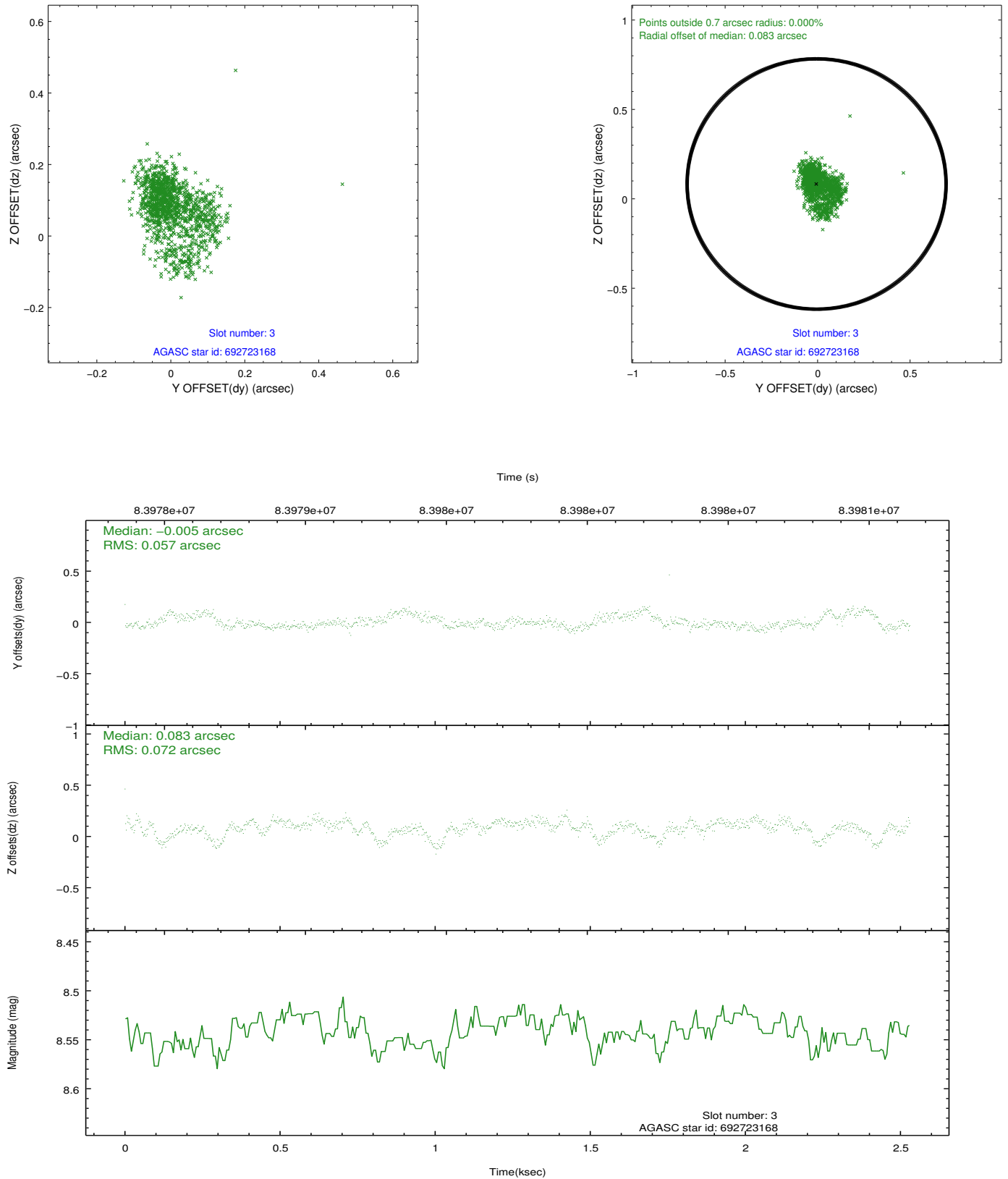


Slot Statistics

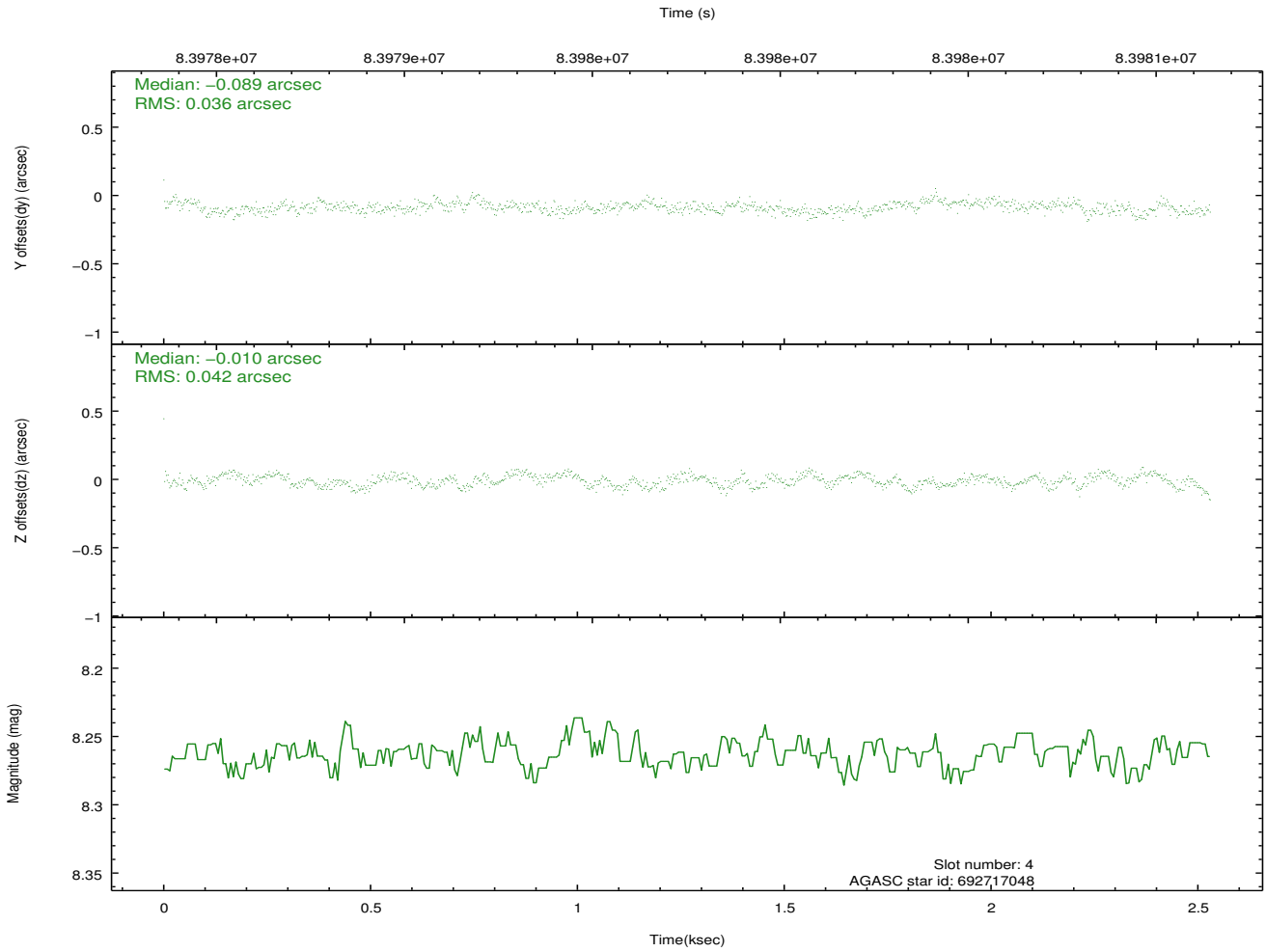
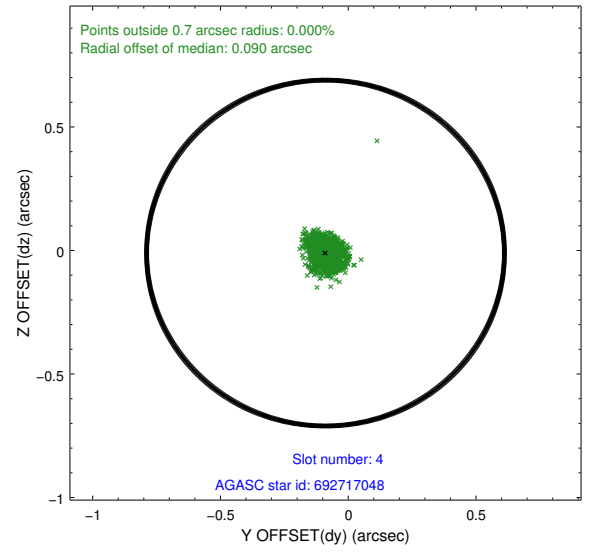
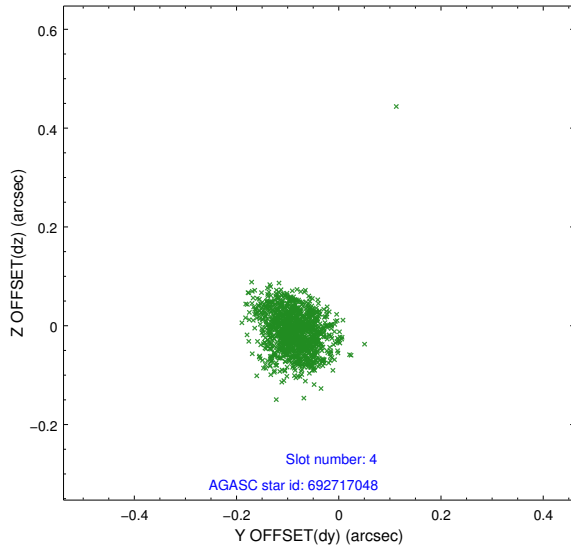
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	618	-0.037	0.009	0.006	0.010	0.000000	0.000000	-754.23	-1726.67
1	FID	ACIS-S-4	7.21	618	-0.020	0.015	0.005	0.010	0.000000	0.000000	2157.90	179.21
2	FID	ACIS-S-5	7.24	618	0.027	-0.016	0.006	0.010	0.000000	0.000000	-1803.73	175.72
3	GUIDE	692723168	8.54	1235	-0.005	0.083	0.094	0.163	40.831966	-8.281919	-313.56	-1925.40
4	GUIDE	692717048	8.26	1235	-0.089	-0.010	0.059	0.090	40.265114	-7.876896	1338.69	-62.39
5	GUIDE	692720256	8.23	1235	0.075	-0.094	0.069	0.102	40.539277	-8.375926	-544.62	-854.39
6	GUIDE	692717912	9.34	1235	0.046	-0.176	0.100	0.162	39.833965	-8.248709	158.24	1599.65
7	GUIDE	692719424	9.65	1232	-0.040	0.208	0.102	0.171	39.736411	-8.385493	-297.29	1996.13

2.4 Star Slots

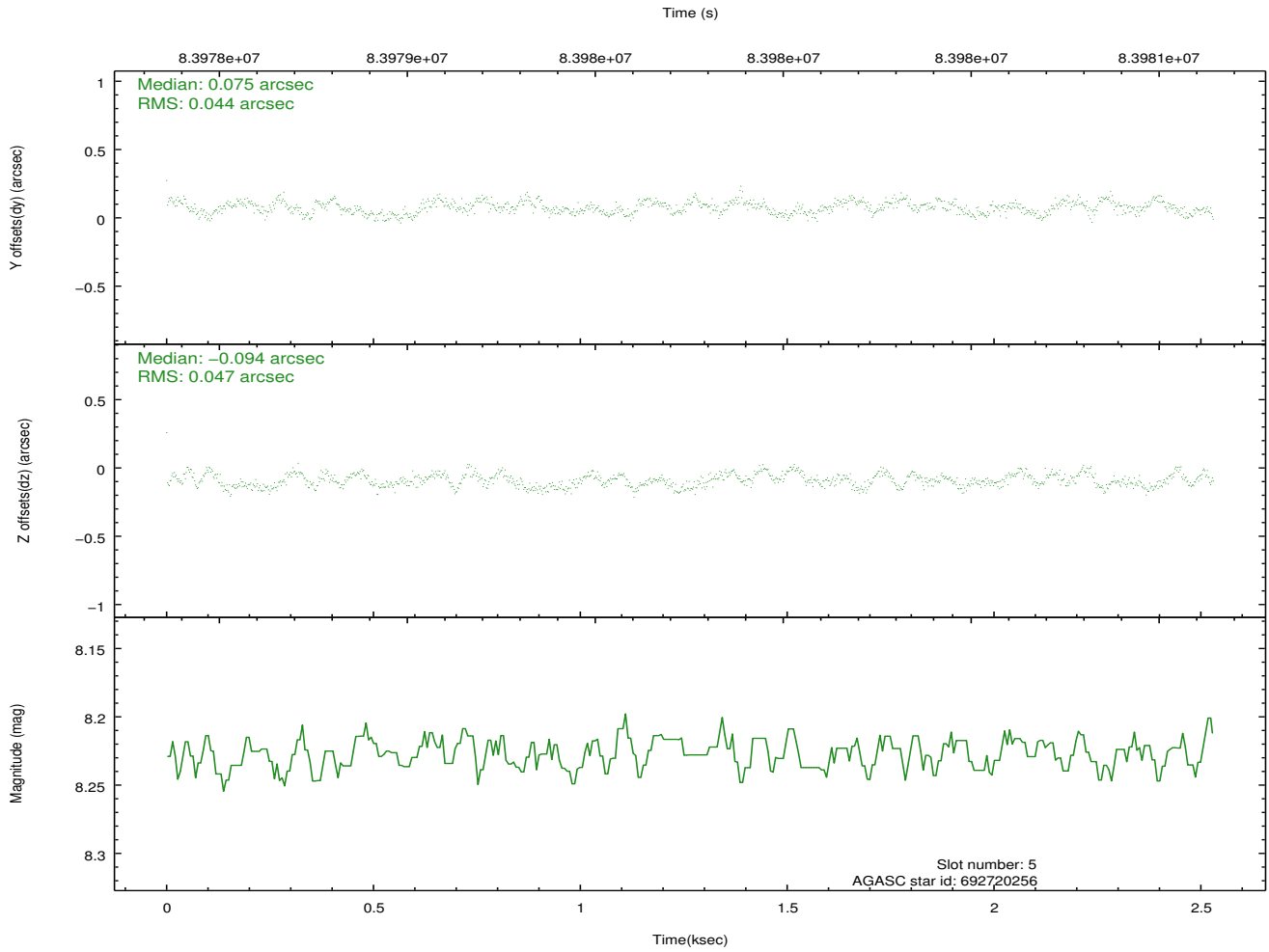
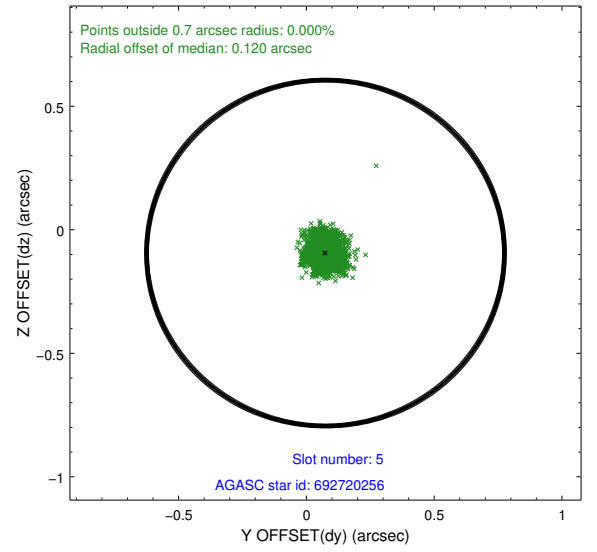
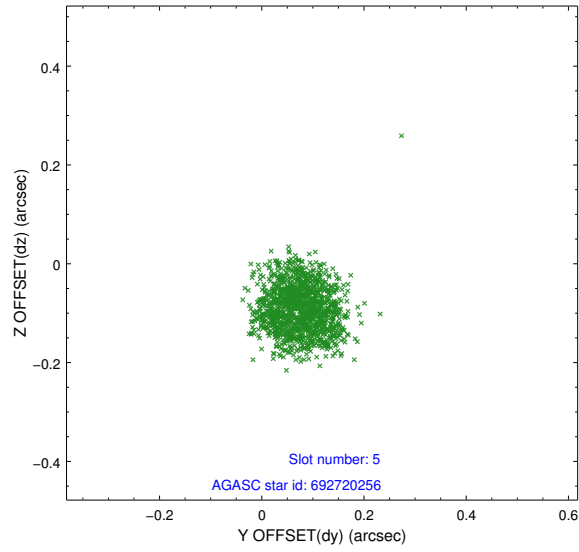
2.4.1 Slot 3



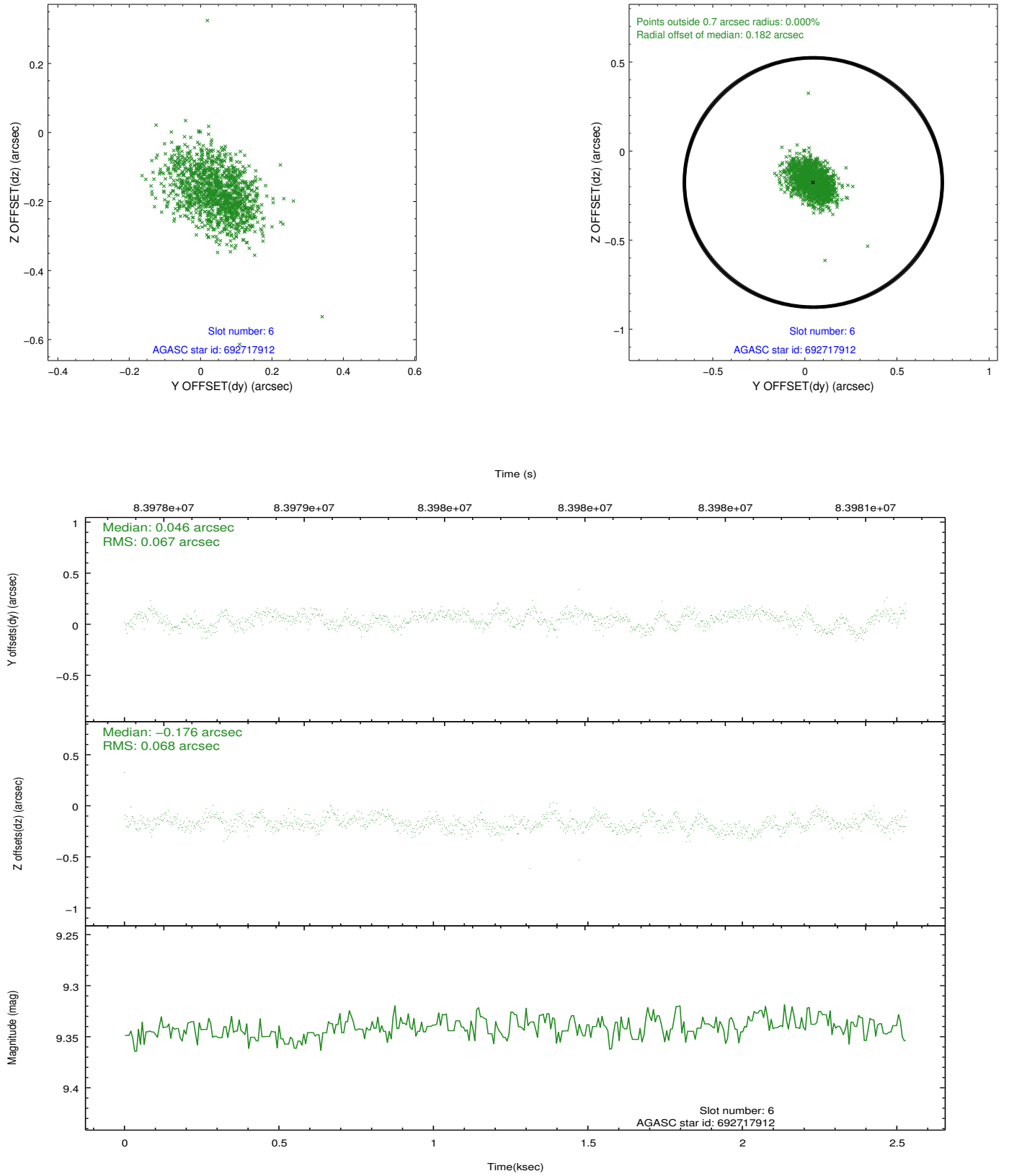
2.4.2 Slot 4



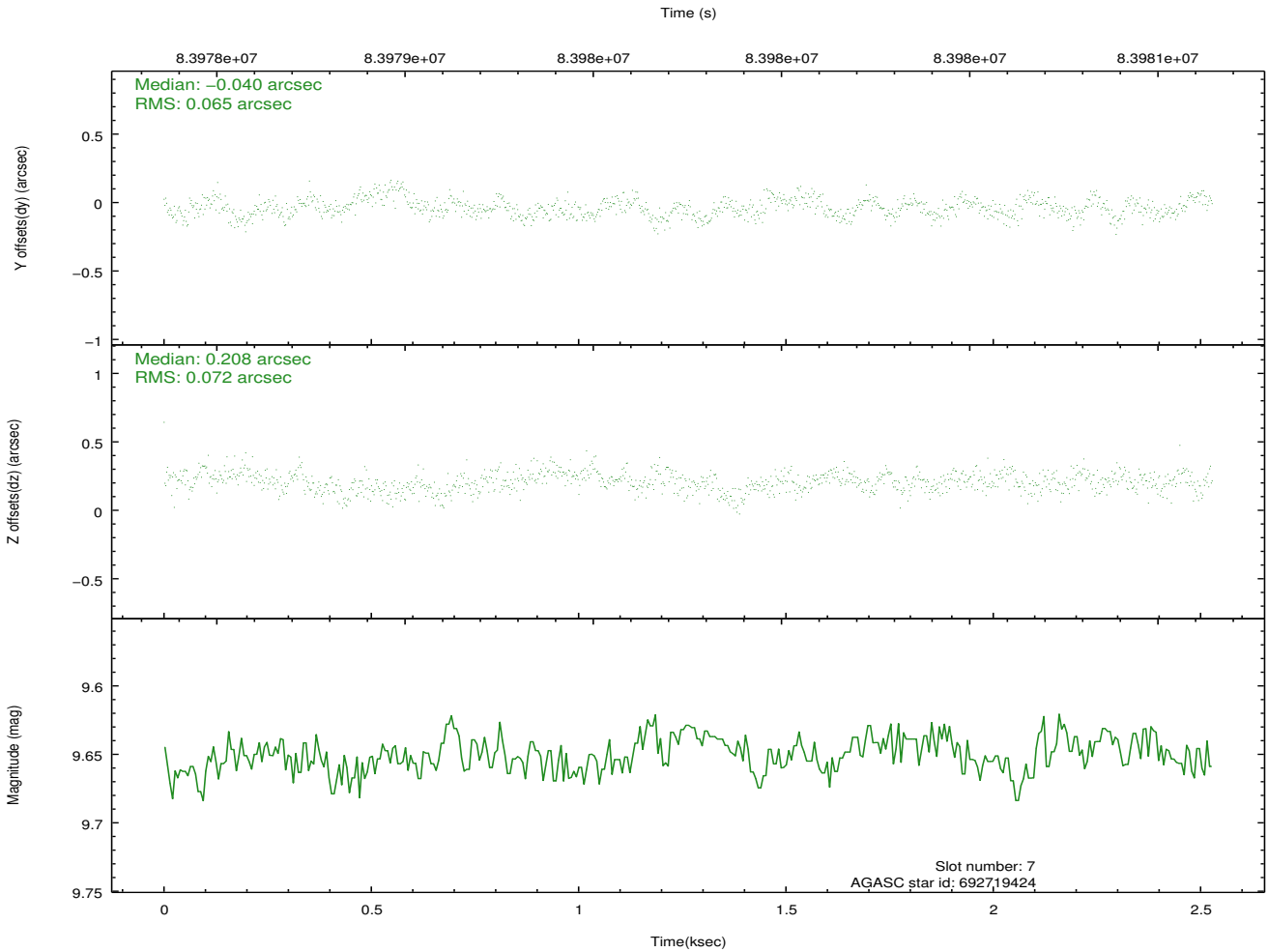
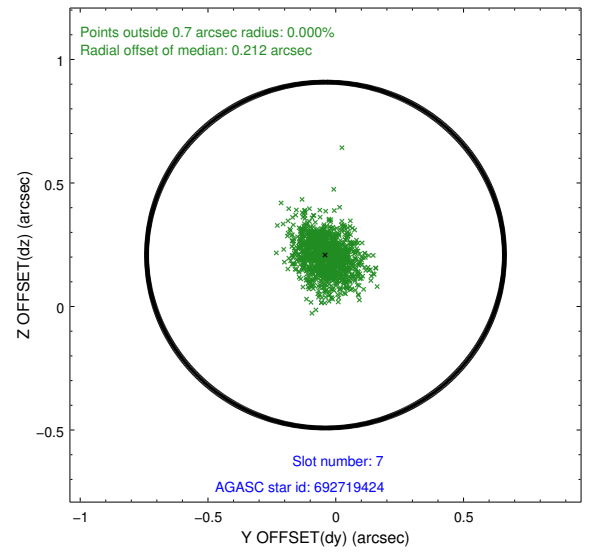
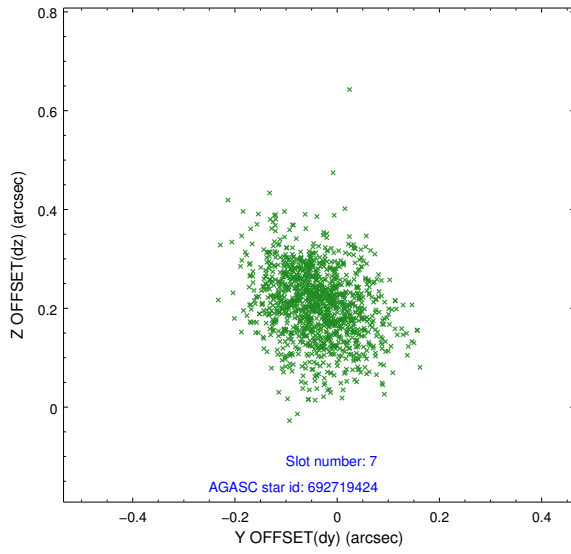
2.4.3 Slot 5



2.4.4 Slot 6

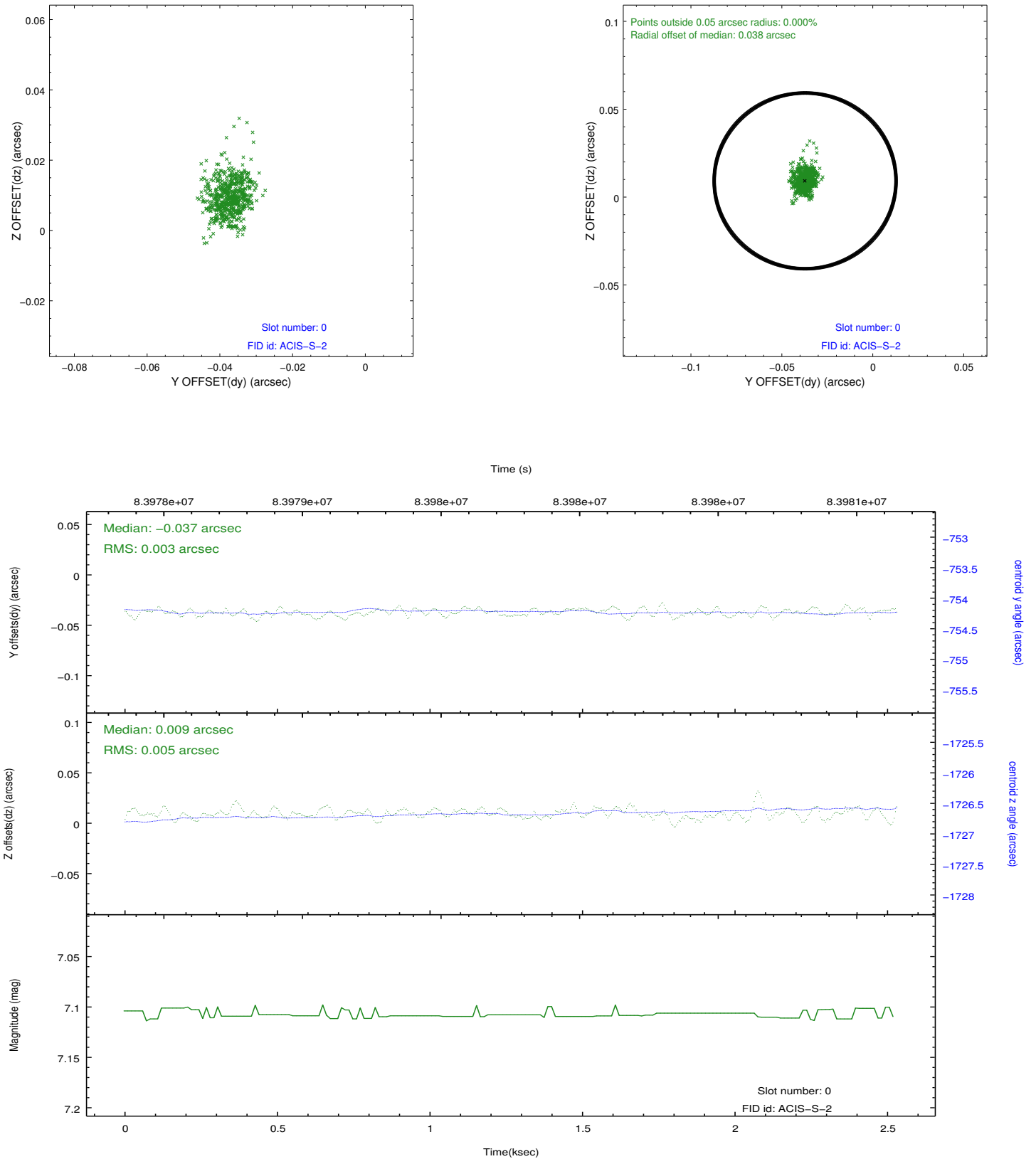


2.4.5 Slot 7

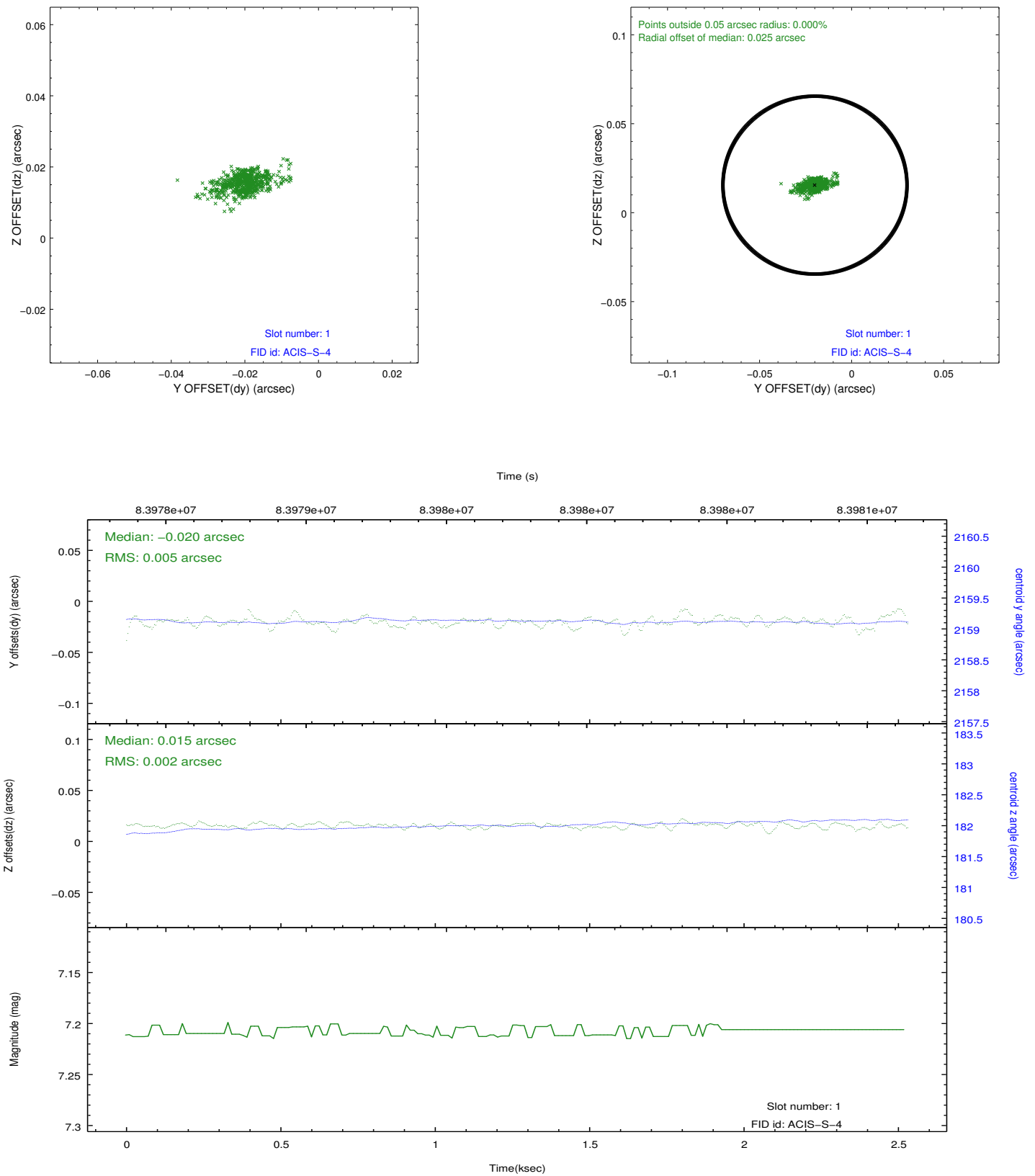


2.5 FID Slots

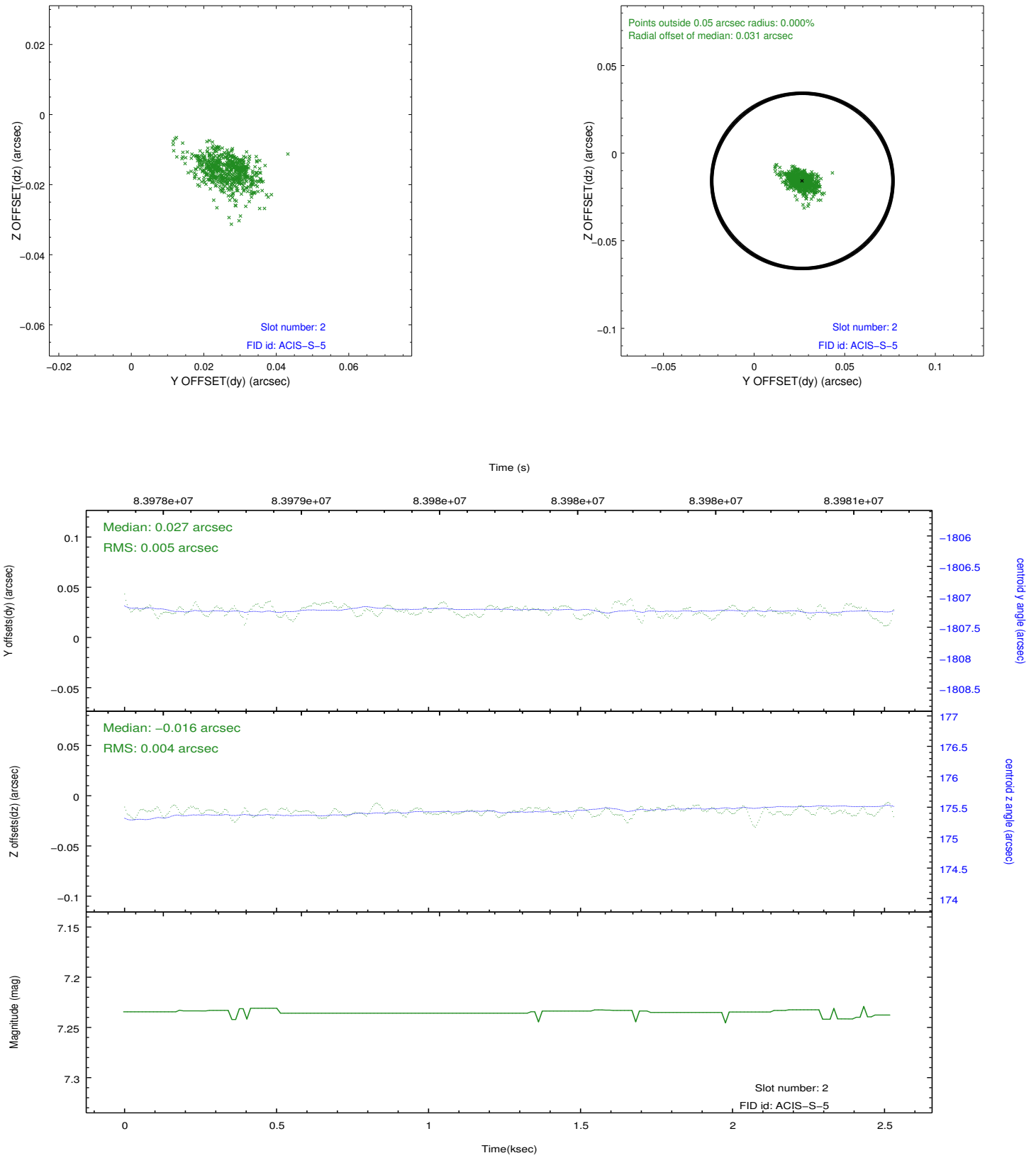
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.395

A.2 Comments