

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 5901 - L2 Version 3
Chandra X-Ray Center

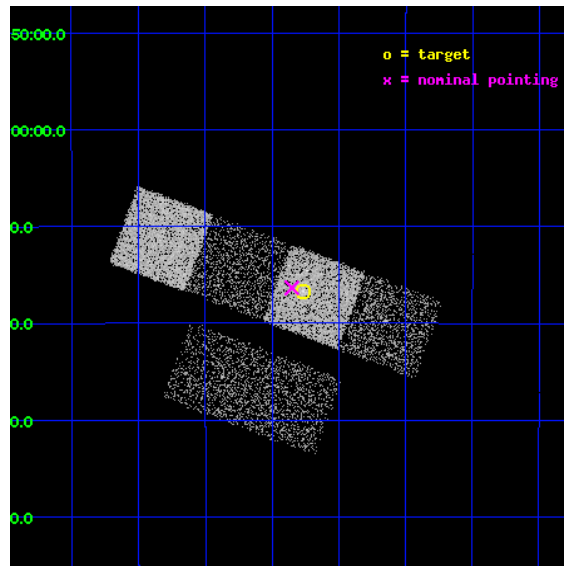
L2 Processing Date : Dec 16 2012

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1 Front

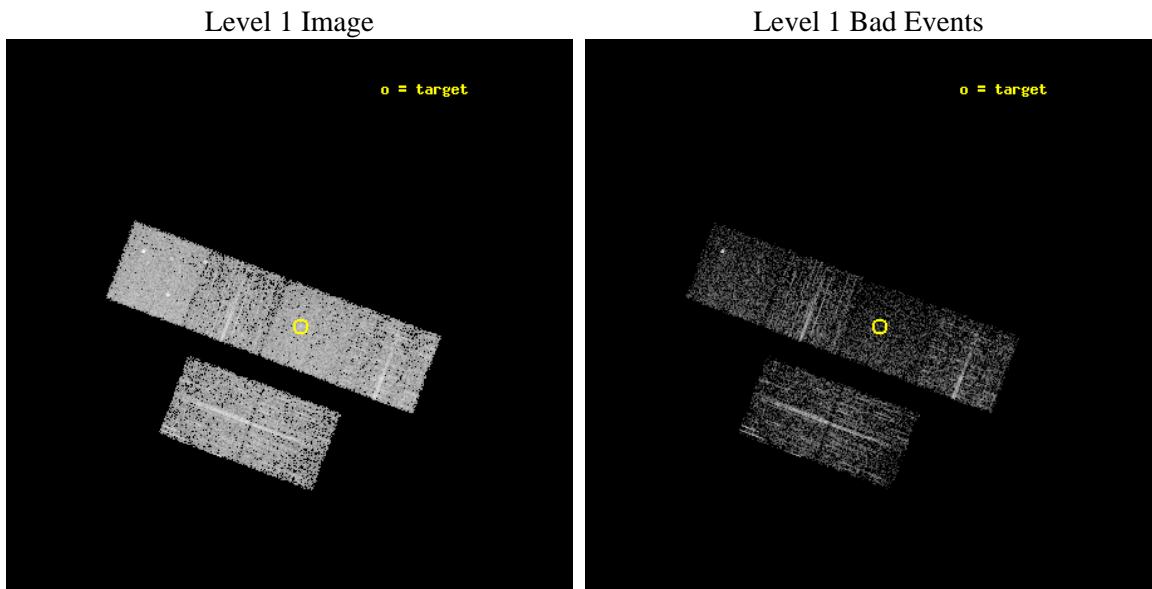
seq_num	600420	Sequence number
obs_id	5901	Observation id
title	Snapshot Observations of X-ray Bright Early-Type Galaxies	Proposal
observer	Dr. Stephen Murray	Principal investigator
object	NGC2986	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	146.066667	Observer's specified target RA [deg]
dec_targ	-21.278056	Observer's specified target Dec [deg]
ra_nom	146.0879101771	Nominal RA [deg]
dec_nom	-21.272481391337	Nominal Dec [deg]
roll_nom	20.433916685788	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2473.2043051124	Sum of GTIs [s]
livetime	2441.8871030162	Livetime [s]
ontime2	2473.2453451157	Sum of GTIs [s]
ontime3	2473.0811851025	Sum of GTIs [s]
ontime5	2473.1632651091	Sum of GTIs [s]
ontime6	2473.1222251058	Sum of GTIs [s]
ontime7	2473.2043051124	Sum of GTIs [s]
ontime8	2473.040145129	Sum of GTIs [s]
l2events	22950	Number of level 2 events



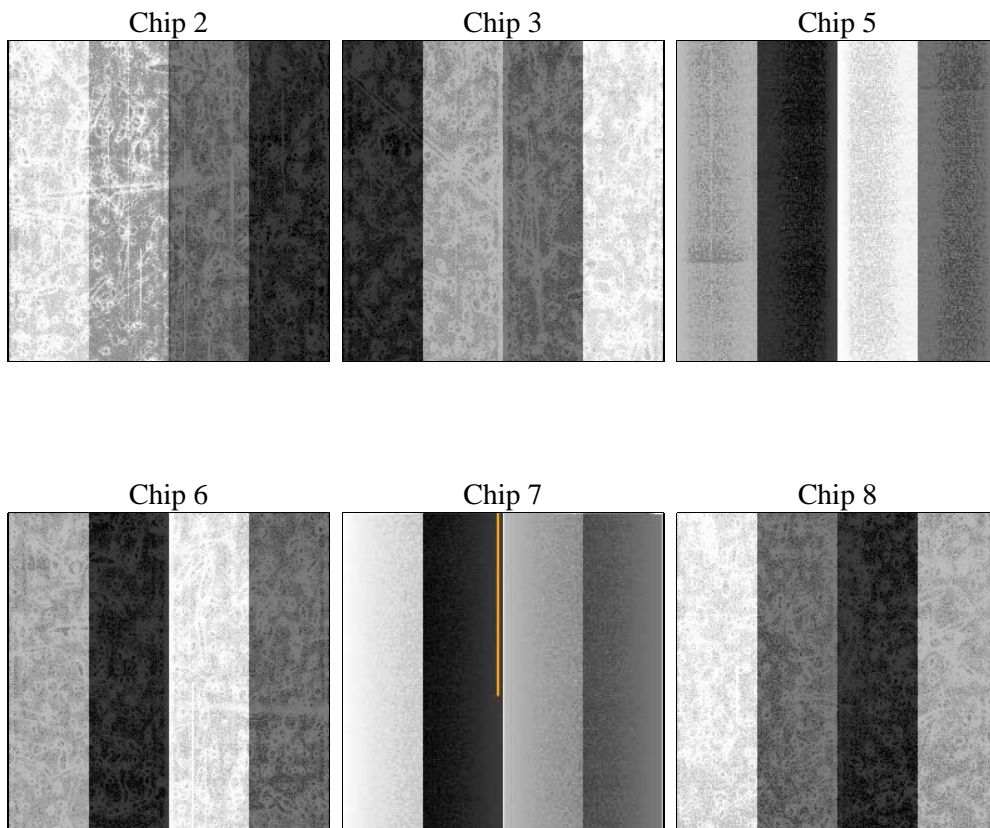
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2500.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	2473.2043051124	Sum of GTIs [s]
caldsver	4.5.5	 	ontime2	2473.2453451157	Sum of GTIs [s]
date	2012-12-16T12:17:13	Date and time of file creation	ontime3	2473.0811851025	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2473.1632651091	Sum of GTIs [s]
			ontime6	2473.1222251058	Sum of GTIs [s]
			ontime7	2473.2043051124	Sum of GTIs [s]
			ontime8	2473.040145129	Sum of GTIs [s]
			l1events	101325	Number of level 1 events

2.1.4 Events

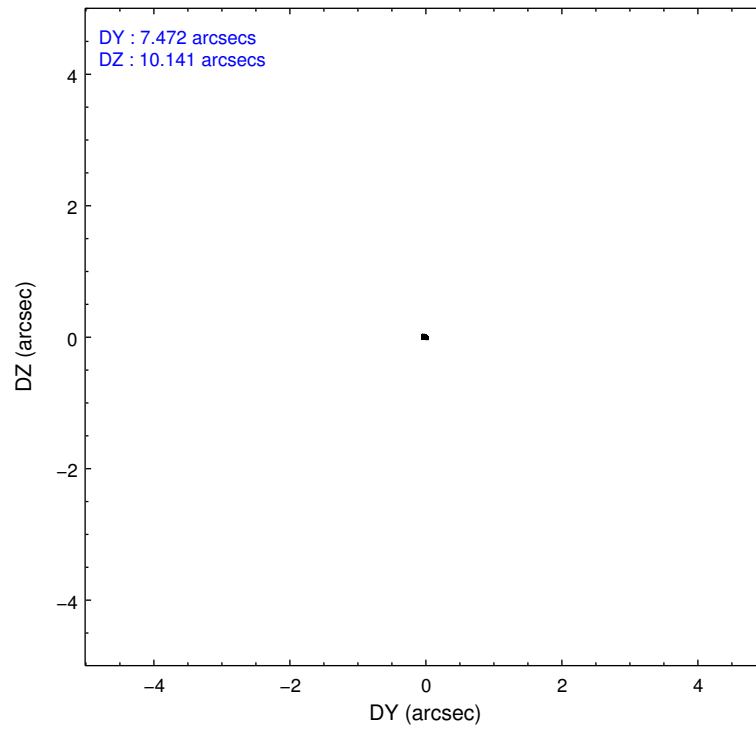
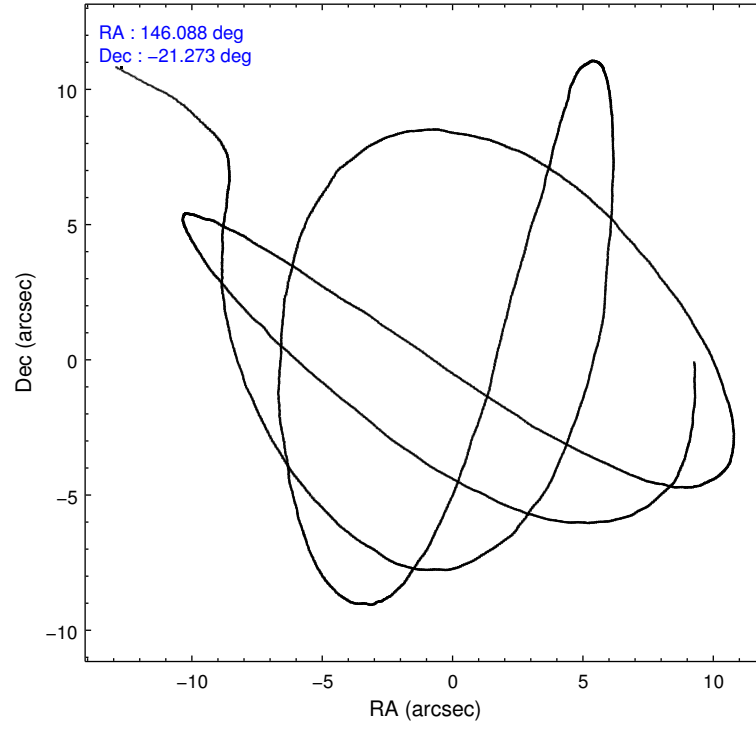
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	15661	14370	20603	15200	17034	18457
rejected events	14125	12934	10526	13534	8748	13994
rejected %	90%	90%	51%	89%	51%	75%

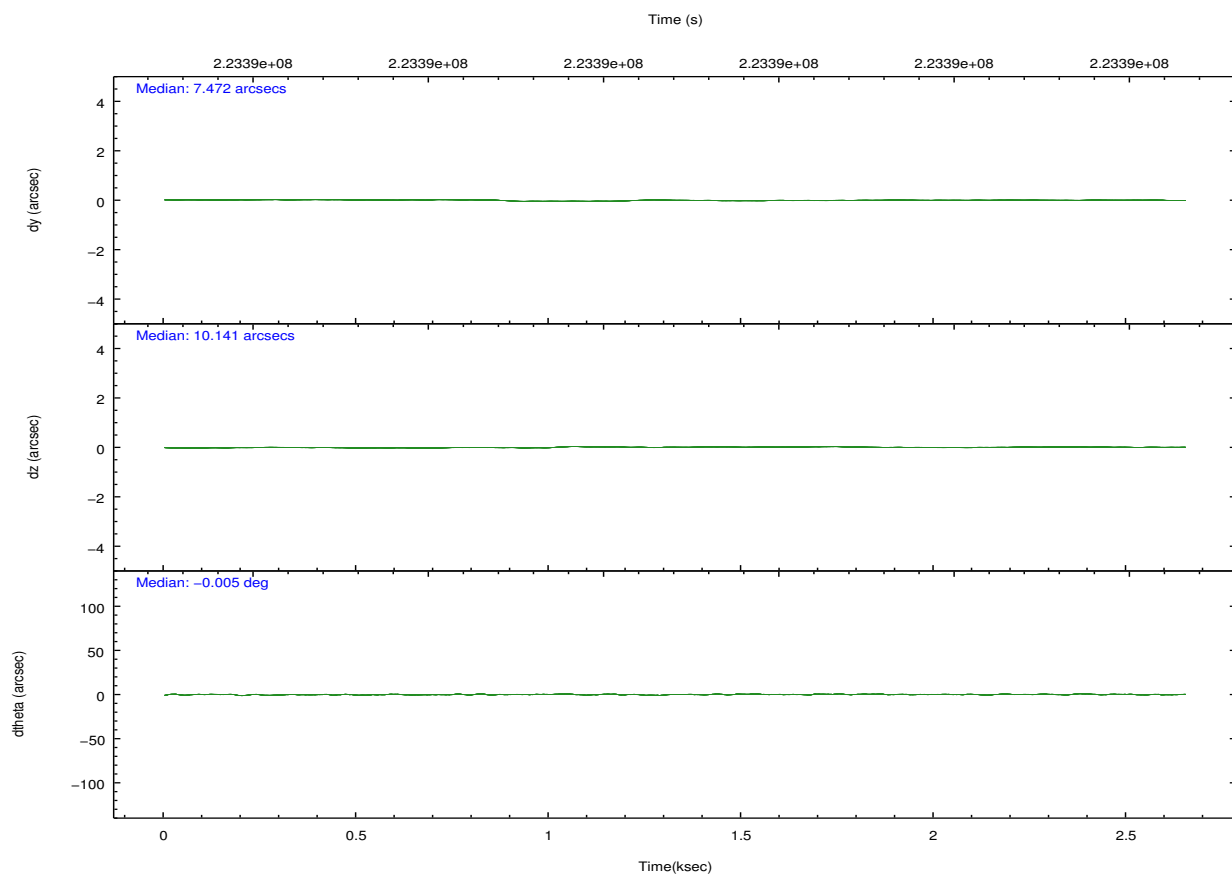
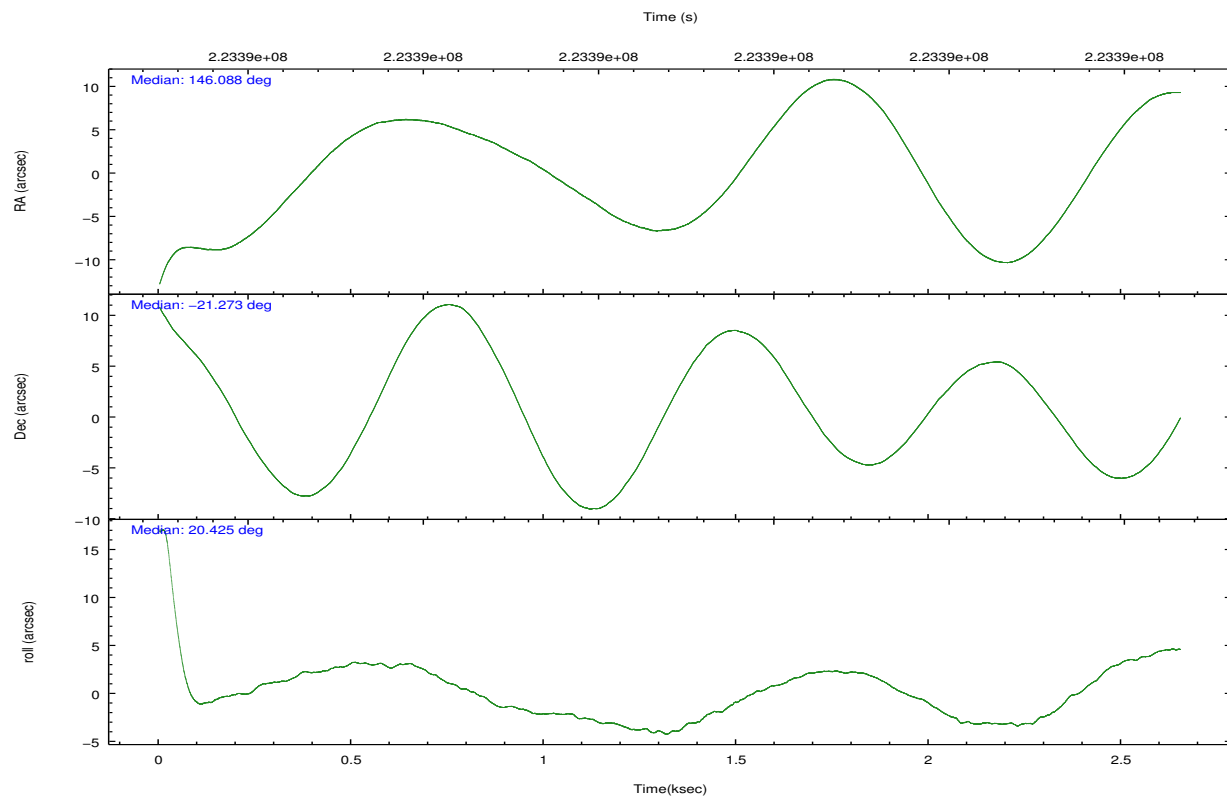
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	554	545	1055	624	958	1386
	3%	3%	5%	4%	5%	7%
grade 1 events	7	8	22	8	13	16
	0%	0%	0%	0%	0%	0%
grade 2 events	358	268	2933	341	1714	968
	2%	1%	14%	2%	10%	5%
grade 3 events	155	162	496	181	800	507
	0%	1%	2%	1%	4%	2%
grade 4 events	170	165	411	189	805	476
	1%	1%	1%	1%	4%	2%
grade 5 events	535	582	1819	614	1794	878
	3%	4%	8%	4%	10%	4%
grade 6 events	304	299	5211	336	4025	1131
	1%	2%	25%	2%	23%	6%
grade 7 events	13578	12341	8656	12907	6925	13095
	86%	85%	42%	84%	40%	70%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	146.069811	146.0879101770973	Subarray requested	NONE	NONE
[deg] Pointing Dec	-21.293676	-21.27248139133686	Alternating exposures requested	N	N
[deg] Pointing Roll	20.270608	20.43391668578804	[s] Primary exposure time	0.000000	3.2
[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)	223391531.184000	223390554.56073			
Observation start date	2005-01-29T13:11:07	2005-01-29T12:55:54			
[s] Observation end time (MET)	223394031.184000	223394461.8609			
Observation end date	2005-01-29T13:52:47	2005-01-29T14:01:01			
Read mode	TIMED	TIMED			

2.3 Aspect



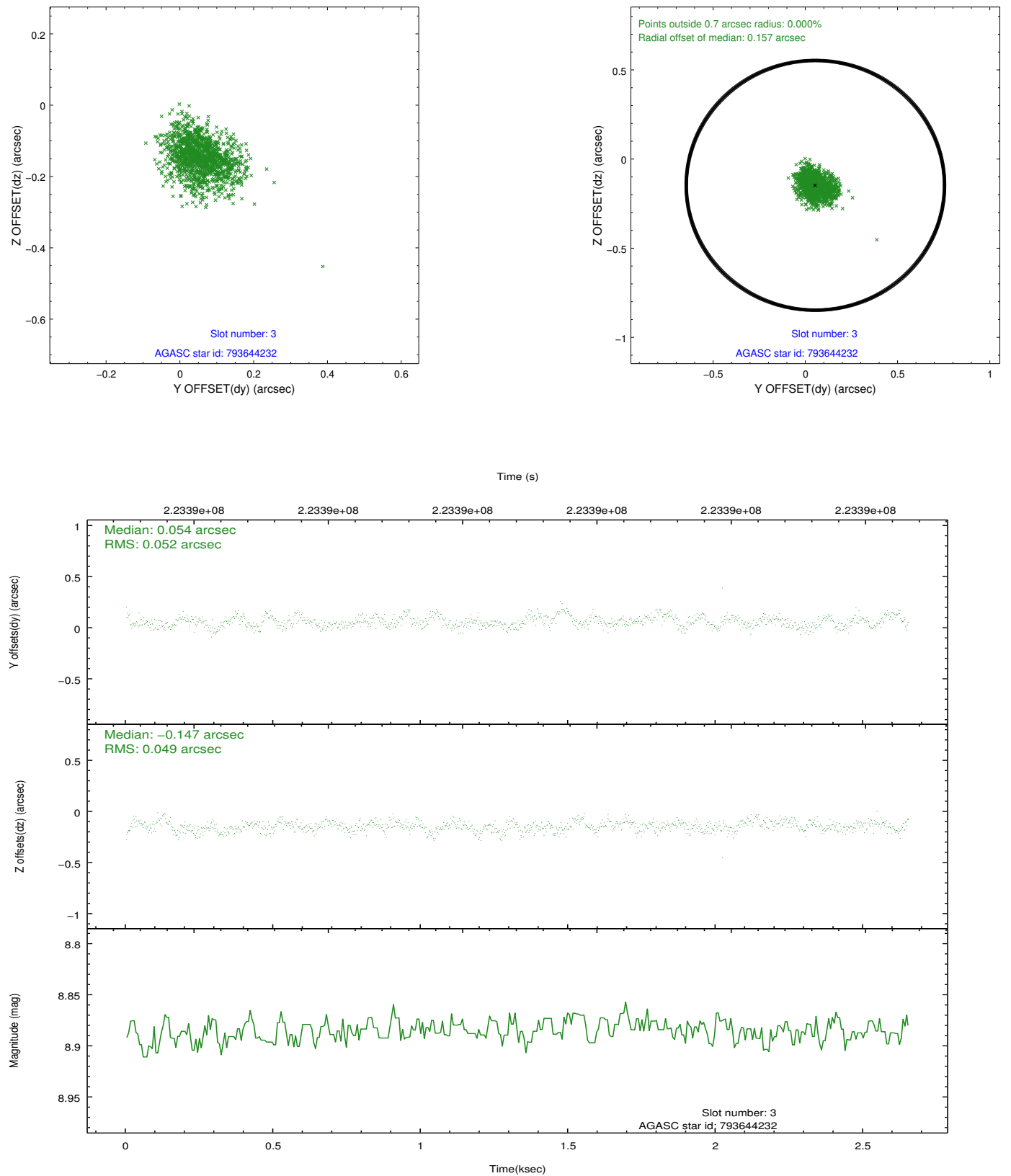


Slot Statistics

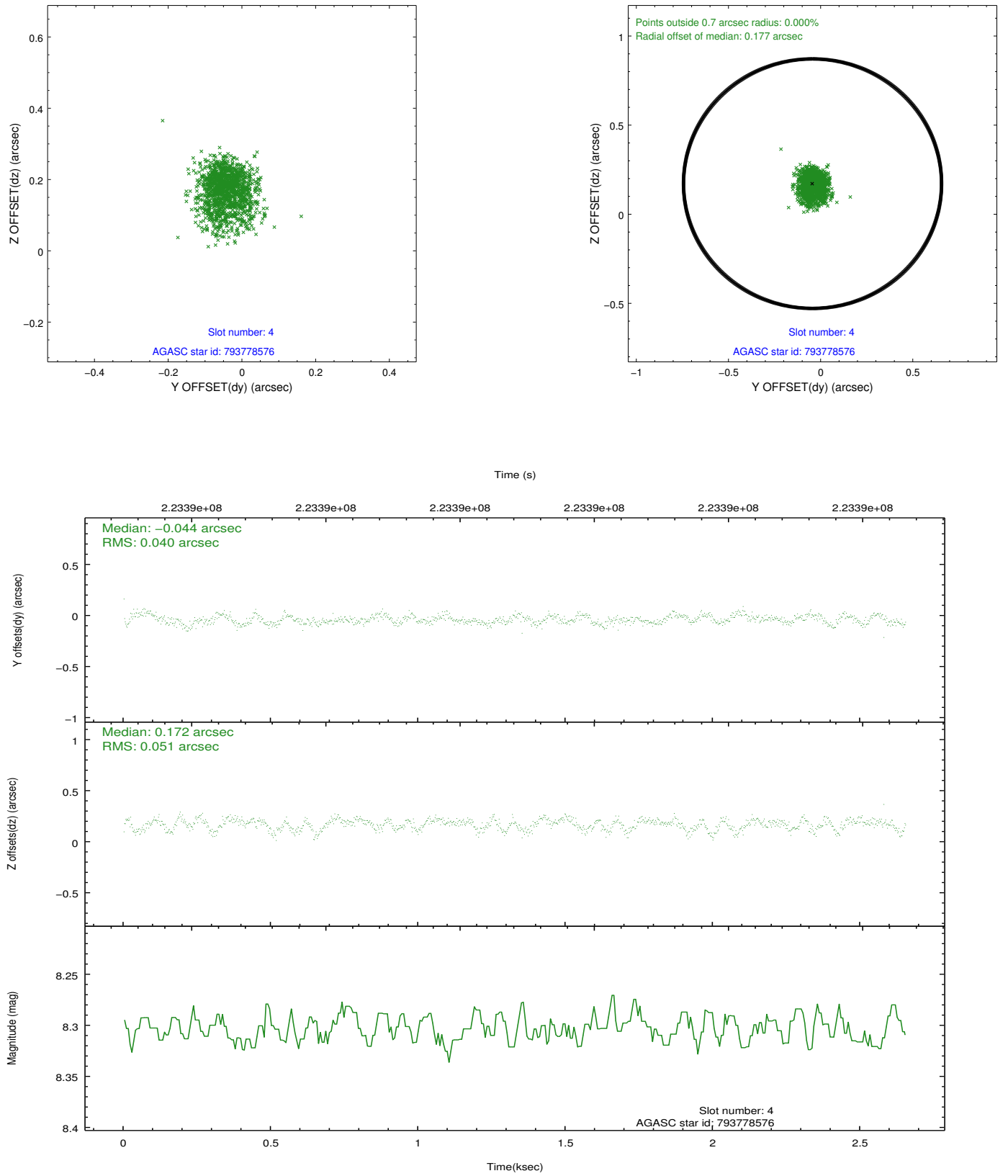
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	647	-0.053	-0.031	0.008	0.012	0.000000	0.000000	-760.24	-1731.44
1	FID	ACIS-S-4	7.20	647	0.113	0.034	0.006	0.011	0.000000	0.000000	2152.05	174.66
2	FID	ACIS-S-5	7.23	648	-0.091	0.006	0.007	0.012	0.000000	0.000000	-1810.05	170.98
3	GUIDE	793644232	8.89	1295	0.054	-0.147	0.074	0.122	145.501411	-20.919397	-1326.70	1922.73
4	GUIDE	793778576	8.30	1294	-0.044	0.172	0.068	0.114	146.164515	-21.957858	-531.60	-2351.07
5	GUIDE	793779344	8.32	1295	-0.096	-0.096	0.057	0.095	146.313111	-20.672070	1543.47	1813.38
6	GUIDE	793779416	8.24	1295	-0.039	0.126	0.071	0.112	146.782685	-21.700697	1729.59	-2203.78
7	GUIDE	793653224	8.80	1294	0.119	-0.047	0.072	0.119	145.937146	-21.155491	-243.16	619.05

2.4 Star Slots

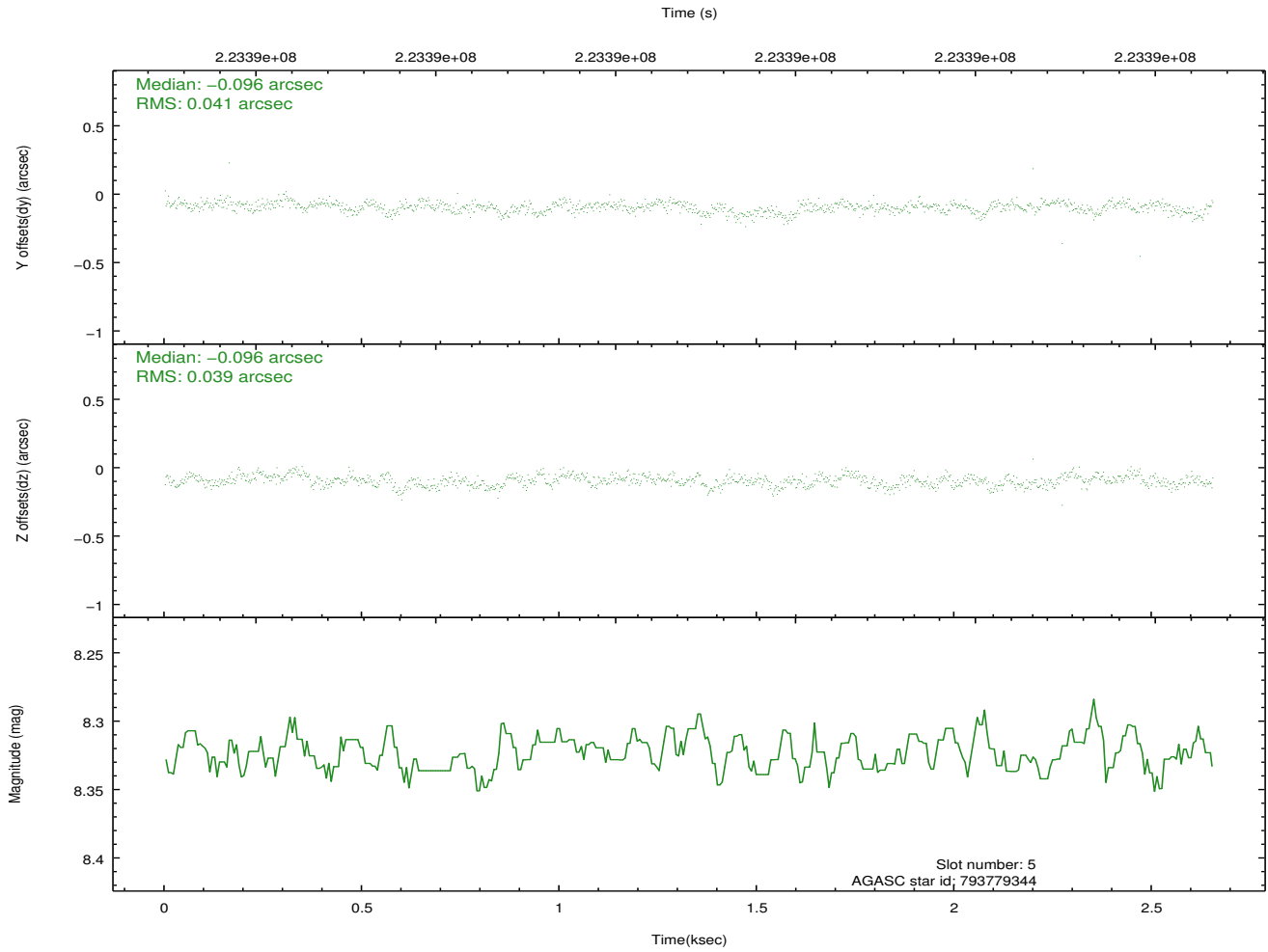
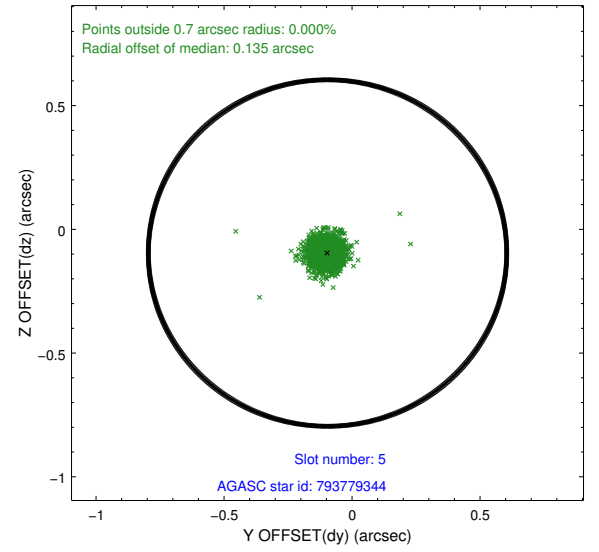
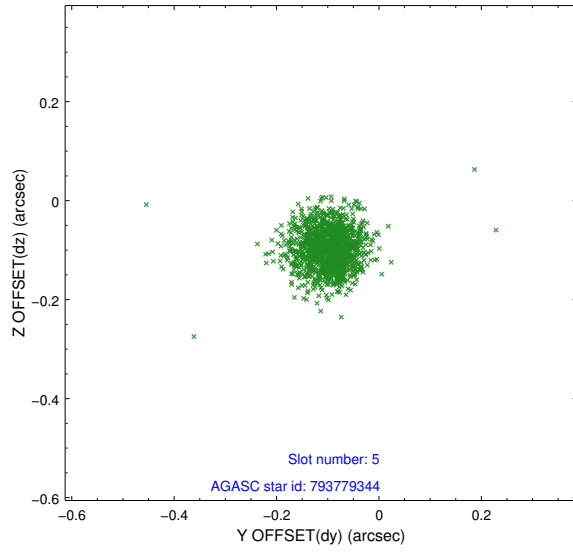
2.4.1 Slot 3



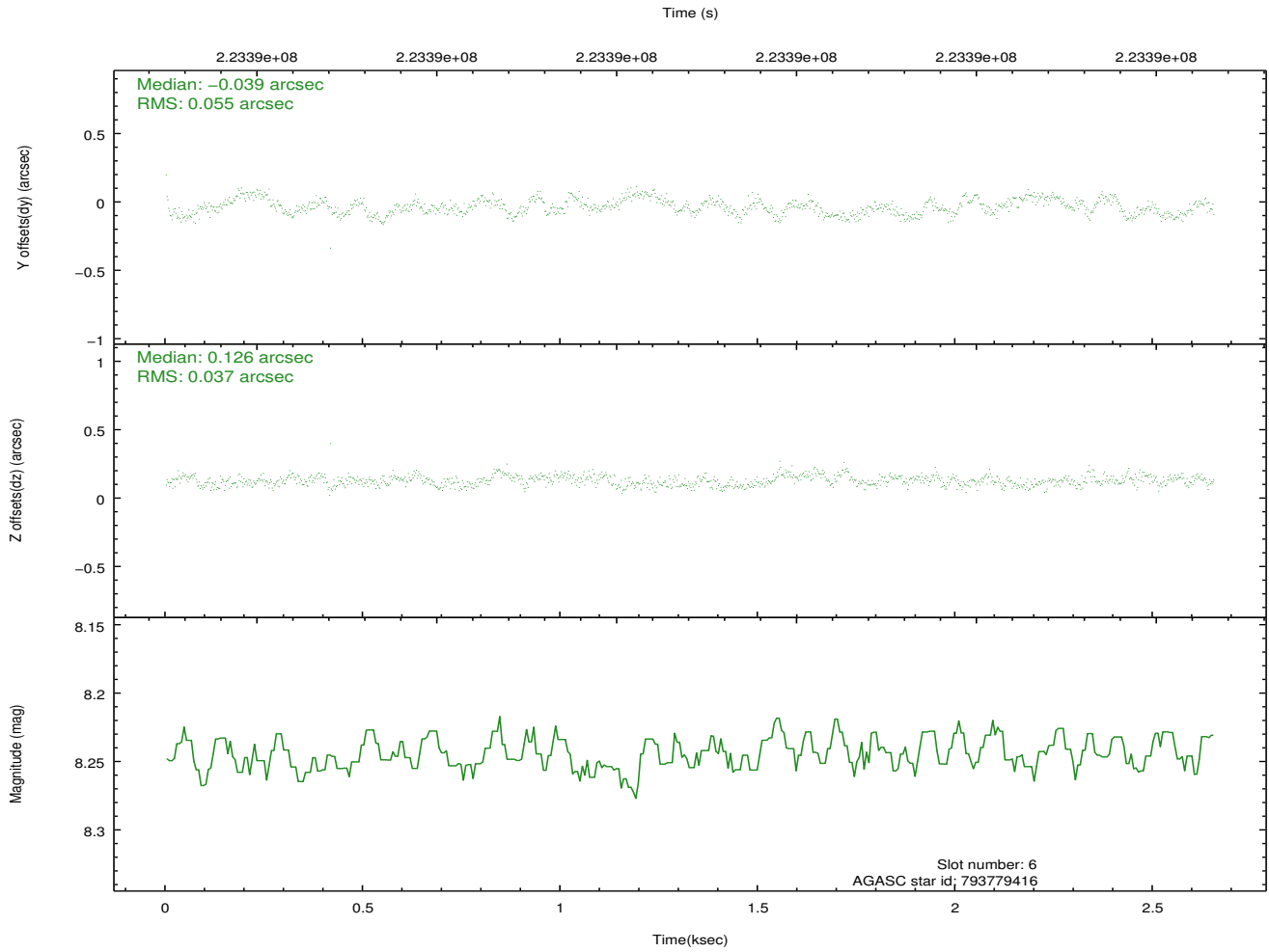
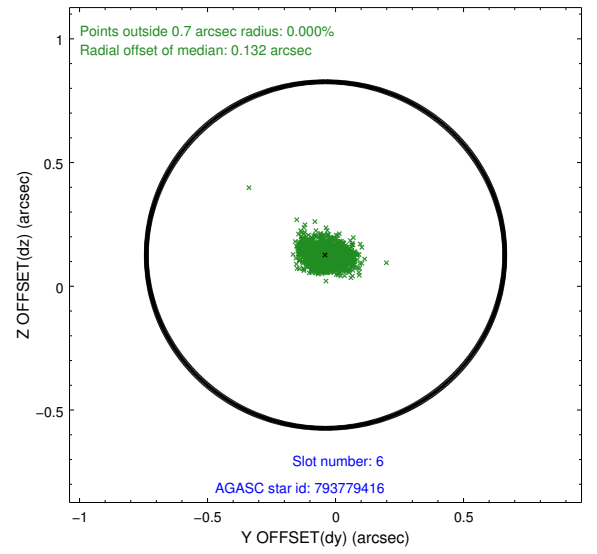
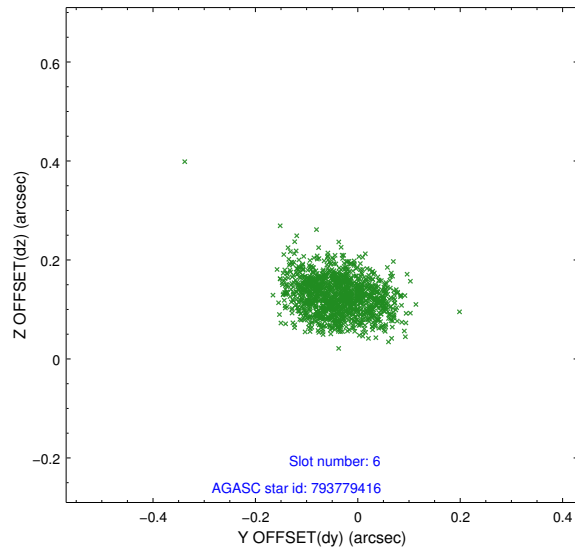
2.4.2 Slot 4



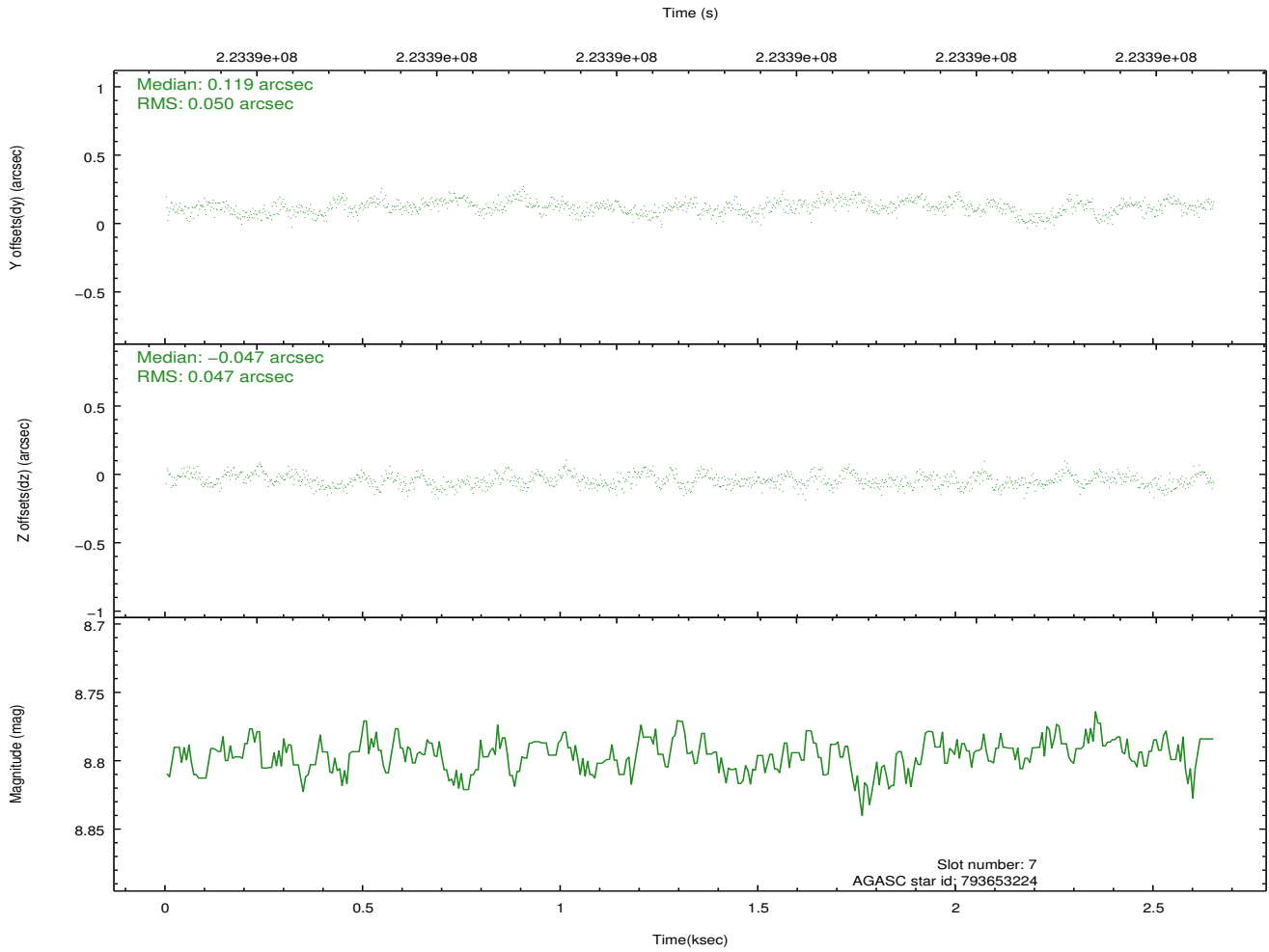
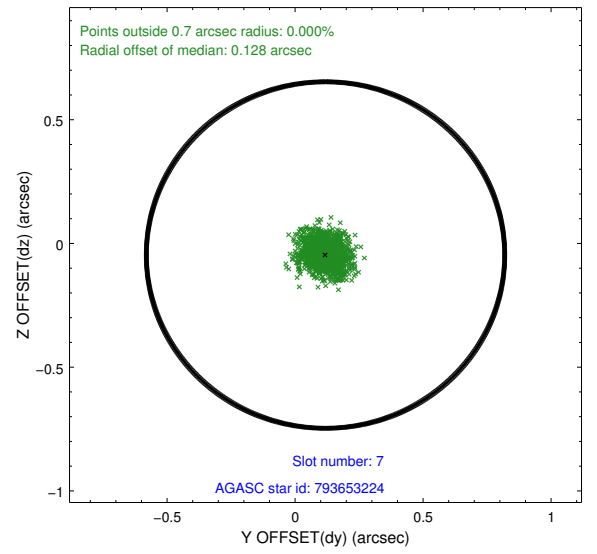
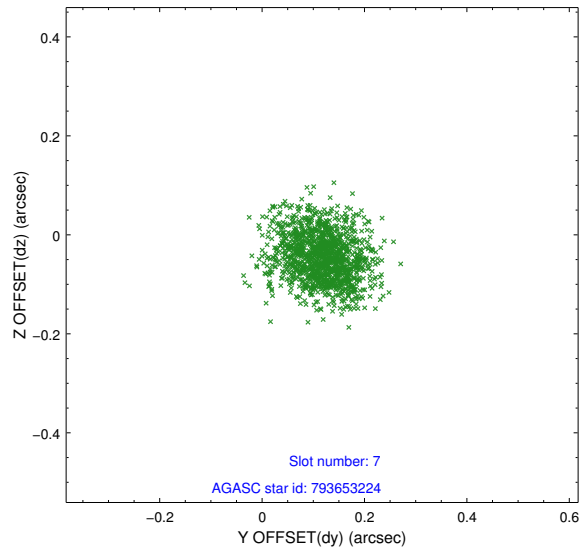
2.4.3 Slot 5



2.4.4 Slot 6

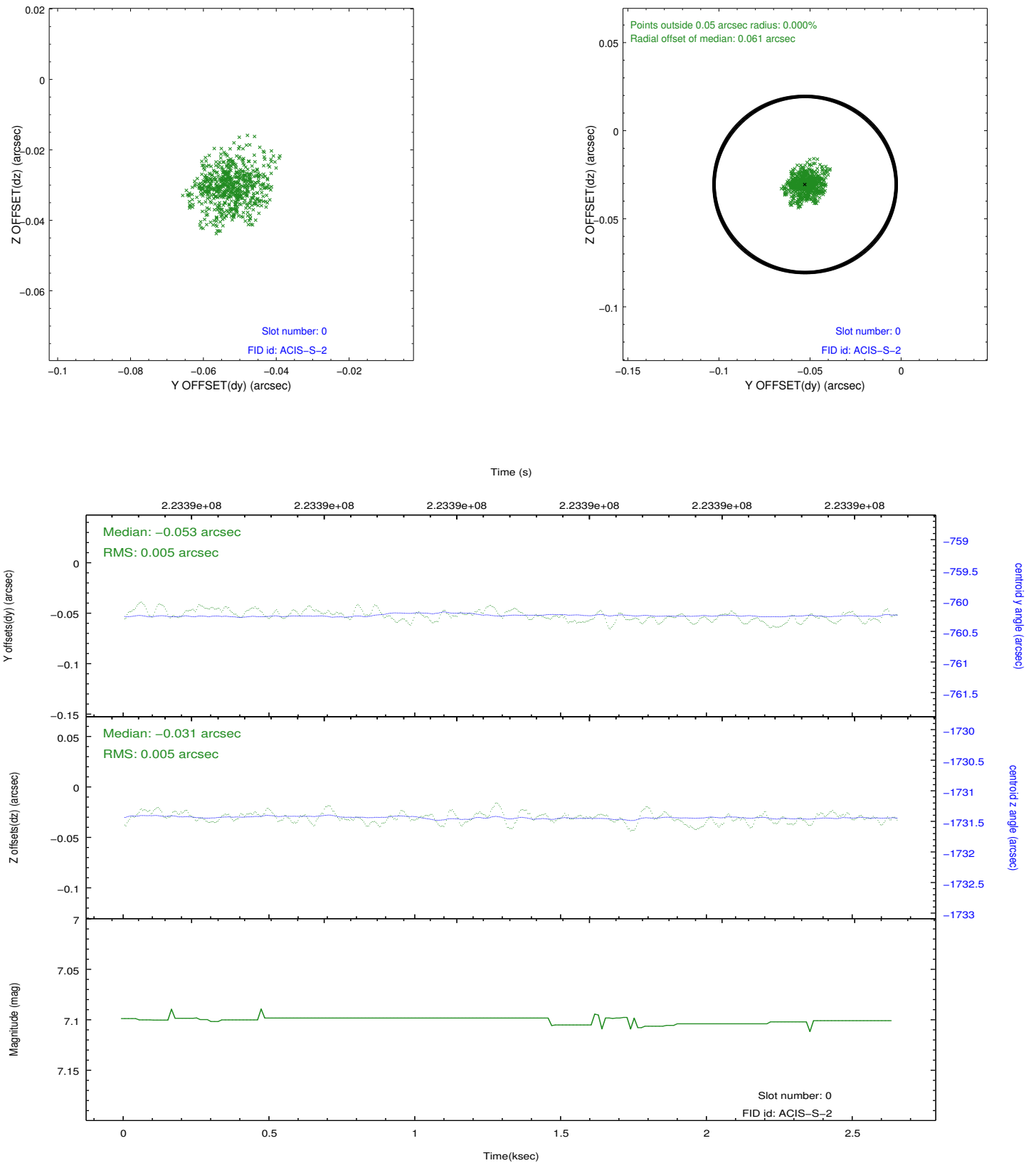


2.4.5 Slot 7

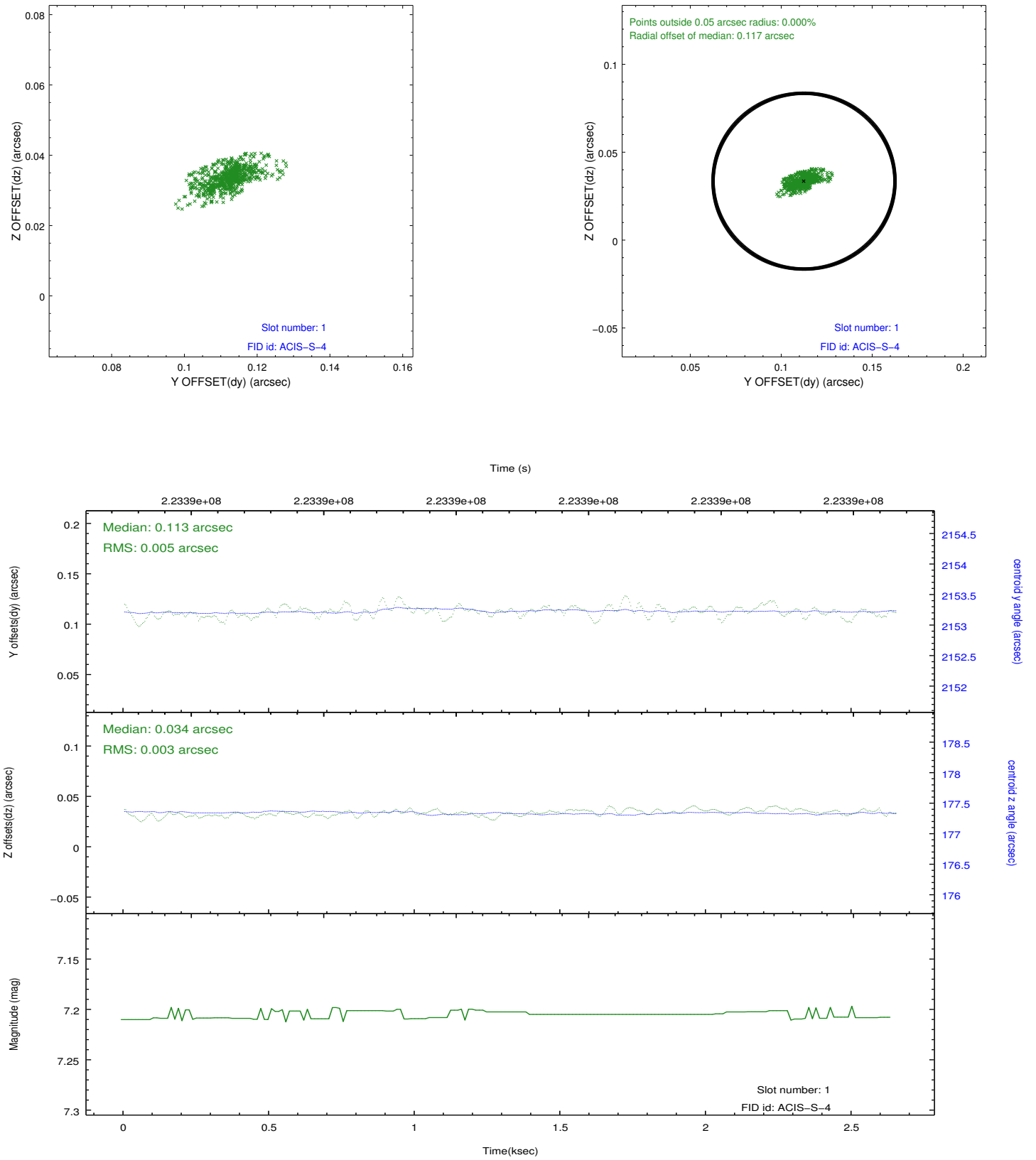


2.5 FID Slots

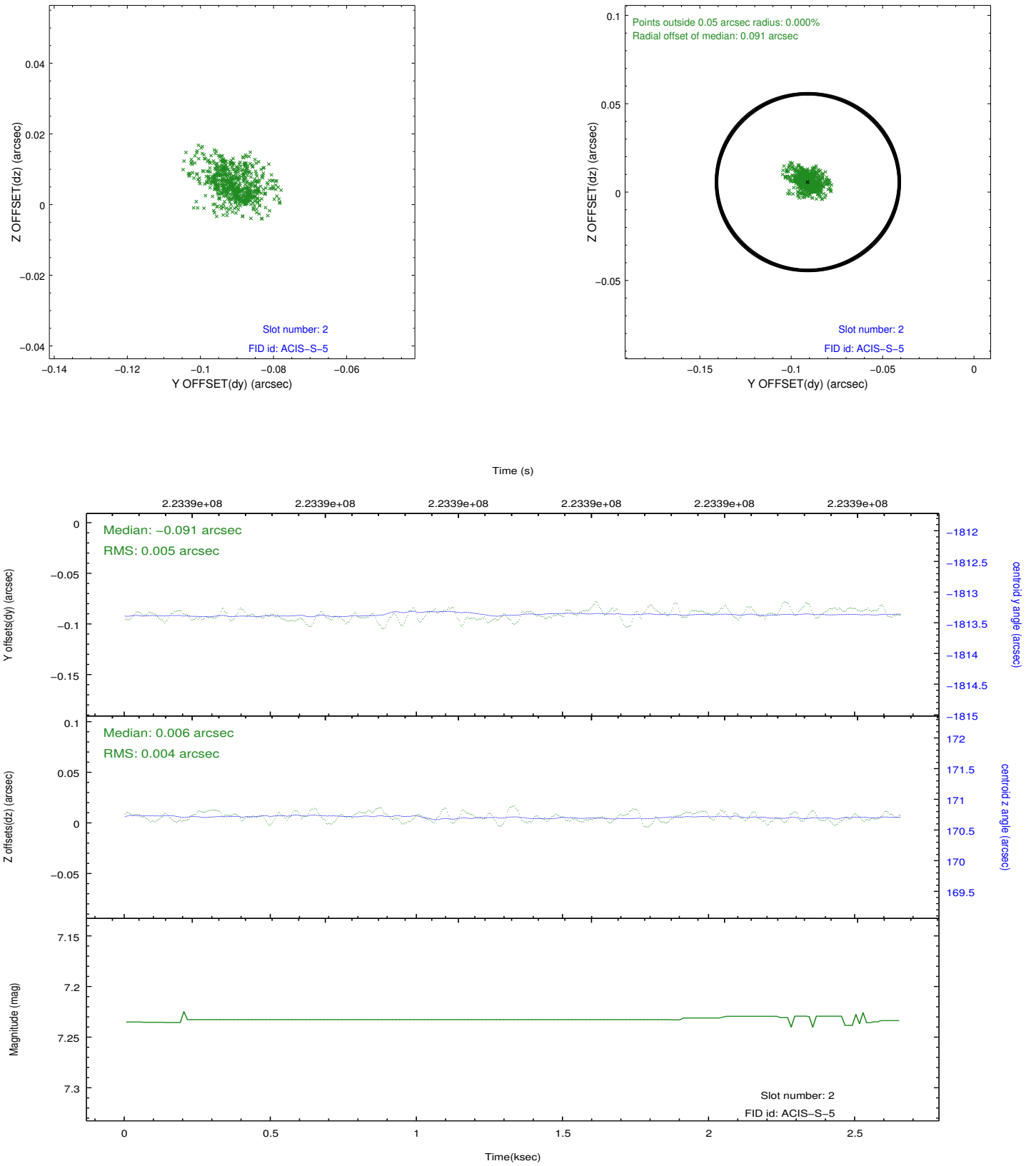
2.5.1 Slot 0



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)	2013.01.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.473599

A.2 Comments