

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 1636 - L2 Version 3
Chandra X-Ray Center

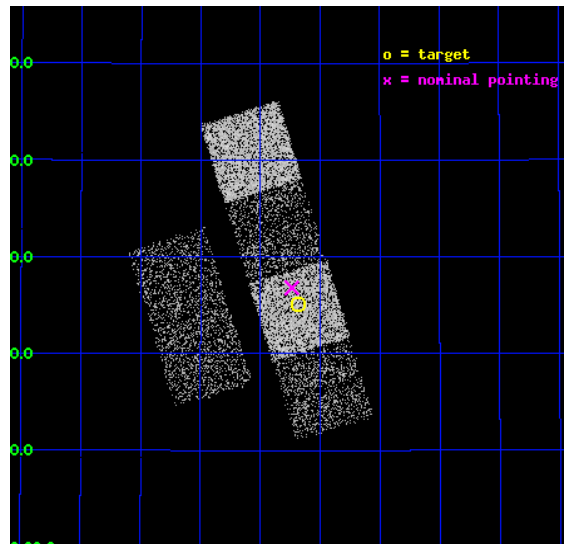
L2 Processing Date : Jan 14 2013

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1 Front

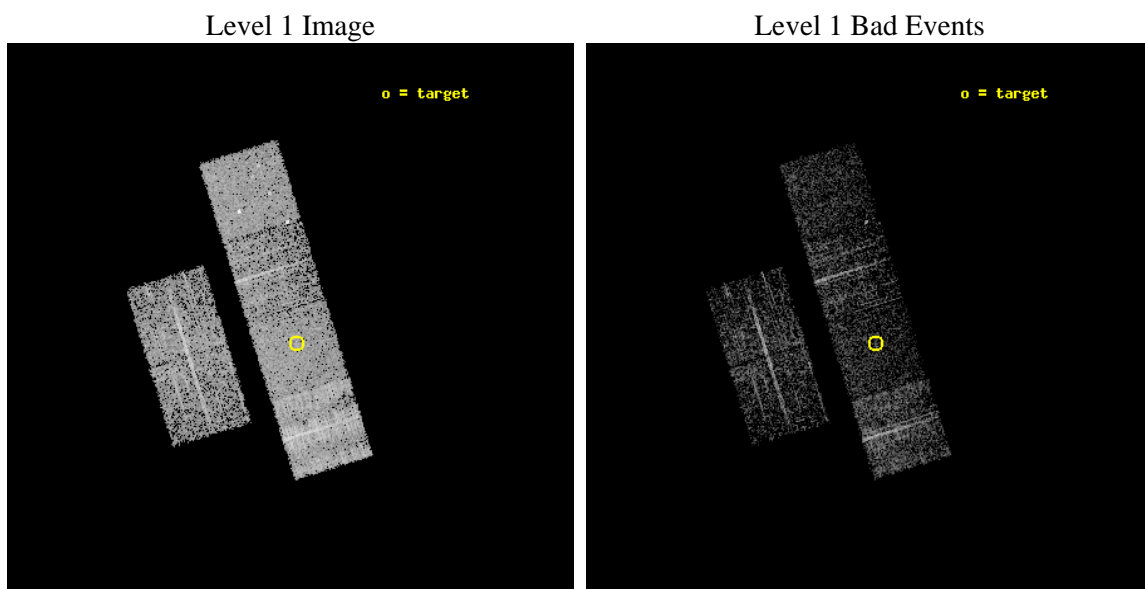
seq_num	700252	Sequence number
obs_id	1636	Observation id
title	THE X-RAY PROPERTIES OF LOW-LUMINOSITY ACTIVE GALACTIC NUCLEI IN NEARBY GALAXIES	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	NGC 2683	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	133.171667	Observer's specified target RA [deg]
dec_targ	33.419278	Observer's specified target Dec [deg]
ra_nom	133.18410400749	Nominal RA [deg]
dec_nom	33.446717891661	Nominal Dec [deg]
roll_nom	72.911369850971	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1756.8000016212	Sum of GTIs [s]
livetime	1734.5543421828	Livetime [s]
ontime2	1756.8000016212	Sum of GTIs [s]
ontime3	1756.8000016212	Sum of GTIs [s]
ontime5	1756.8000016212	Sum of GTIs [s]
ontime6	1756.8000016212	Sum of GTIs [s]
ontime7	1756.8000016212	Sum of GTIs [s]
ontime8	1753.5592009276	Sum of GTIs [s]
l2events	17950	Number of level 2 events



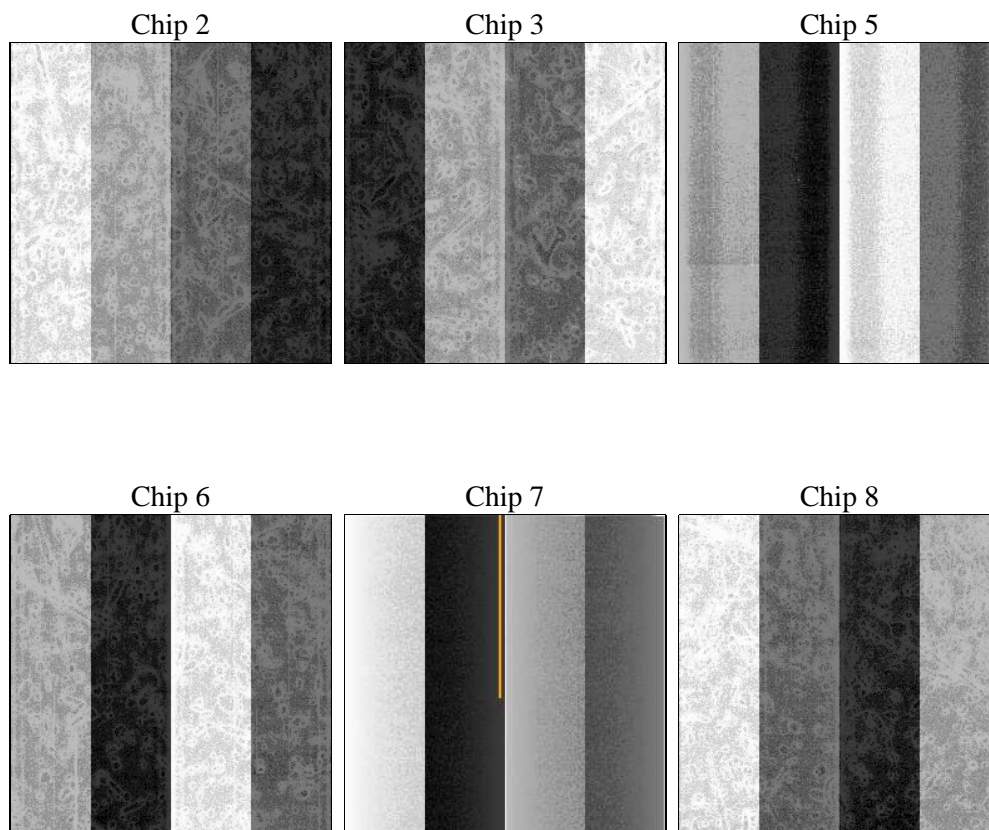
2 OBI

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	8.5.1.1	Processing system revision	ontime	1756.8000016212	Sum of GTIs [s]
caldsver	4.5.5	 	ontime2	1756.8000016212	Sum of GTIs [s]
date	2013-01-15T00:54:10	Date and time of file creation	ontime3	1756.8000016212	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	1756.8000016212	Sum of GTIs [s]
			ontime6	1756.8000016212	Sum of GTIs [s]
			ontime7	1756.8000016212	Sum of GTIs [s]
			ontime8	1753.5592009276	Sum of GTIs [s]
			l1events	96726	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	13770	12486	16608	13222	14666	25974
rejected events	12142	11094	8602	11625	8344	16810
rejected %	88%	88%	51%	87%	56%	64%

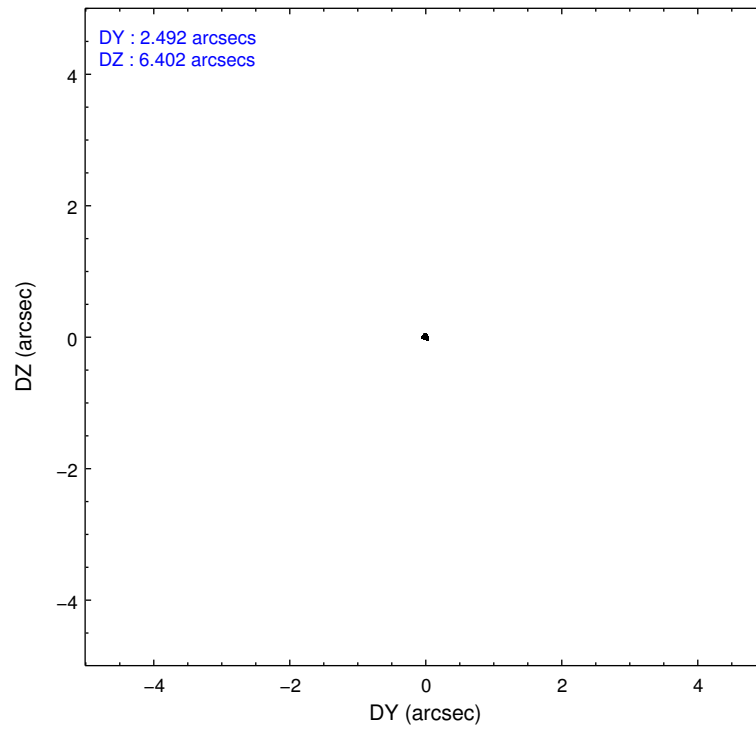
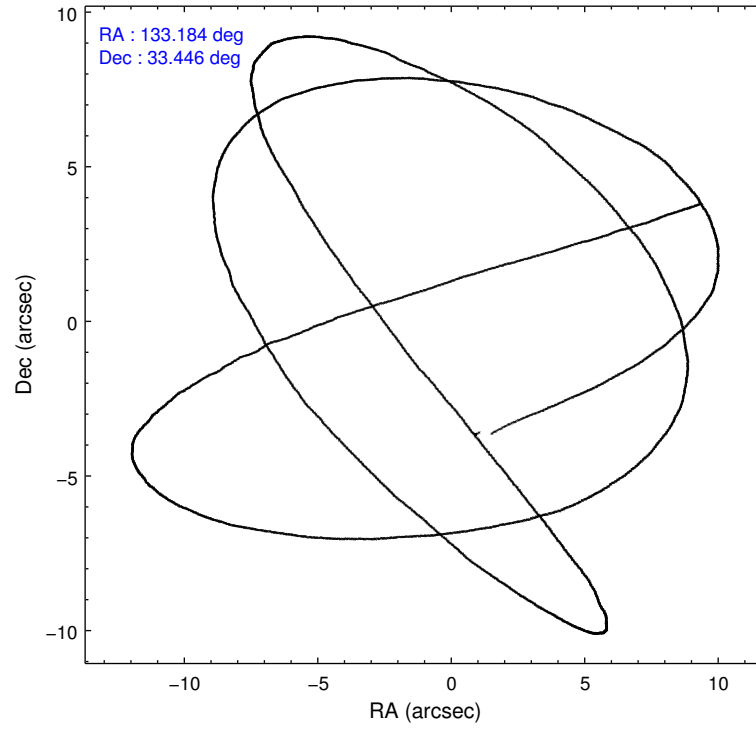
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	676	546	1385	661	648	2478
	4%	4%	8%	4%	4%	9%
grade 1 events	7	5	65	8	12	26
	0%	0%	0%	0%	0%	0%
grade 2 events	376	330	2119	388	1305	1473
	2%	2%	12%	2%	8%	5%
grade 3 events	122	104	363	124	582	1503
	0%	0%	2%	0%	3%	5%
grade 4 events	157	133	391	113	556	1303
	1%	1%	2%	0%	3%	5%
grade 5 events	380	409	1270	462	1379	655
	2%	3%	7%	3%	9%	2%
grade 6 events	301	283	3781	316	3254	2430
	2%	2%	22%	2%	22%	9%
grade 7 events	11751	10676	7234	11150	6930	16106
	85%	85%	43%	84%	47%	62%

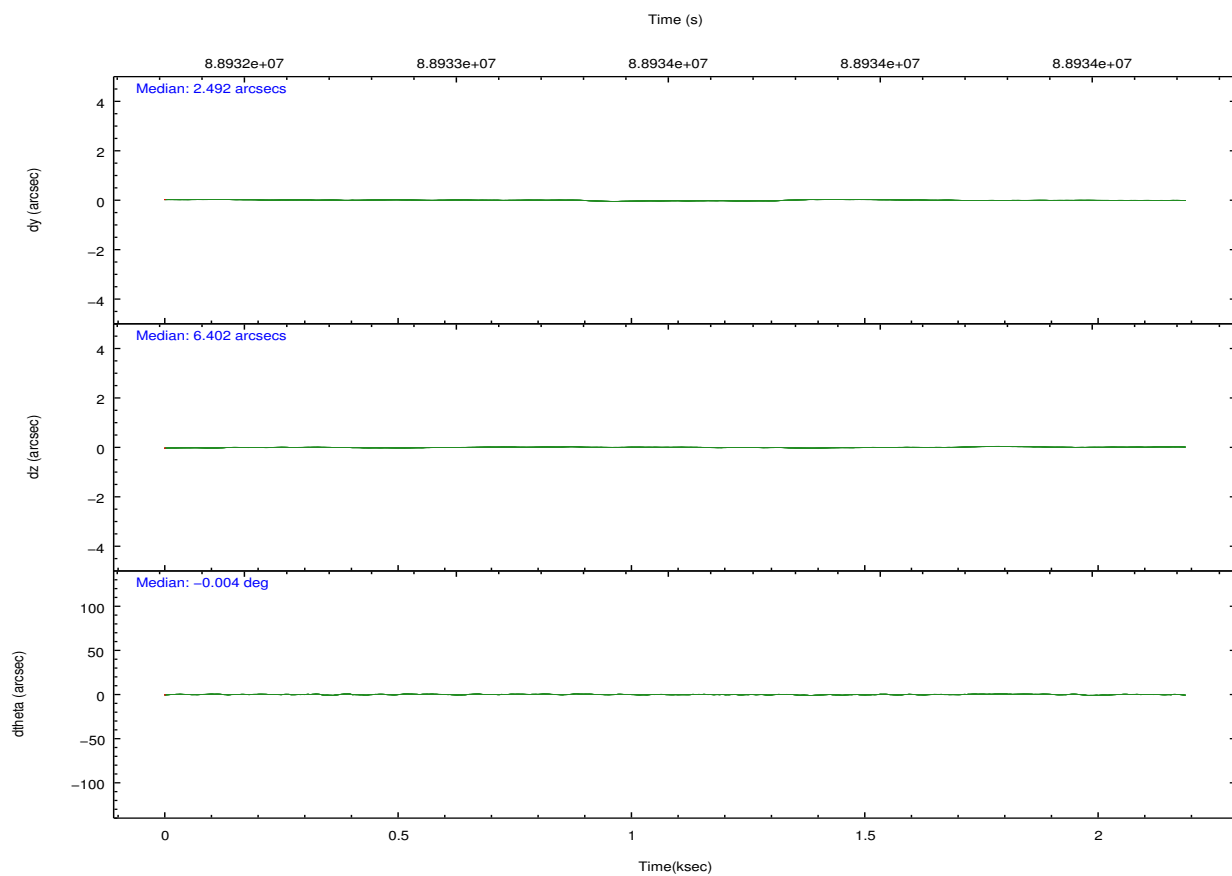
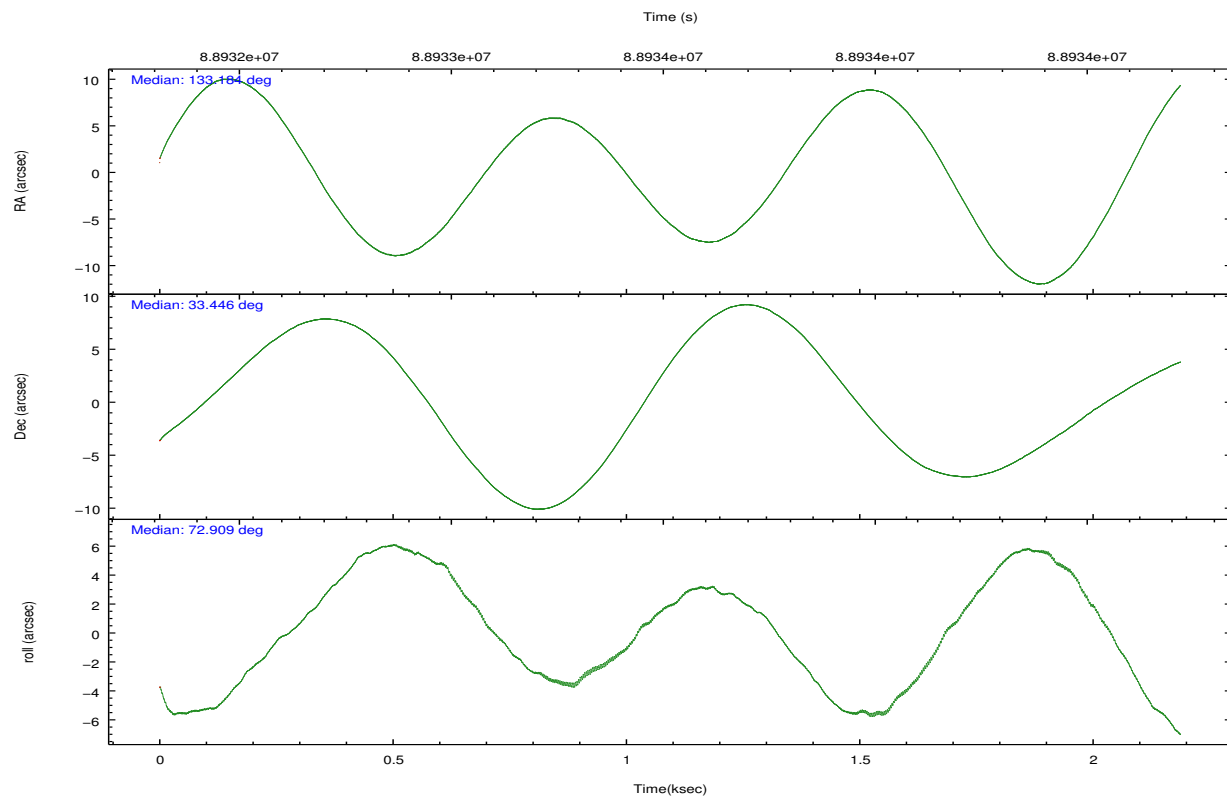
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	133.191605	133.1841040074926
[deg] Pointing Dec	33.420042	33.44671789166082
[deg] Pointing Roll	72.750610	72.91136985097086
[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)	88932611.184000	88932174.40666801
Observation start date	2000-10-26T07:29:07	2000-10-26T07:22:54
[s] Observation end time (MET)	88934611.184000	88935051.069277
Observation end date	2000-10-26T08:02:27	2000-10-26T08:10:51
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



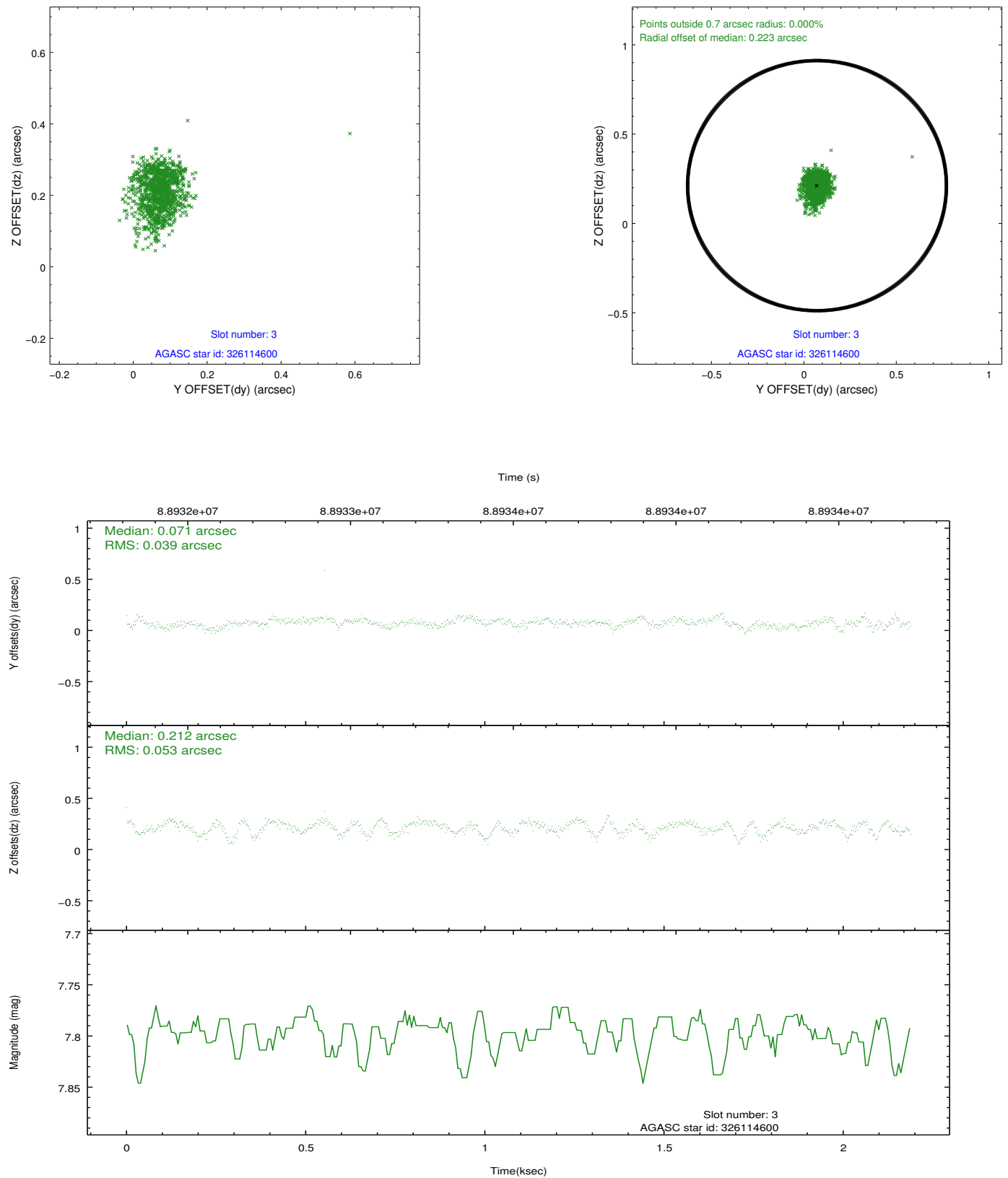


Slot Statistics

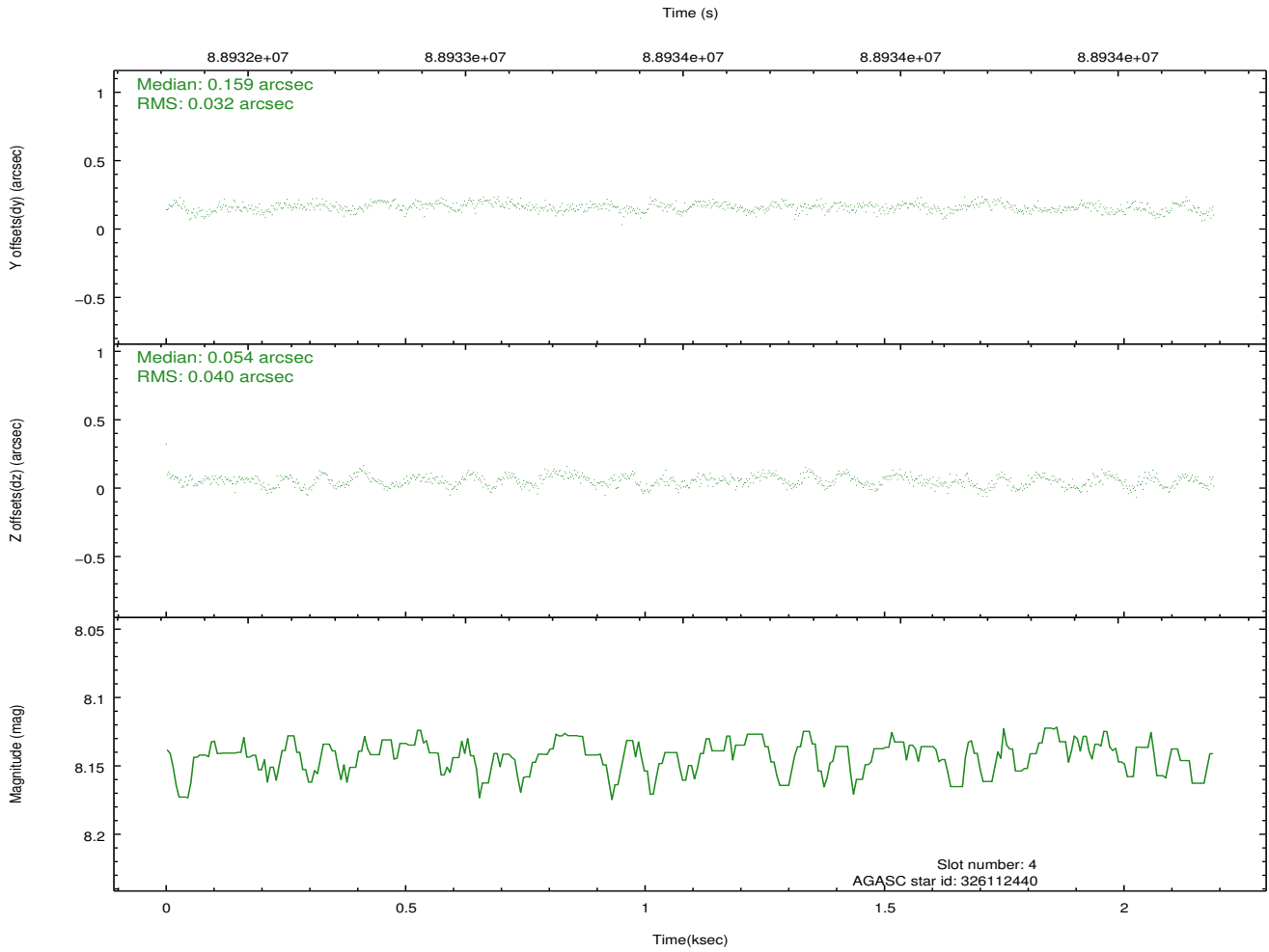
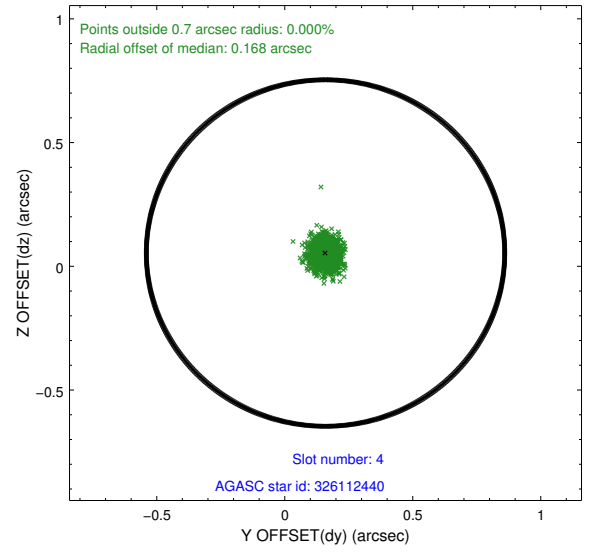
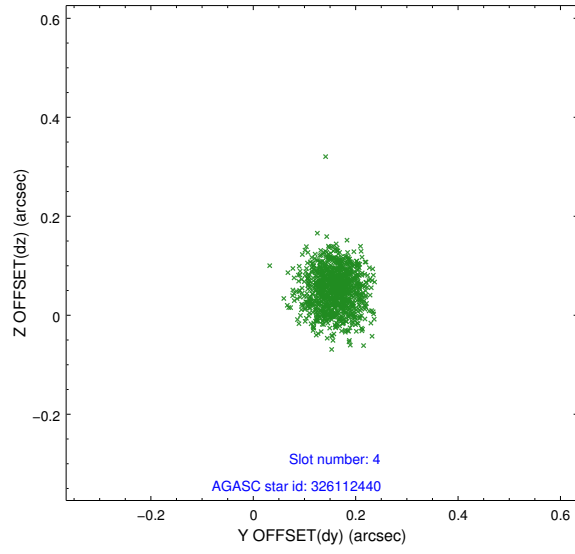
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	534	-0.023	0.018	0.007	0.013	0.000000	0.000000	-755.13	-1727.54
1	FID	ACIS-S-4	7.20	534	-0.037	0.006	0.008	0.016	0.000000	0.000000	2156.78	177.88
2	FID	ACIS-S-5	7.23	533	0.029	-0.015	0.007	0.012	0.000000	0.000000	-1804.09	174.89
3	GUIDE	326114600	7.80	1068	0.071	0.212	0.069	0.109	133.744955	32.743837	-1822.76	-2320.72
4	GUIDE	326112440	8.14	1068	0.159	0.054	0.055	0.086	133.461686	33.056810	-1006.78	-1167.88
5	GUIDE	326119712	8.95	1068	0.146	-0.046	0.068	0.103	132.831789	33.224884	-990.39	825.82
6	GUIDE	326114272	8.86	1067	-0.231	-0.067	0.073	0.113	132.911406	34.189246	2398.01	1619.16
7	GUIDE	326115136	8.90	1067	-0.143	-0.146	0.068	0.108	132.826117	34.154560	2207.31	1826.02

2.4 Star Slots

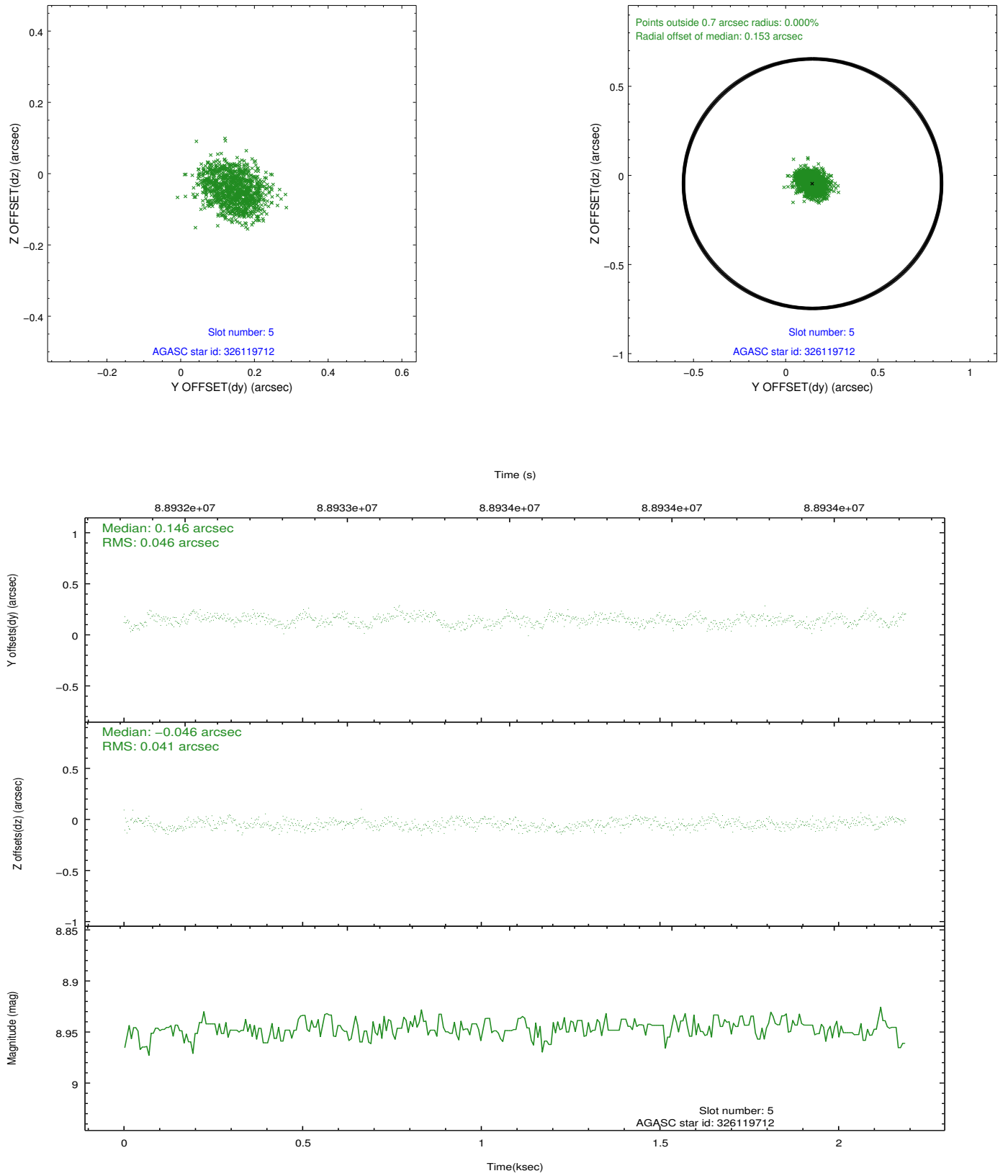
2.4.1 Slot 3



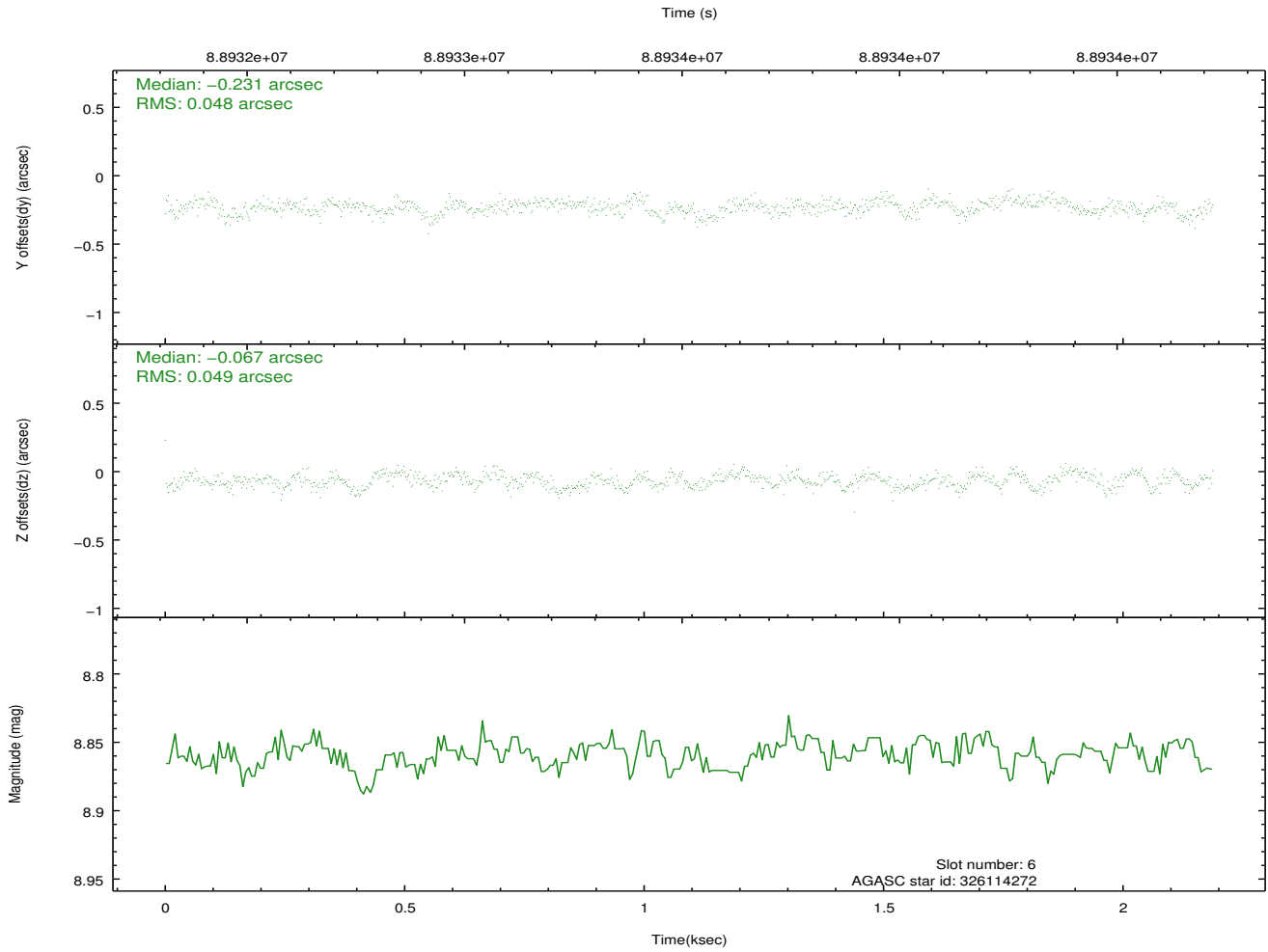
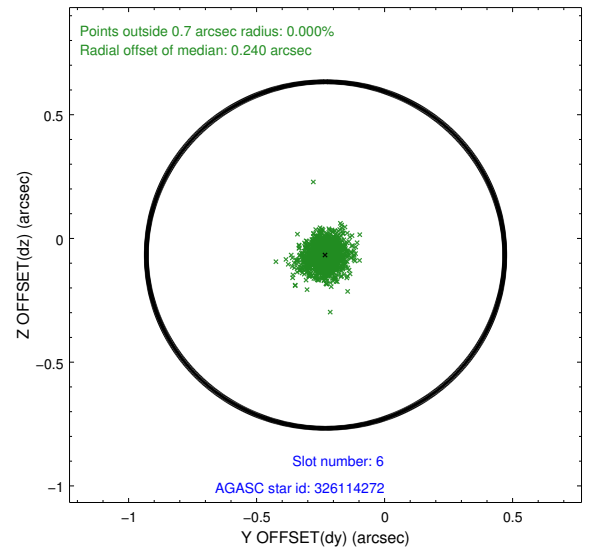
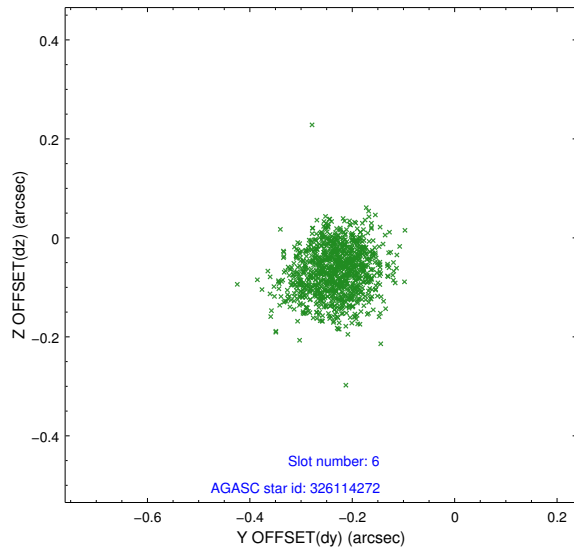
2.4.2 Slot 4



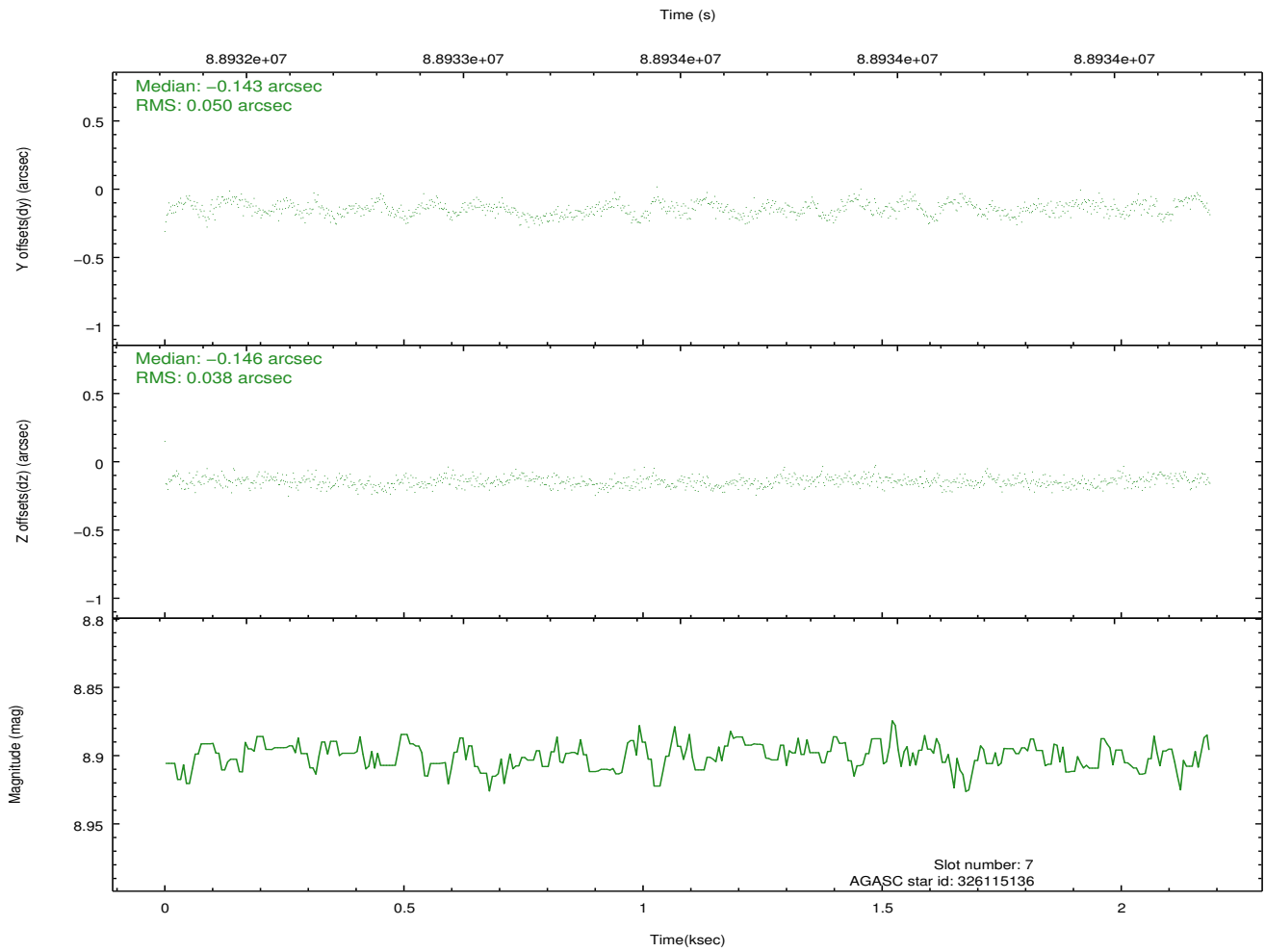
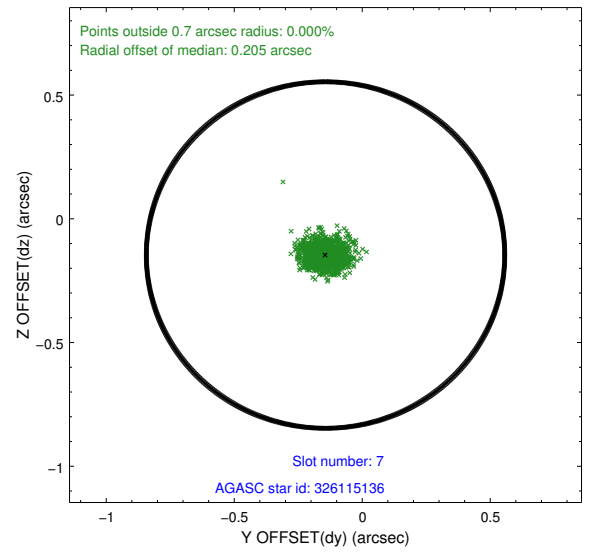
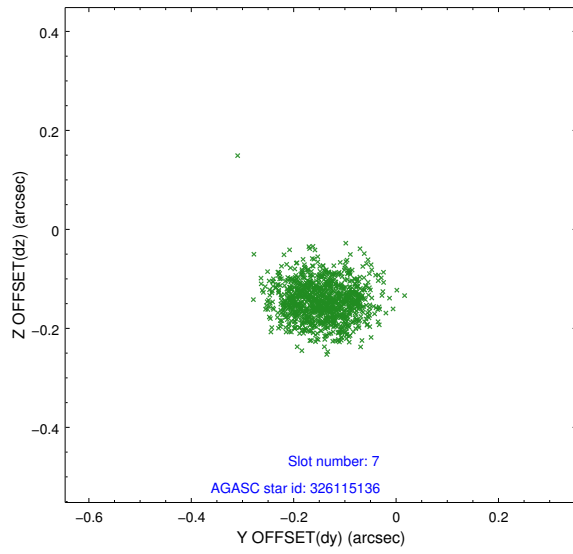
2.4.3 Slot 5



2.4.4 Slot 6

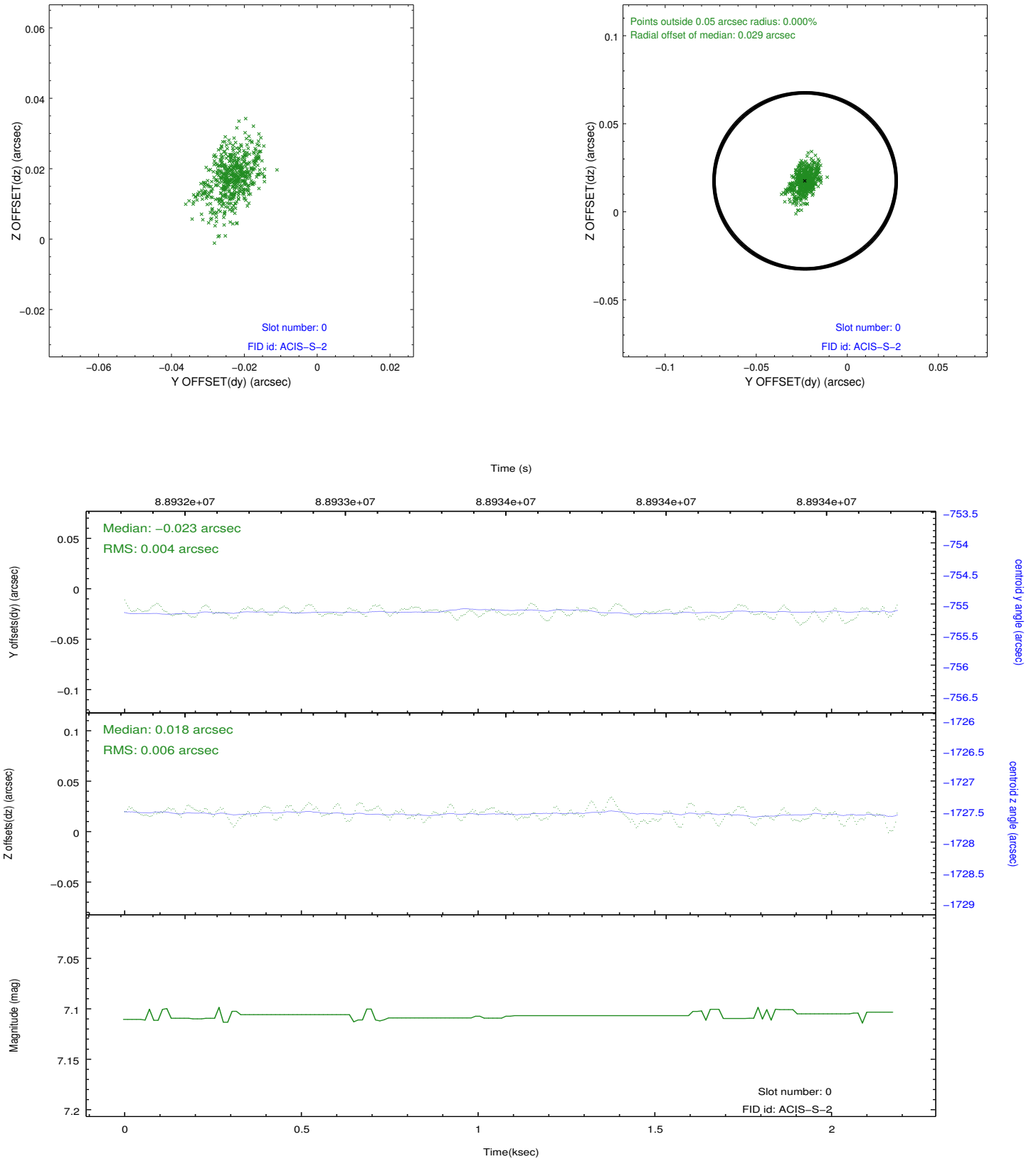


2.4.5 Slot 7

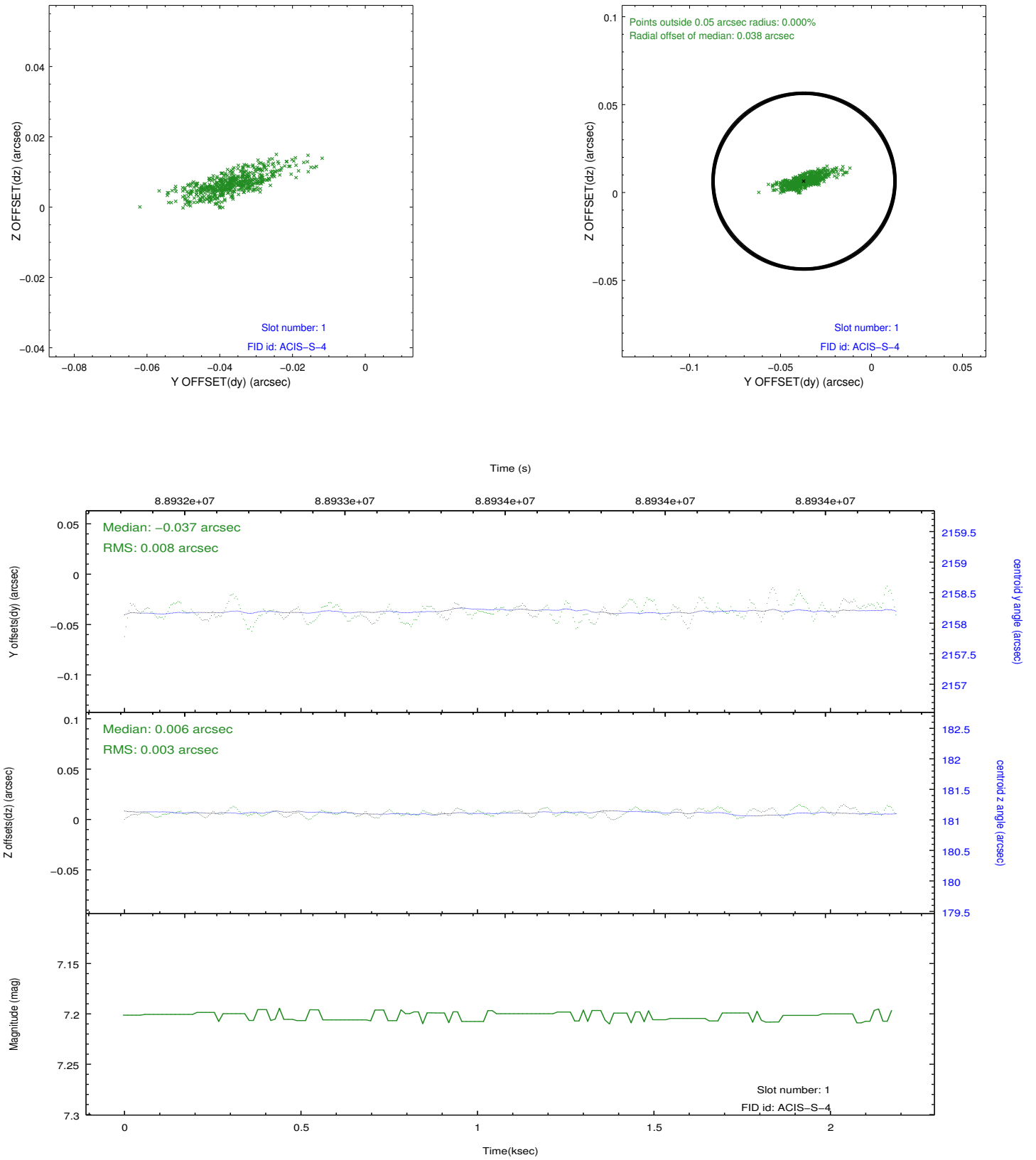


2.5 FID Slots

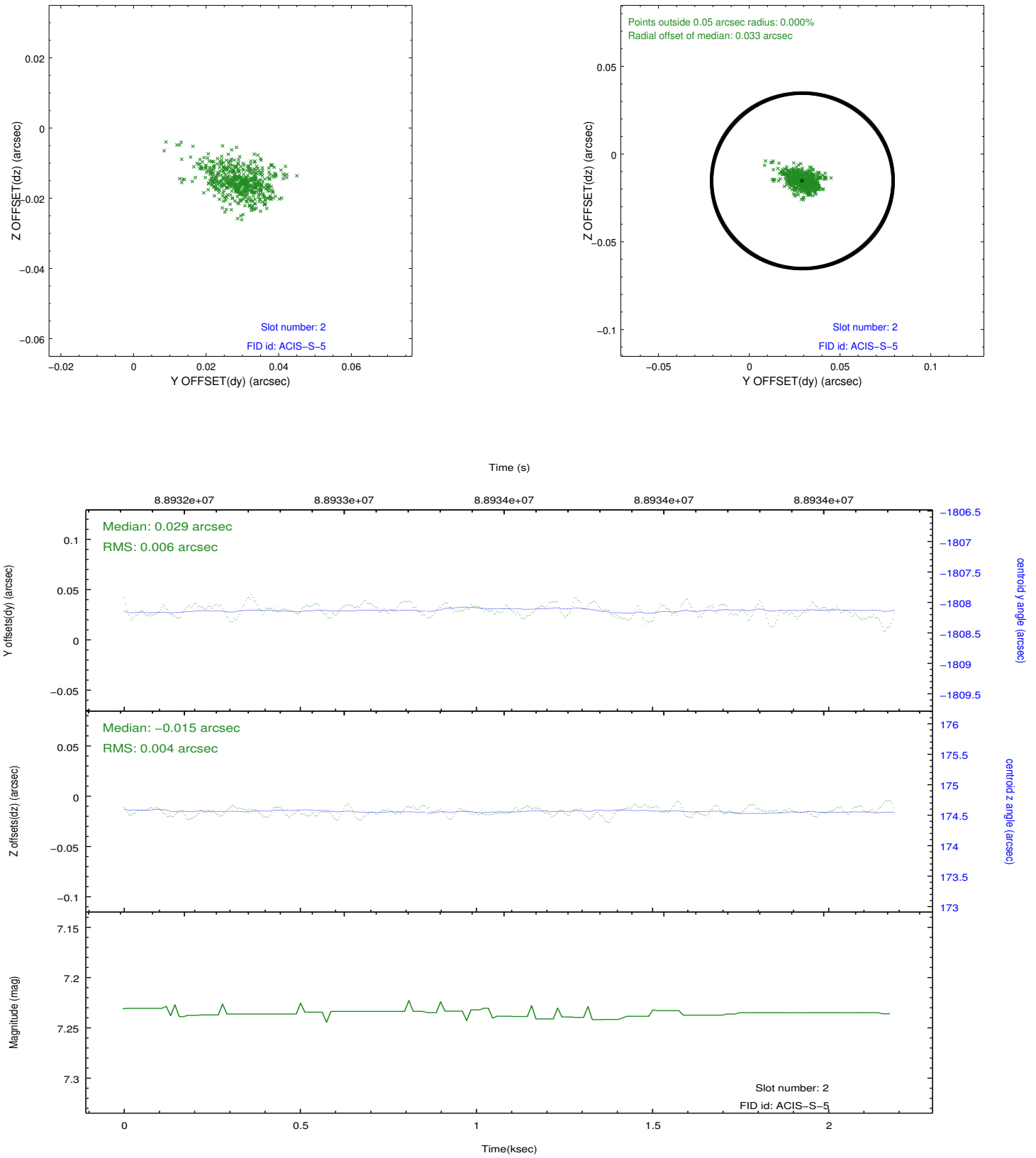
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2013.01.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.76

A.2 Comments