

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13000 - L2 Version 2
Chandra X-Ray Center

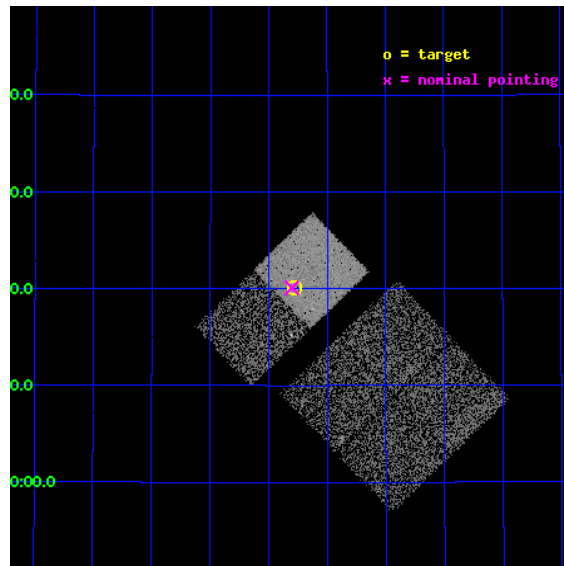
L2 Processing Date : Jul 5 2012

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1 Front

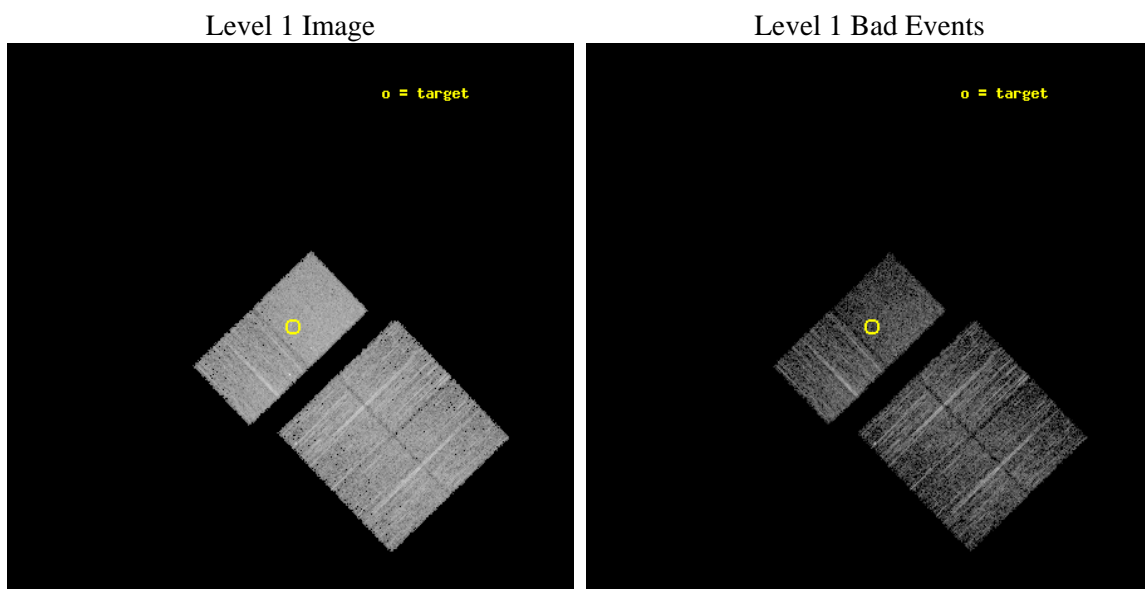
seq_num	600964	Sequence number
obs_id	13000	Observation id
title	The brightest ultraluminous X-ray sources across the sky	Proposal
observer	Dr Jifeng Liu	Principal investigator
object	J163316.7+352010	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	248.319583	Observer's specified target RA [deg]
dec_targ	35.336111	Observer's specified target Dec [deg]
ra_nom	248.32547682583	Nominal RA [deg]
dec_nom	35.334988771927	Nominal Dec [deg]
roll_nom	316.06306900429	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4963.1999815702	Sum of GTIs [s]
livetime	4900.3529549234	Livetime [s]
ontime0	4963.1999815702	Sum of GTIs [s]
ontime1	4963.1999815702	Sum of GTIs [s]
ontime2	4963.1999815702	Sum of GTIs [s]
ontime3	4963.1999815702	Sum of GTIs [s]
ontime6	4963.1999815702	Sum of GTIs [s]
ontime7	4963.1999815702	Sum of GTIs [s]
l2events	35483	Number of level 2 events



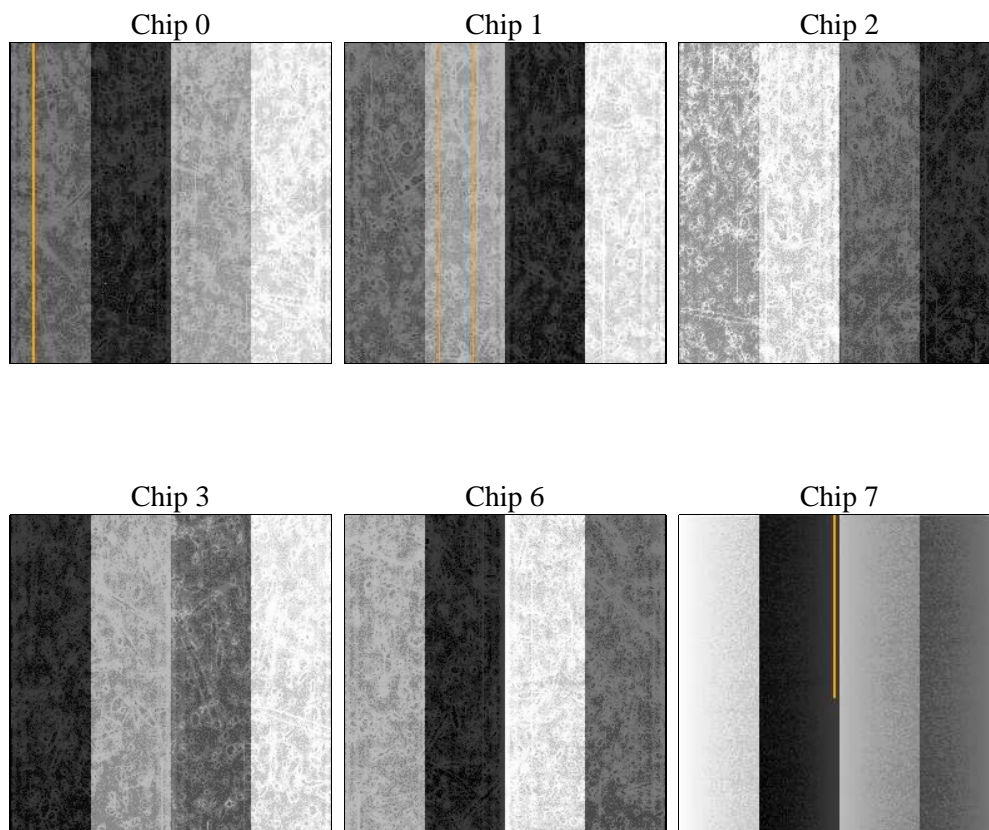
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4963.1999815702	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	4963.1999815702	Sum of GTIs [s]
date	2012-07-05T20:23:38	Date and time of file creation	ontime1	4963.1999815702	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	4963.1999815702	Sum of GTIs [s]
			ontime3	4963.1999815702	Sum of GTIs [s]
			ontime6	4963.1999815702	Sum of GTIs [s]
			ontime7	4963.1999815702	Sum of GTIs [s]
			l1events	209946	Number of level 1 events

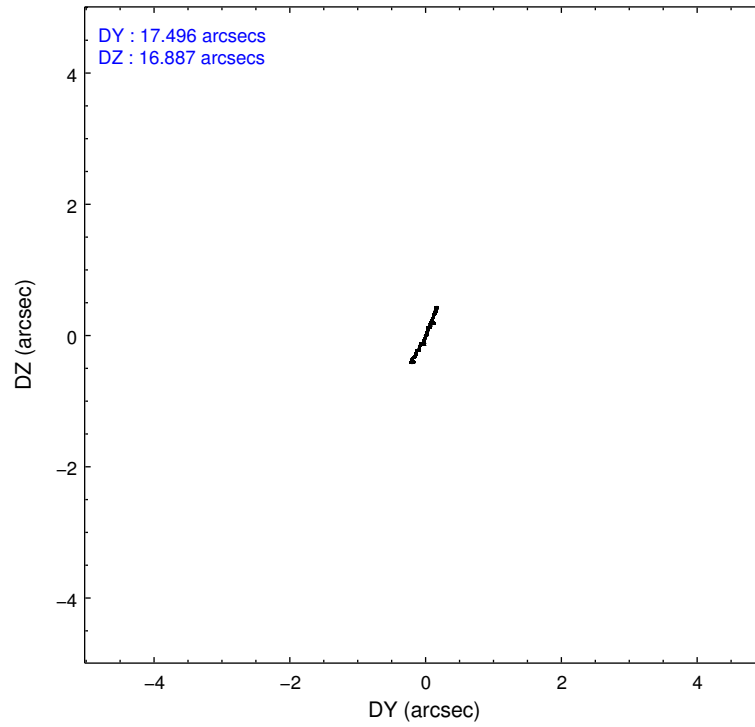
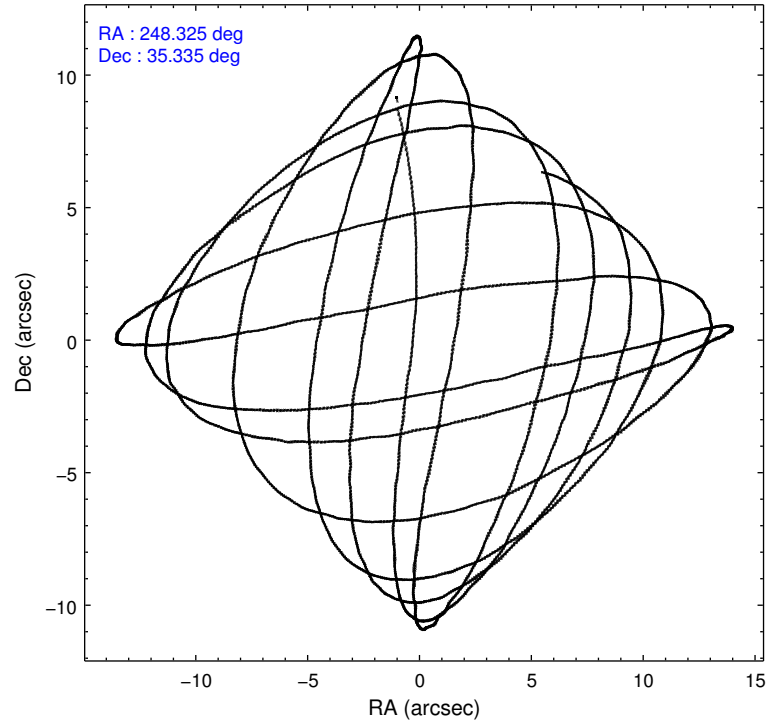
2.1.4 Events

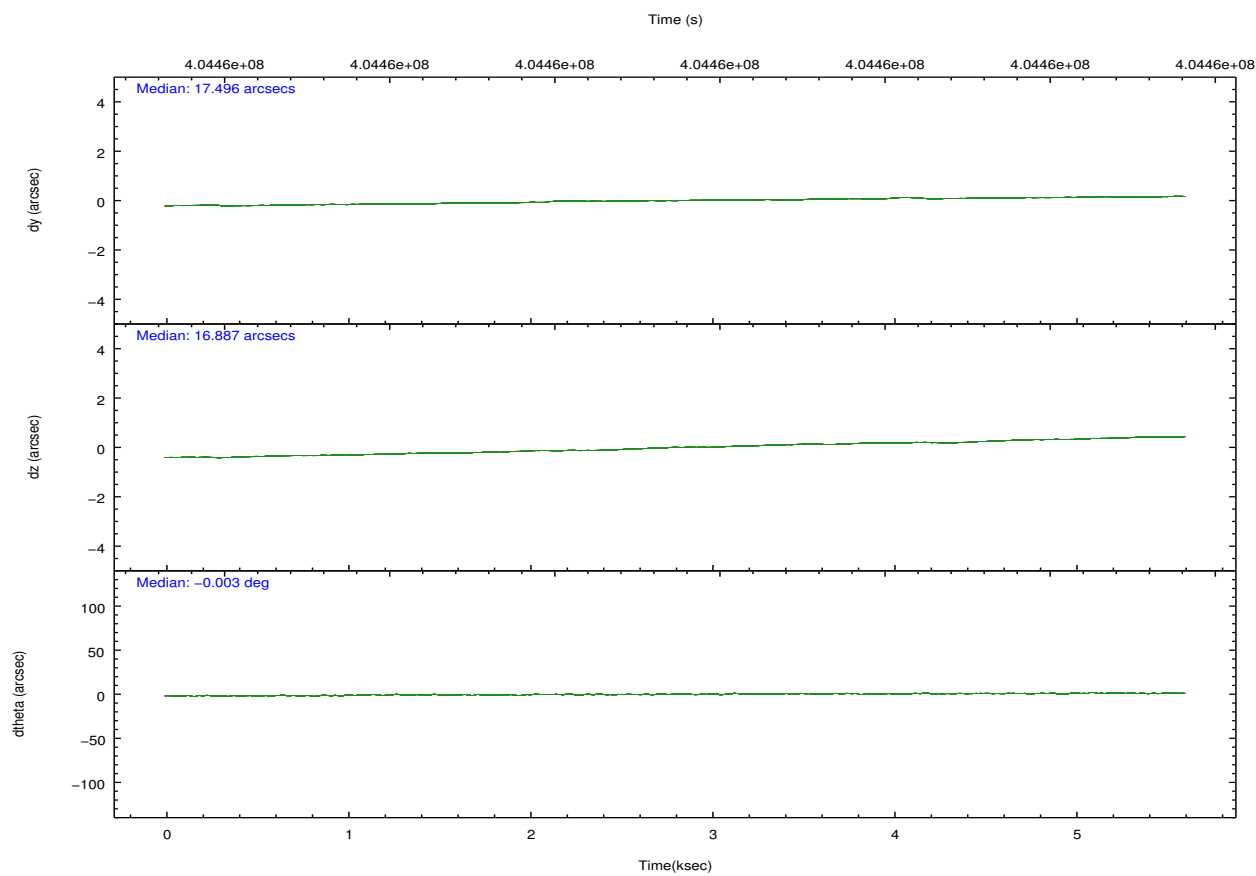
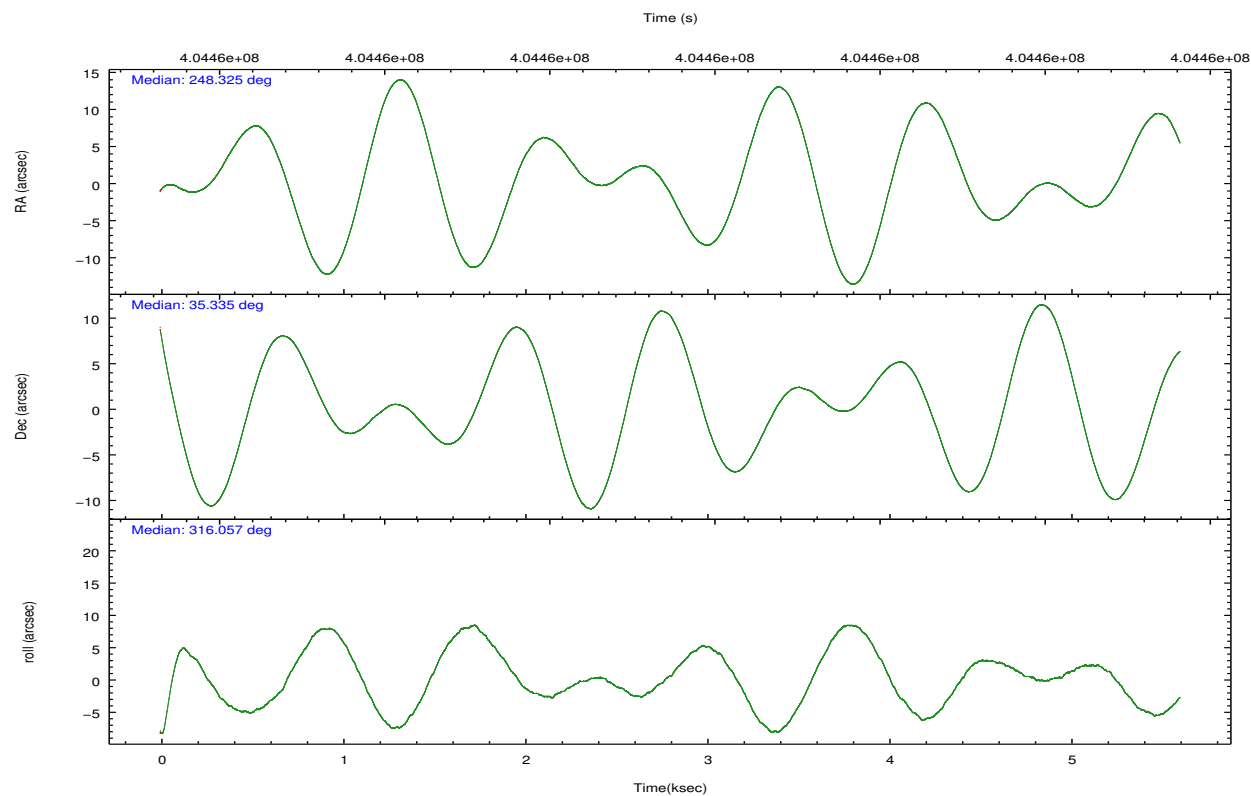
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	31990	29700	35457	34353	35452	42994	grade 0 events	1296	1466	1378	1258	1528	1819
rejected events	28141	25555	31775	30830	31204	23363		4%	4%	3%	3%	4%	4%
rejected %	87%	86%	89%	89%	88%	54%	grade 1 events	25	19	27	19	19	47
								0%	0%	0%	0%	0%	0%
							grade 2 events	971	1041	875	794	993	4000
								3%	3%	2%	2%	2%	9%
							grade 3 events	429	407	367	380	440	1755
								1%	1%	1%	1%	1%	4%
							grade 4 events	385	392	365	409	424	1732
								1%	1%	1%	1%	1%	4%
							grade 5 events	1558	1512	1313	1614	1572	4600
								4%	5%	3%	4%	4%	10%
							grade 6 events	774	842	701	687	868	10351
								2%	2%	1%	1%	2%	24%
							grade 7 events	26552	24021	30431	29192	29608	18690
								83%	80%	85%	84%	83%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	248.292748	248.3254768258267	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.341305	35.33498877192709	Alternating exposures requested	N	N
[deg] Pointing Roll	315.925403	316.0630690042896	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	404457521.184000	404456353.37509			
Observation start date	2010-10-26T05:17:35	2010-10-26T04:59:13			
[s] Observation end time (MET)	404462521.184000	404463936.32548			
Observation end date	2010-10-26T06:40:55	2010-10-26T07:05:36			
Read mode	TIMED	TIMED			

2.3 Aspect



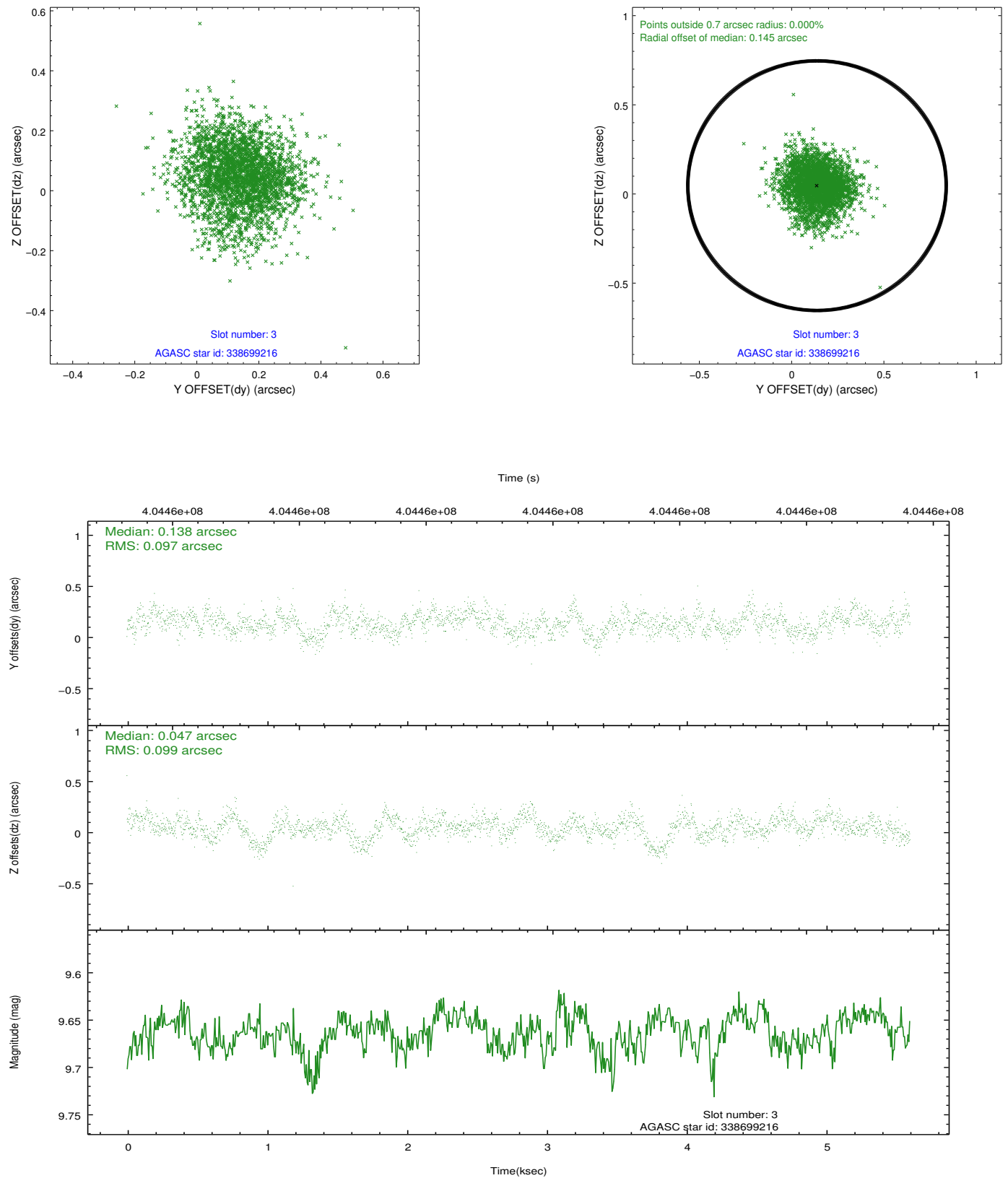


Slot Statistics

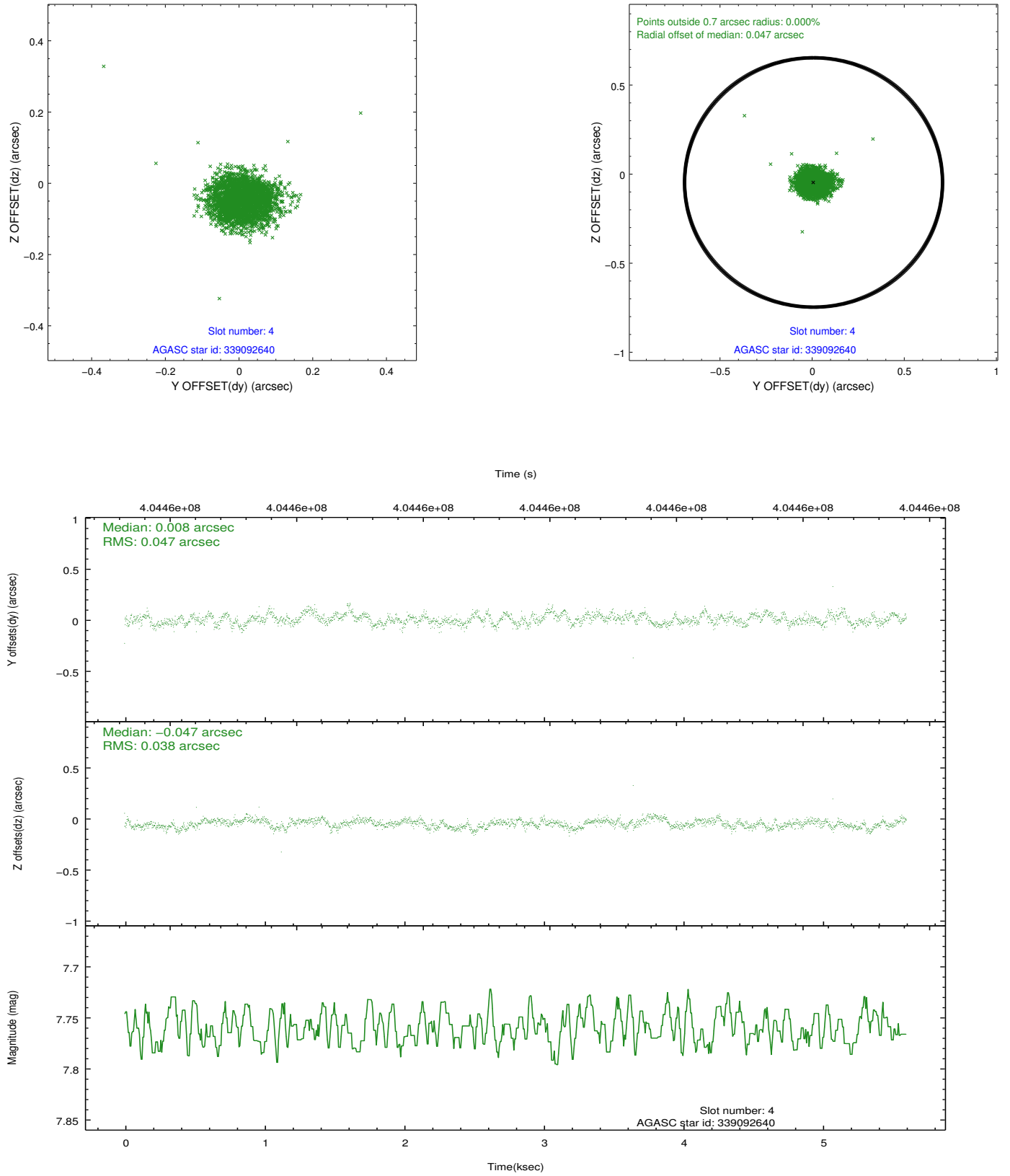
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	1367	-0.066	-0.016	0.011	0.017	0.000000	0.000000	-770.60	-1738.26
1	FID	ACIS-S-4	6.99	1367	0.178	0.036	0.005	0.011	0.000000	0.000000	2142.44	169.13
2	FID	ACIS-S-5	7.03	1367	-0.143	-0.011	0.011	0.018	0.000000	0.000000	-1822.14	164.02
3	GUIDE	338699216	9.66	2724	0.138	0.047	0.148	0.235	248.386703	34.565379	2143.41	-1812.67
4	GUIDE	339092640	7.76	2733	0.008	-0.047	0.063	0.099	248.534188	35.499970	110.88	902.45
5	GUIDE	339095640	8.21	2731	0.110	0.128	0.066	0.105	248.218833	35.075365	510.82	-838.46
6	GUIDE	339095912	8.61	2734	-0.009	-0.081	0.067	0.112	248.805544	35.550242	553.15	1587.72
7	GUIDE	339096328	7.30	2733	-0.251	-0.042	0.066	0.105	247.437885	35.201901	-1464.98	-2101.52

2.4 Star Slots

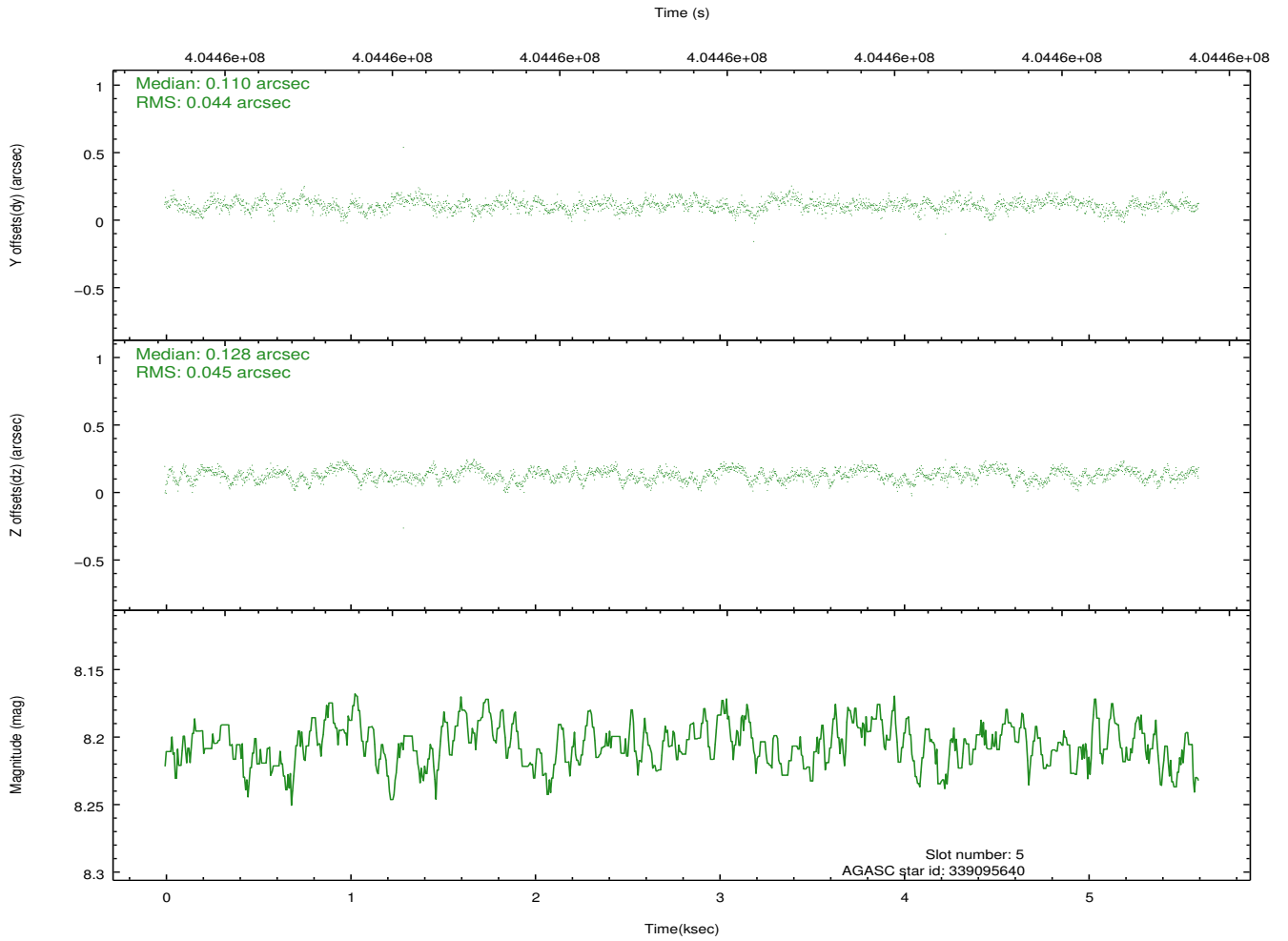
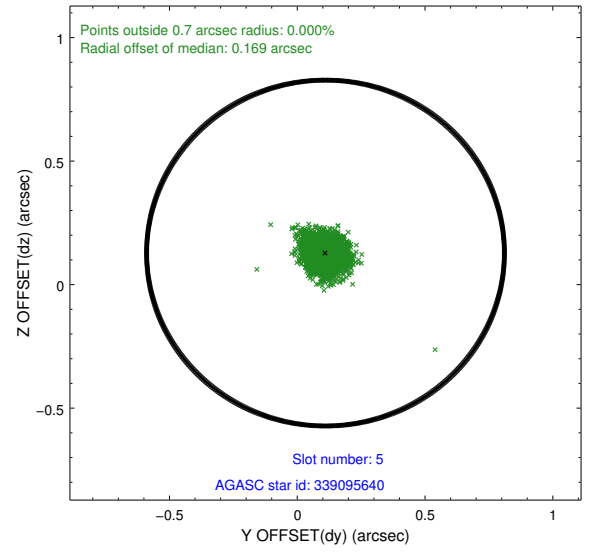
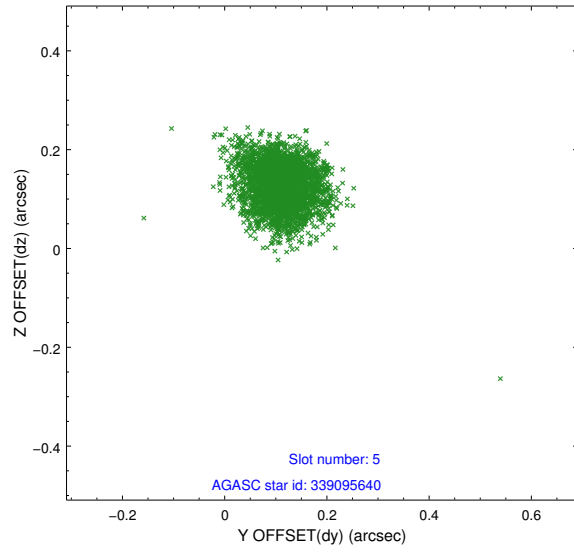
2.4.1 Slot 3



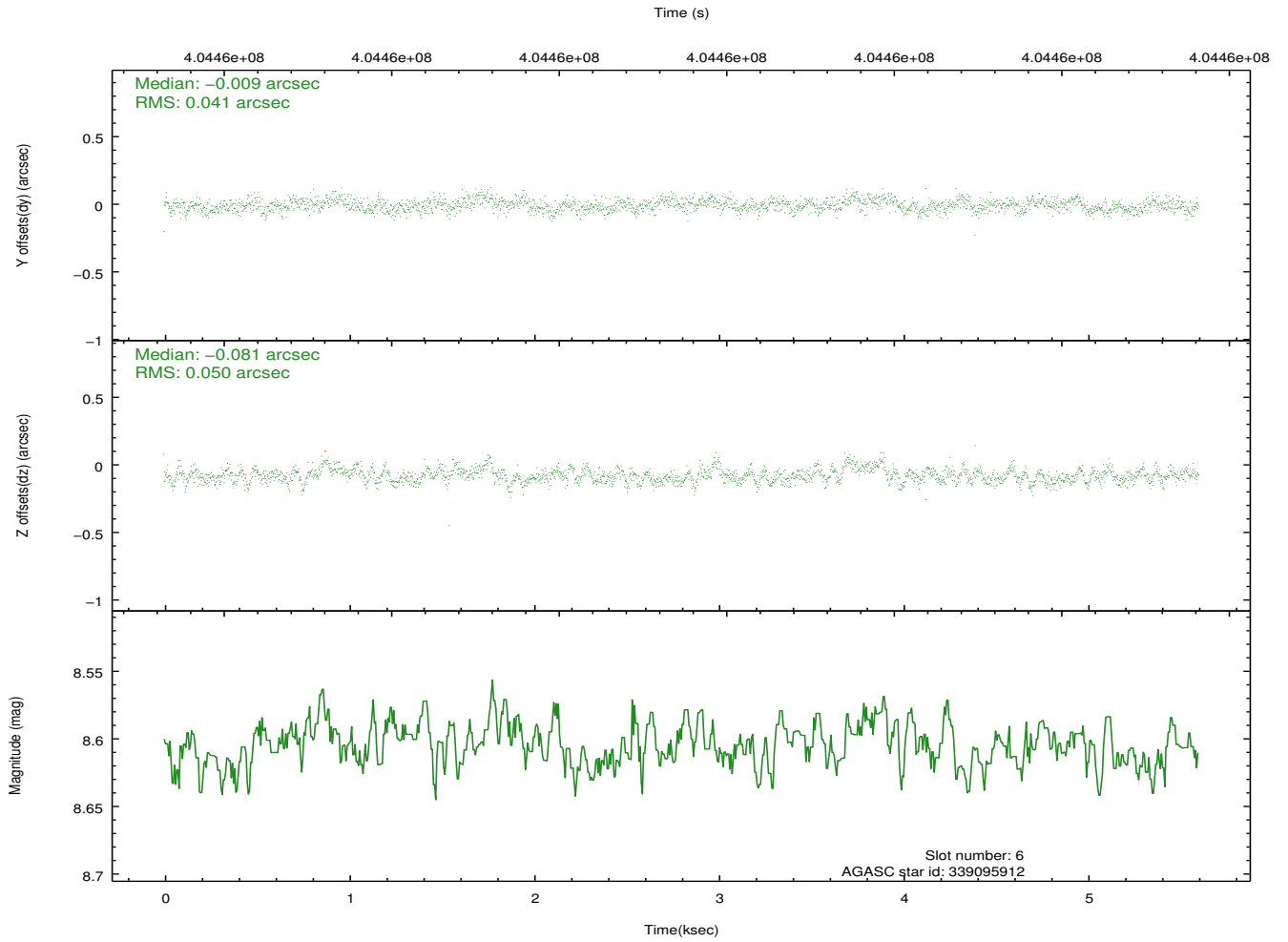
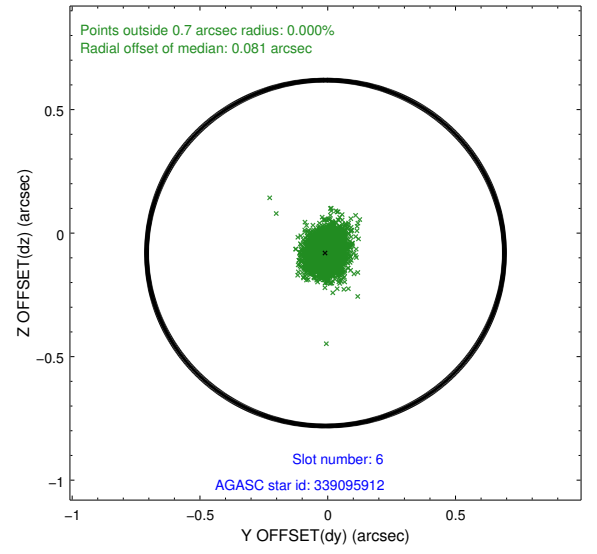
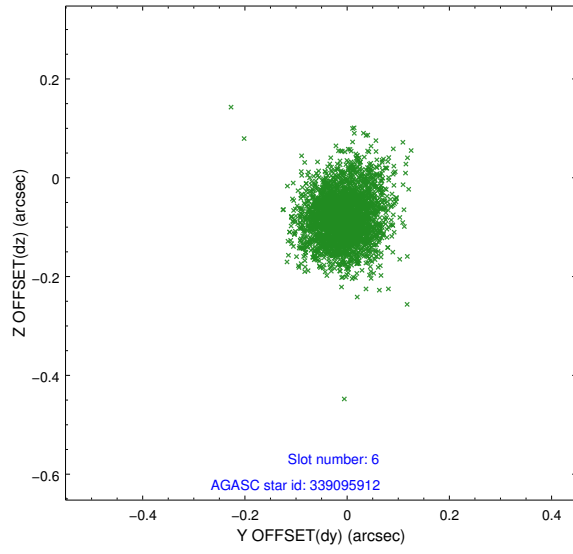
2.4.2 Slot 4



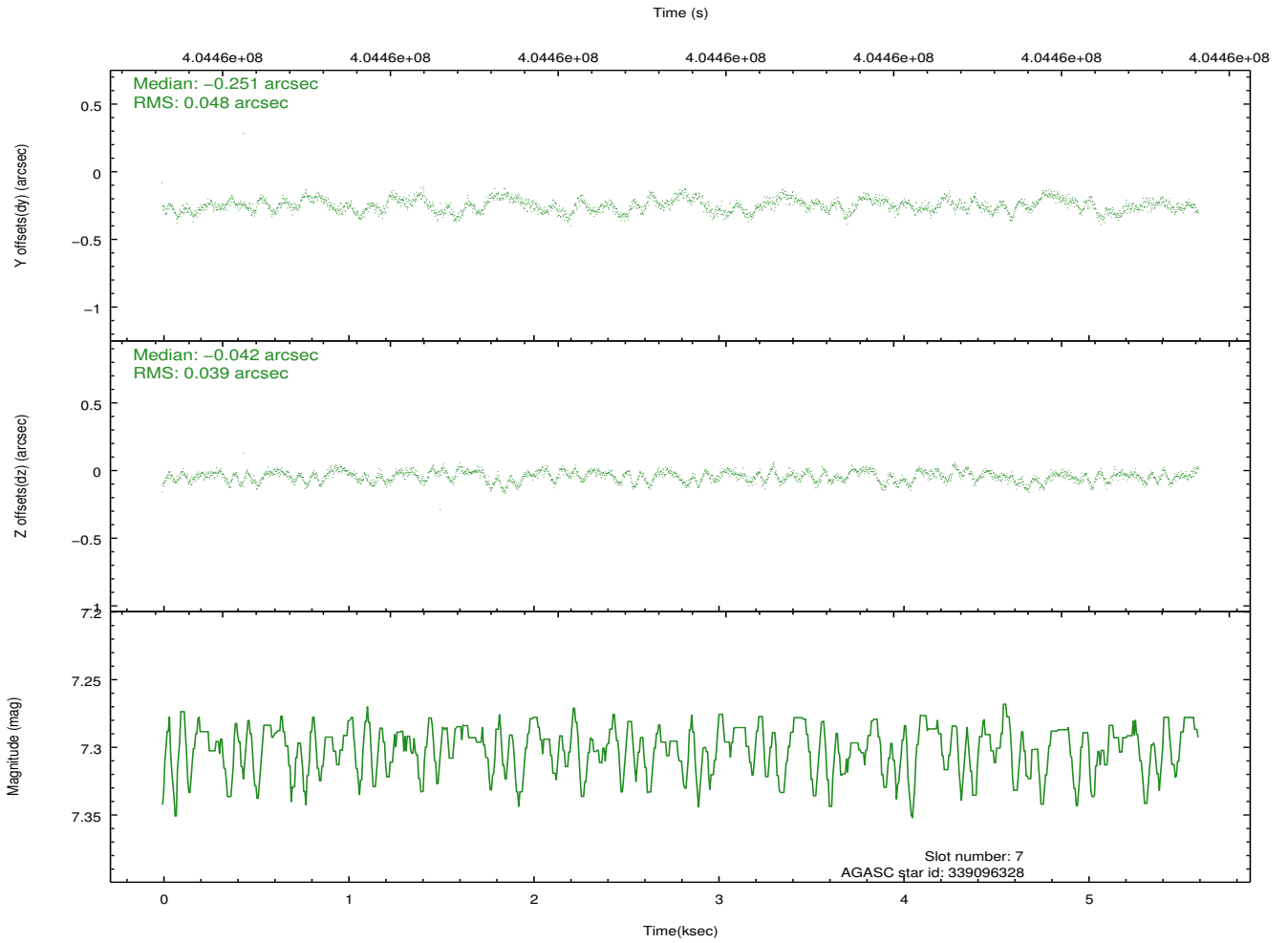
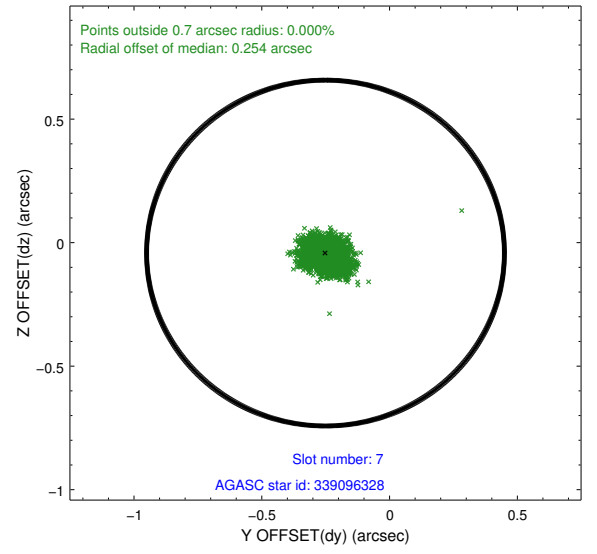
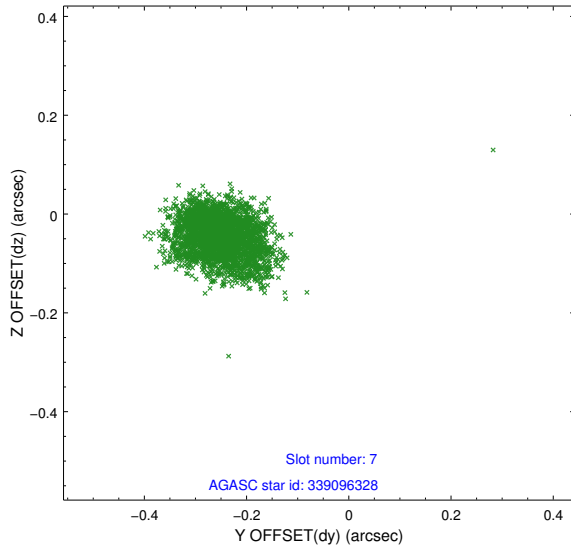
2.4.3 Slot 5



2.4.4 Slot 6

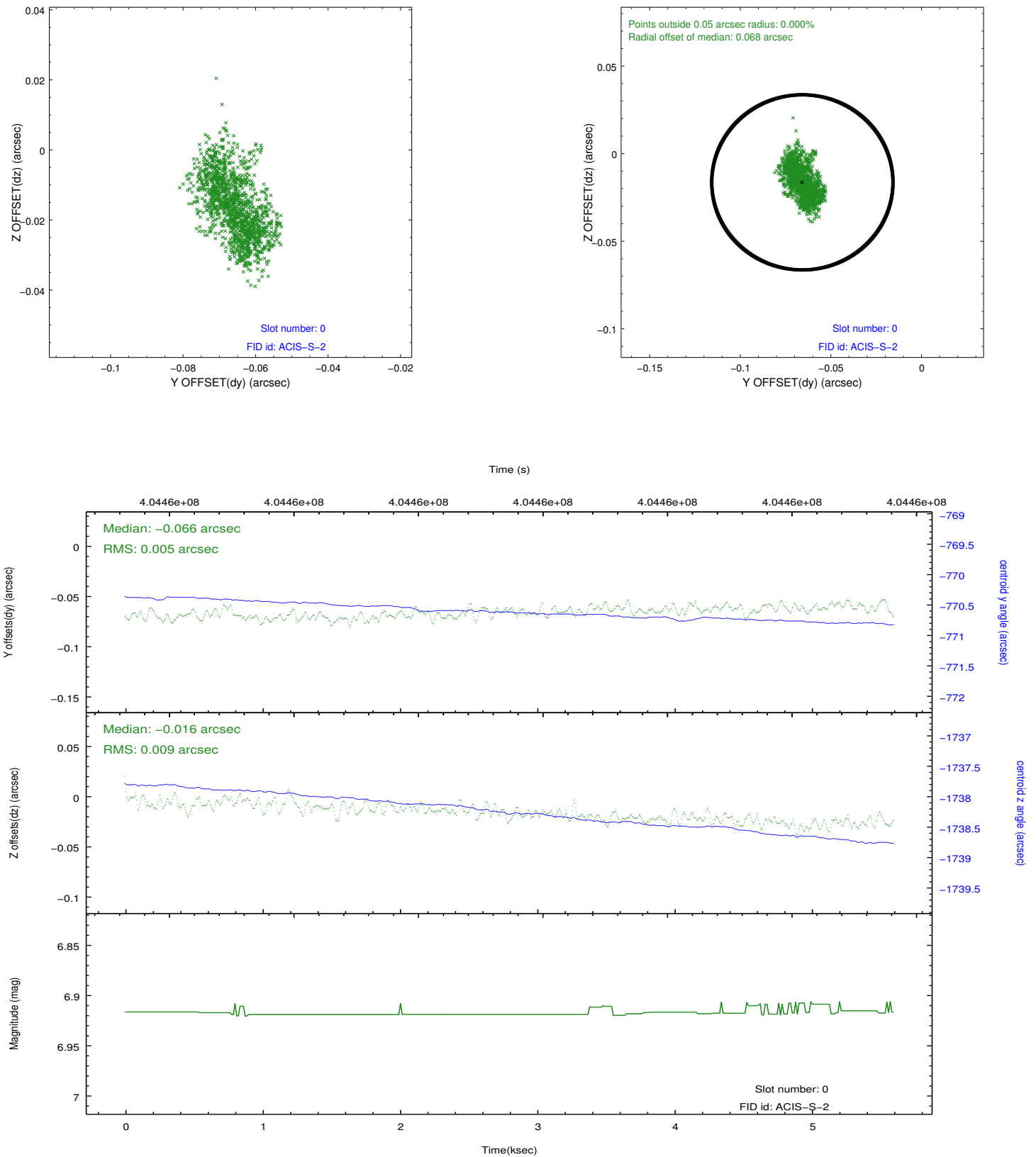


2.4.5 Slot 7

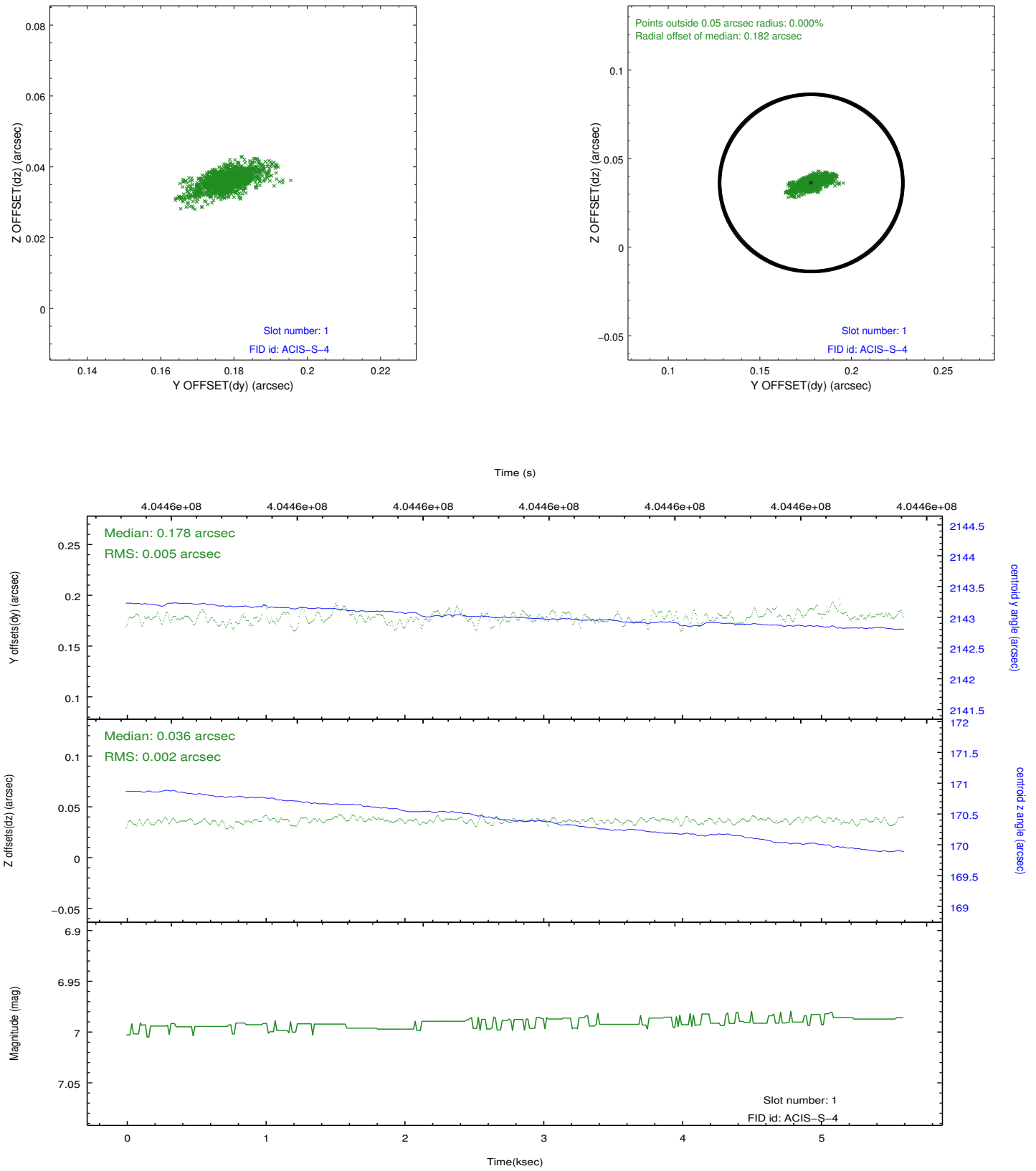


2.5 FID Slots

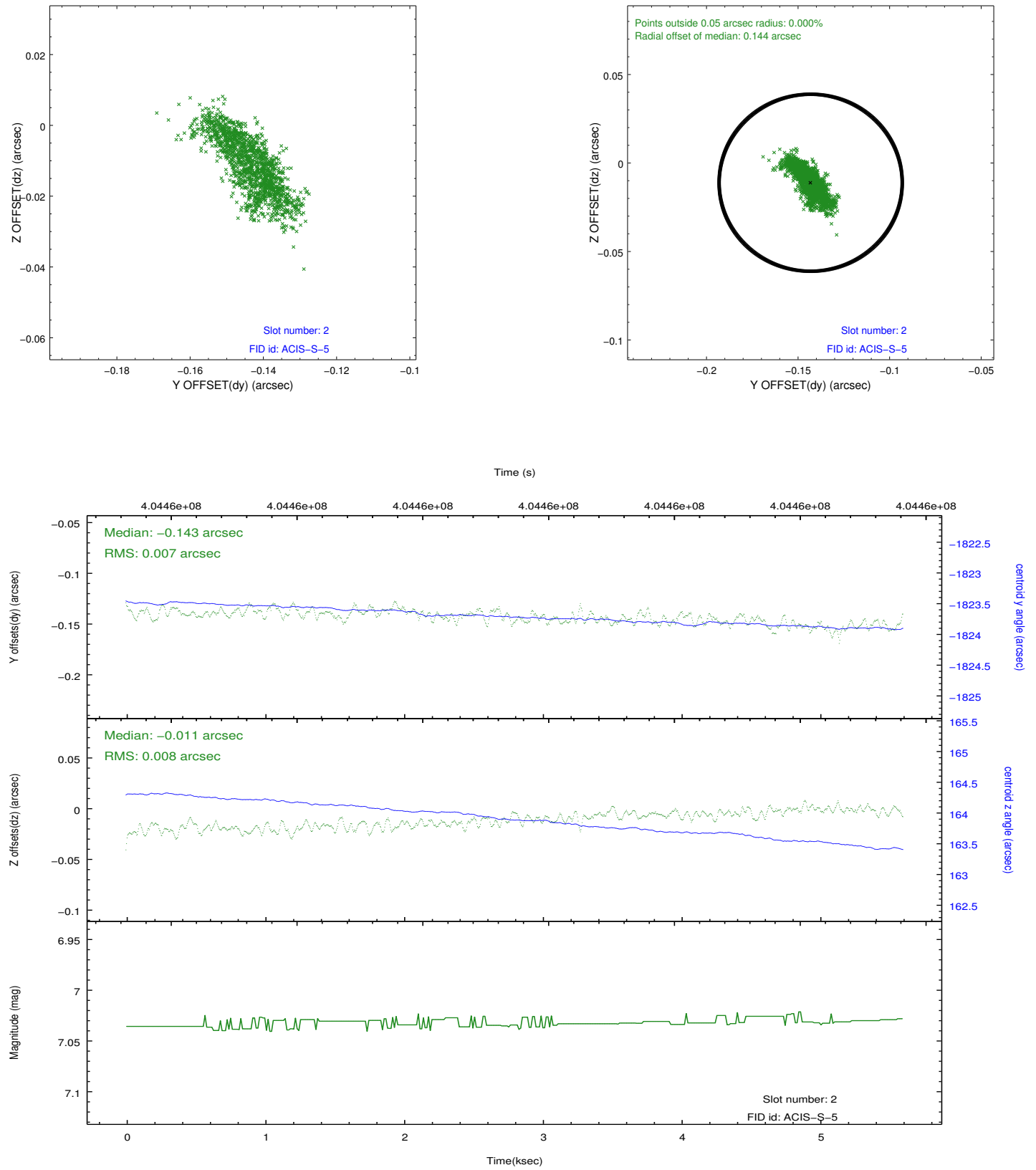
2.5.1 Slot 0



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)	2012.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.9631999815702

A.2 Comments