

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11661 - L2 Version 2
Chandra X-Ray Center

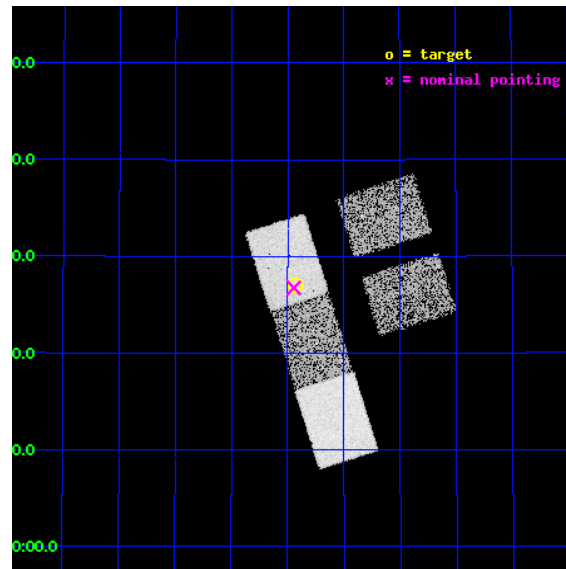
L2 Processing Date : Jun 23 2012

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1 Front

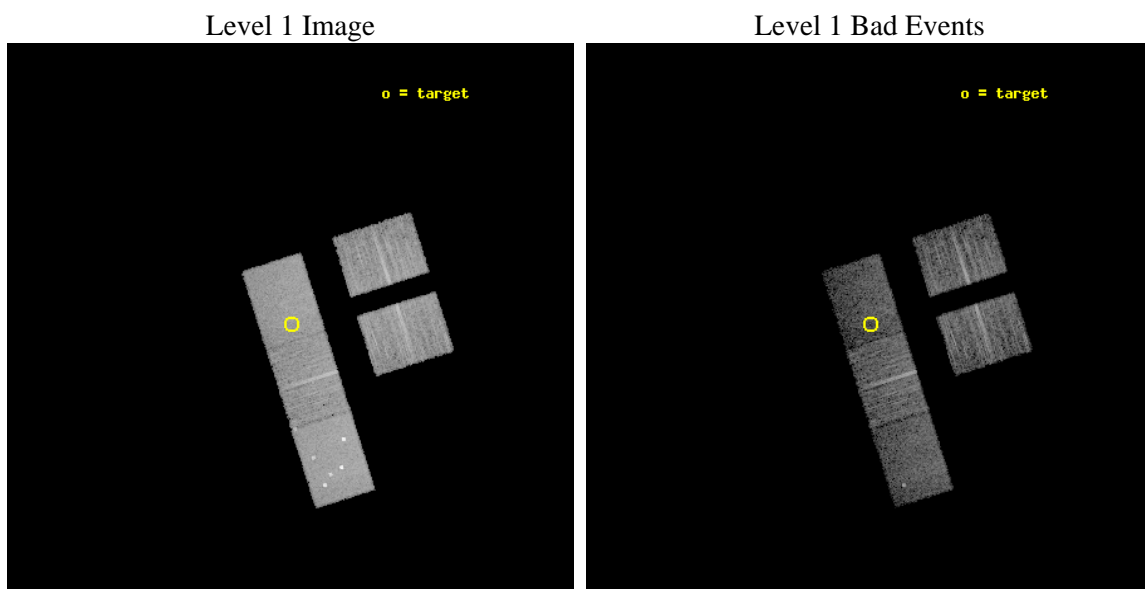
seq_num	702247	Sequence number
obs_id	11661	Observation id
title	Chandra deciphers the Optically 'Dull' X-ray Bright Galaxies at z~0.	Proposal title
observer	Dr. Anca Constantin	Principal investigator
object	SDSS J081456.30+382702.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	123.734583	Observer's specified target RA [deg]
dec_targ	38.450639	Observer's specified target Dec [deg]
ra_nom	123.73612362767	Nominal RA [deg]
dec_nom	38.445987938219	Nominal Dec [deg]
roll_nom	252.38278410506	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8378.3999167681	Sum of GTIs [s]
livetime	8237.5380166828	Livetime [s]
ontime2	8378.3999167681	Sum of GTIs [s]
ontime3	8378.3999167681	Sum of GTIs [s]
ontime5	8378.3999167681	Sum of GTIs [s]
ontime6	8378.3999167681	Sum of GTIs [s]
ontime7	8378.3999167681	Sum of GTIs [s]
l2events	65592	Number of level 2 events



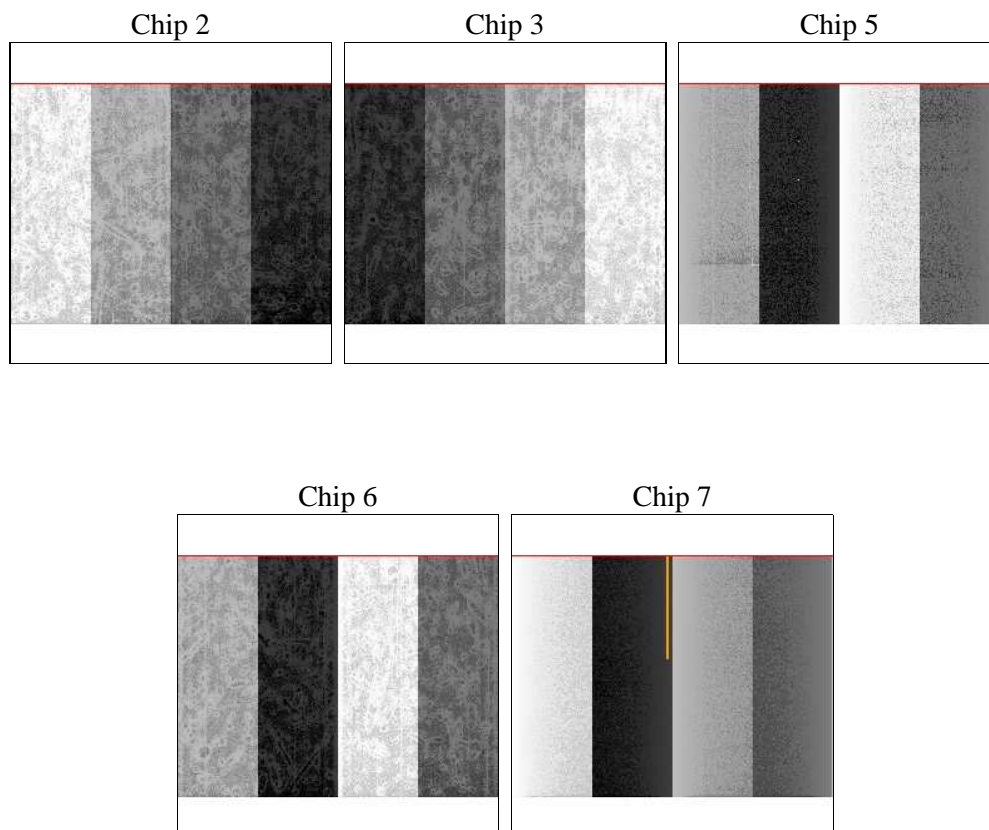
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	8378.3999167681	Sum of GTIs [s]
caldsver	4.4.10	 	ontime2	8378.3999167681	Sum of GTIs [s]
date	2012-06-23T18:31:06	Date and time of file creation	ontime3	8378.3999167681	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	8378.3999167681	Sum of GTIs [s]
			ontime6	8378.3999167681	Sum of GTIs [s]
			ontime7	8378.3999167681	Sum of GTIs [s]
			l1events	256649	Number of level 1 events

2.1.4 Events

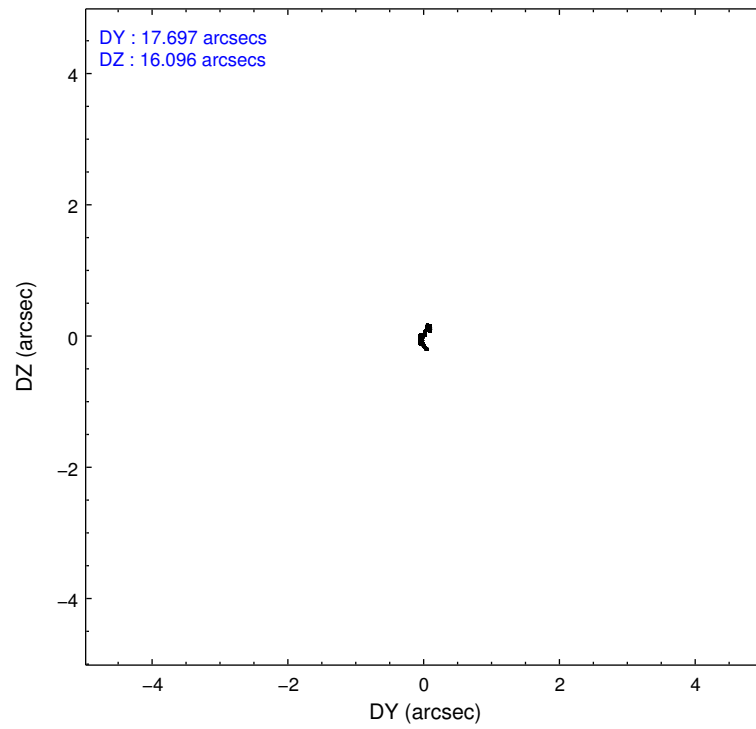
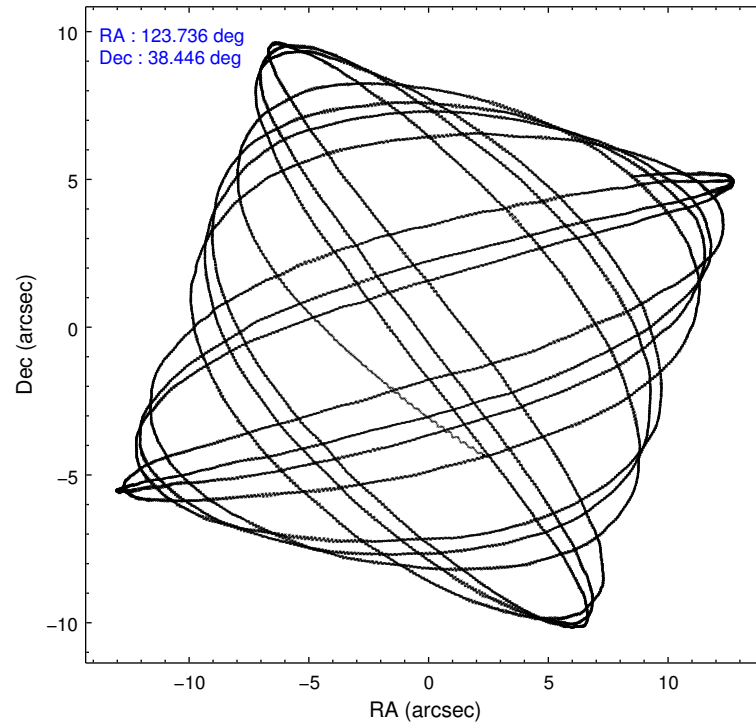
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	46868	44657	69740	46496	48888
rejected events	42114	40111	30986	41254	25436
rejected %	89%	89%	44%	88%	52%

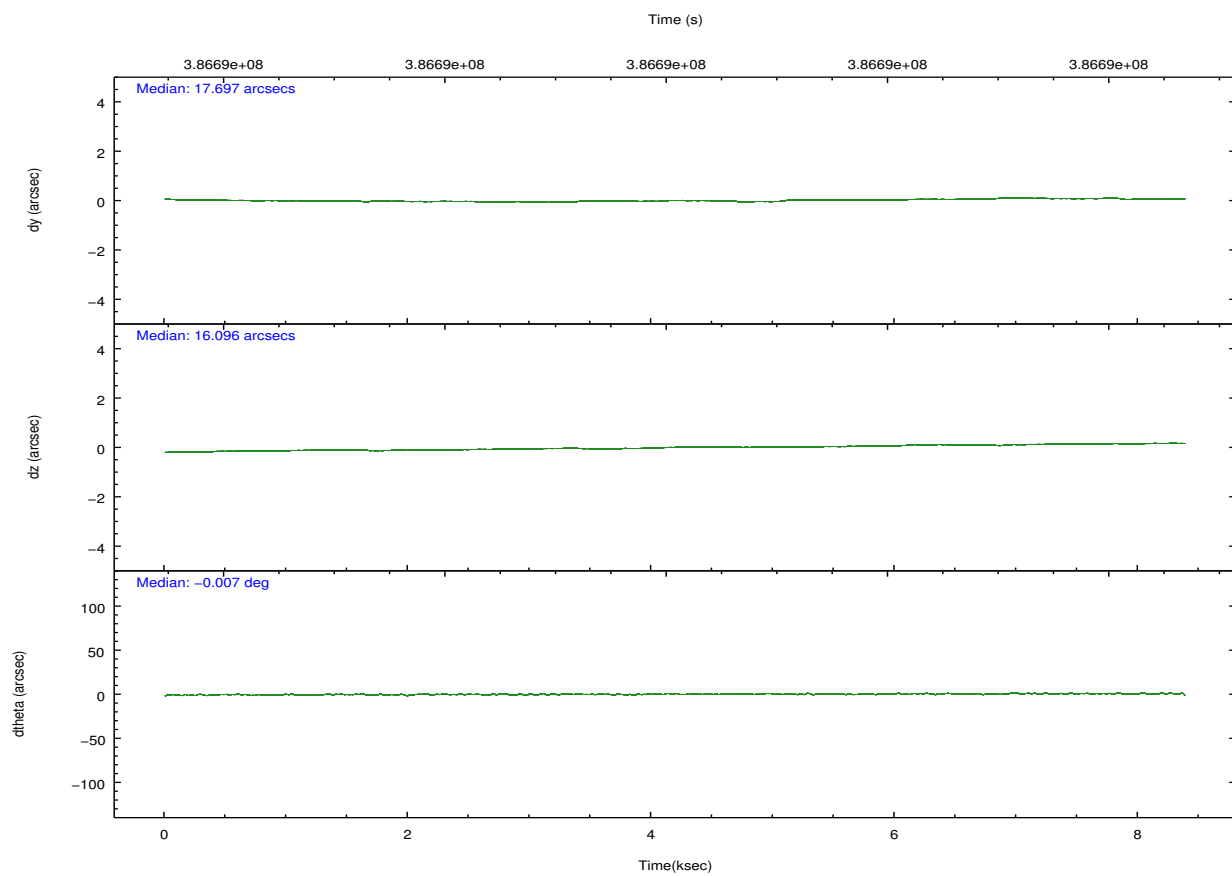
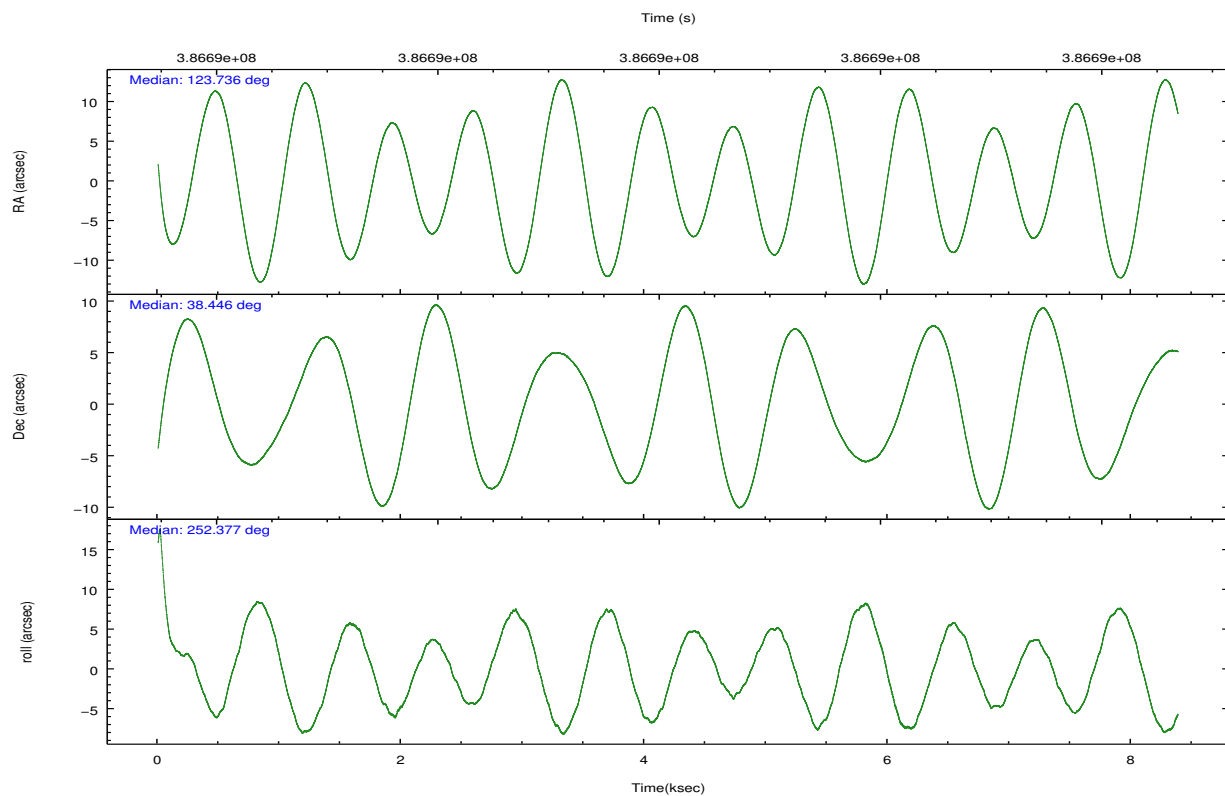
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	1748	1673	9667	1963	2548
	3%	3%	13%	4%	5%
grade 1 events	25	22	464	33	75
	0%	0%	0%	0%	0%
grade 2 events	1169	996	10298	1176	5221
	2%	2%	14%	2%	10%
grade 3 events	513	526	1577	566	2281
	1%	1%	2%	1%	4%
grade 4 events	539	573	1490	605	2361
	1%	1%	2%	1%	4%
grade 5 events	1359	1665	5230	1688	5315
	2%	3%	7%	3%	10%
grade 6 events	875	864	16587	1055	11548
	1%	1%	23%	2%	23%
grade 7 events	40640	38338	24427	39410	19539
	86%	85%	35%	84%	39%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	123.728125	123.7361236276717	CCD I2 on	O2	Y
[deg] Pointing Dec	38.472560	38.44598793821858	CCD I3 on	O3	Y
[deg] Pointing Roll	252.231101	252.3827841050606	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O4	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	386686080.184000	386685080.30437	CCD S5 on	N	N
Observation start date	2010-04-03T12:46:54	2010-04-03T12:31:20	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	386694280.184000	386695259.57989	On-chip summing requested	N	N
Observation end date	2010-04-03T15:03:34	2010-04-03T15:20:59	Subarray requested	CUSTOM	CUSTOM
Read mode	TIMED	TIMED	Subarray start row	128	128
			Subarray row count	768	768
			Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	2.4

2.3 Aspect



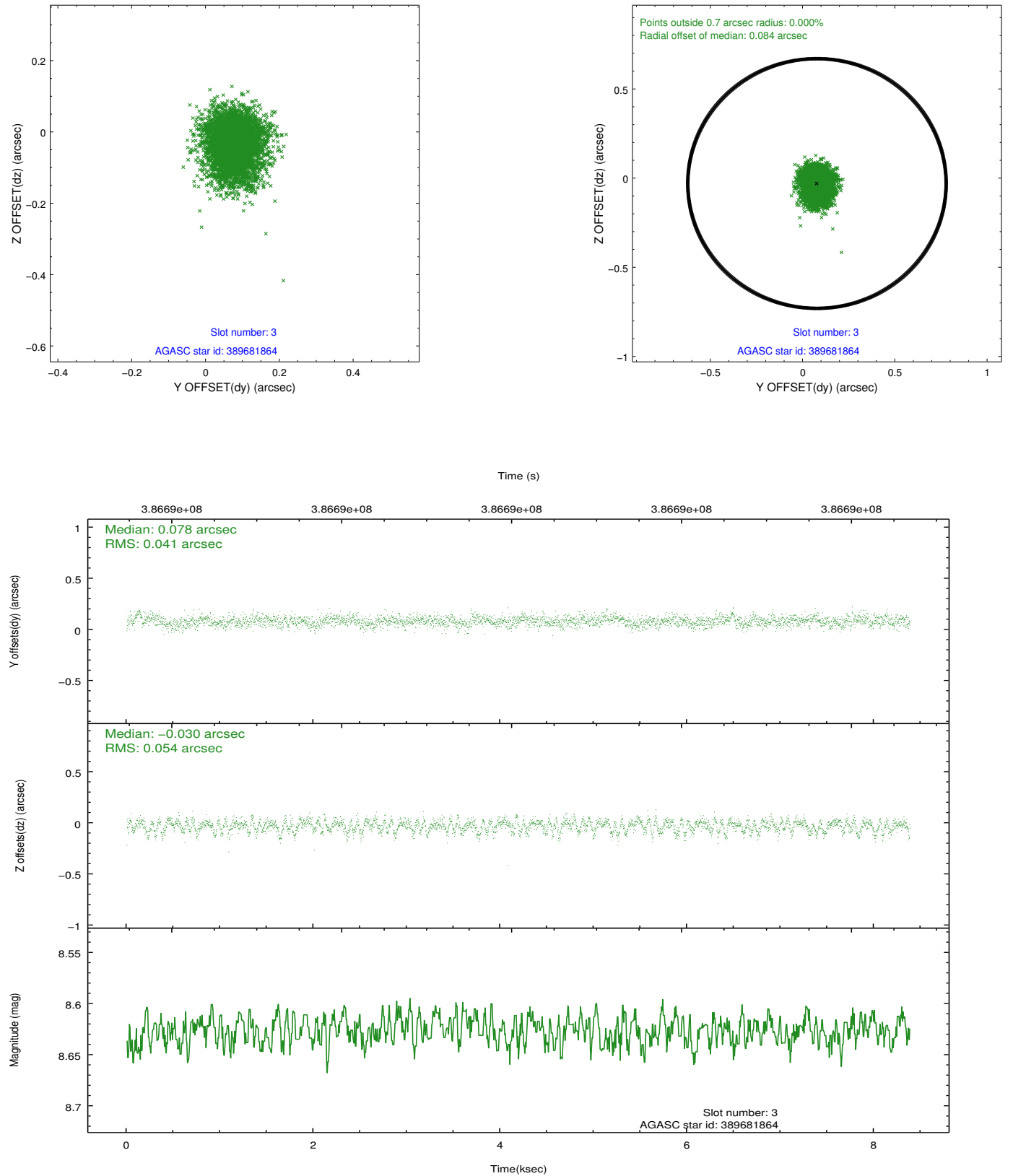


Slot Statistics

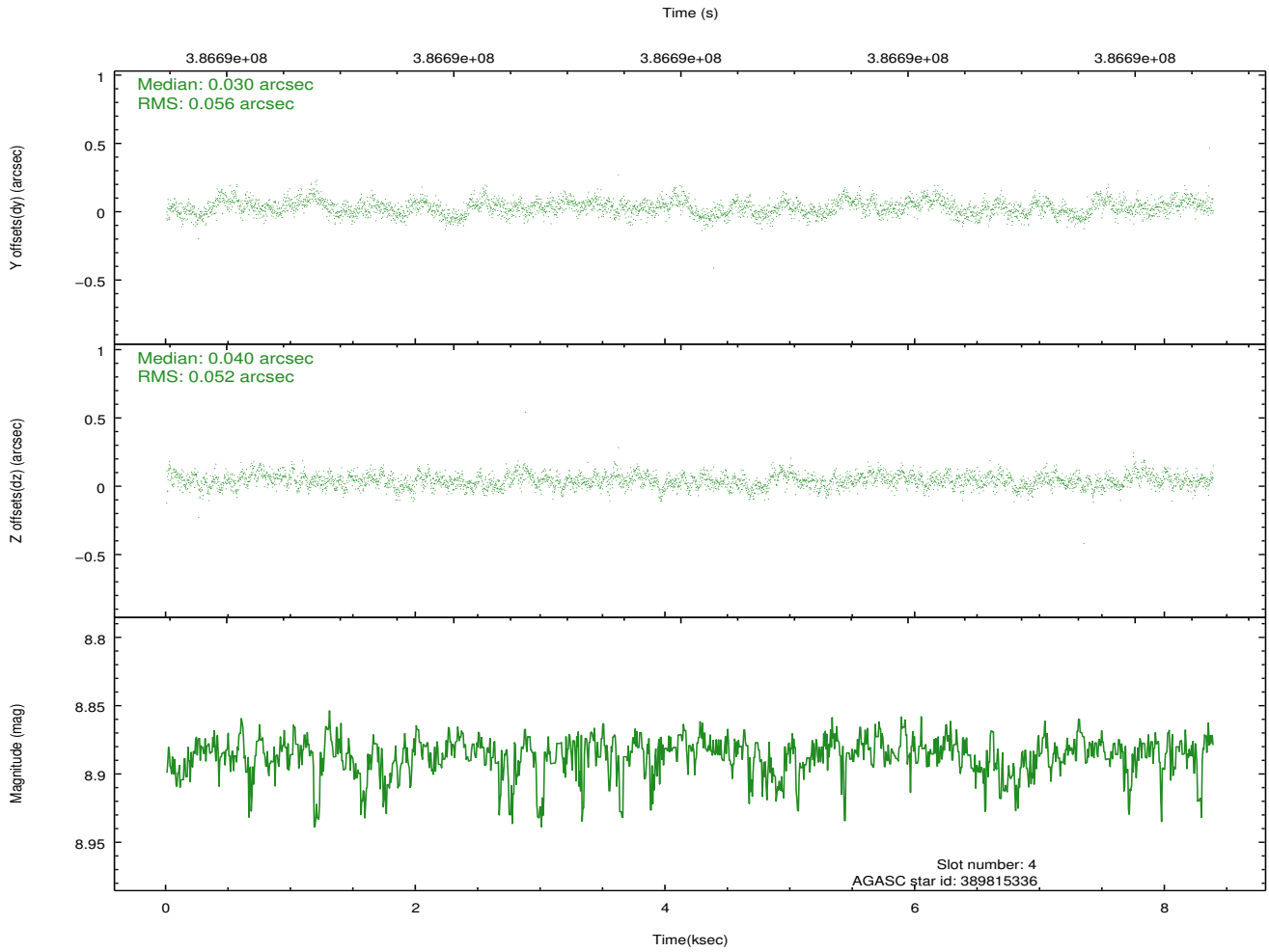
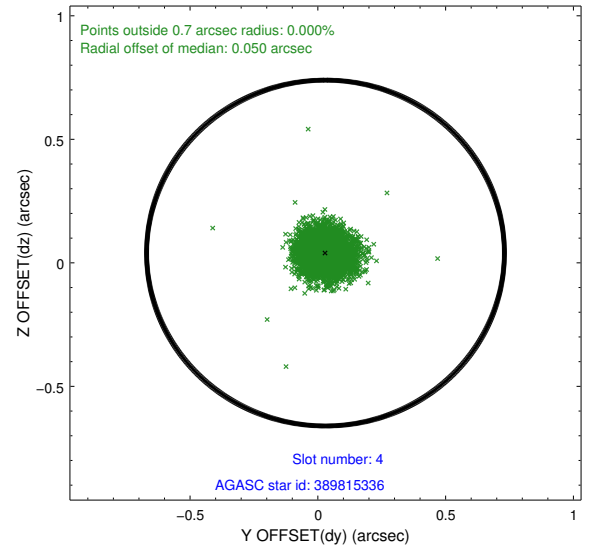
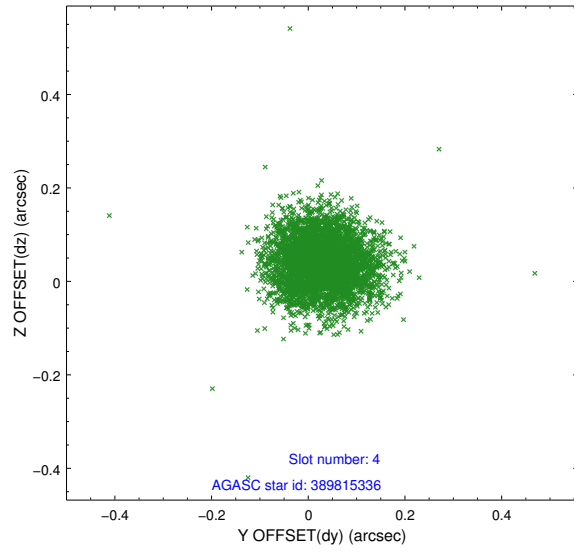
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.02	2044	0.117	-0.135	0.007	0.013	0.000000	0.000000	925.44	-1733.19
1	FID	ACIS-S-5	7.07	2045	-0.161	0.069	0.007	0.012	0.000000	0.000000	-1823.50	163.83
2	FID	ACIS-S-6	7.17	2045	0.022	0.078	0.006	0.011	0.000000	0.000000	390.13	808.59
3	GUIDE	389681864	8.63	4088	0.078	-0.030	0.071	0.117	123.122664	38.451721	588.04	-1604.29
4	GUIDE	389815336	8.89	4086	0.030	0.040	0.080	0.128	123.514134	39.116557	-2025.24	-1277.28
5	GUIDE	389815952	9.14	4088	0.008	0.100	0.088	0.144	123.627162	38.455753	145.18	-252.24
6	GUIDE	389819992	7.84	4090	-0.270	0.081	0.058	0.095	124.480844	38.800815	-1777.80	1647.89
7	GUIDE	389828304	8.41	4081	0.152	-0.188	0.061	0.097	123.551055	37.948073	1951.87	97.74

2.4 Star Slots

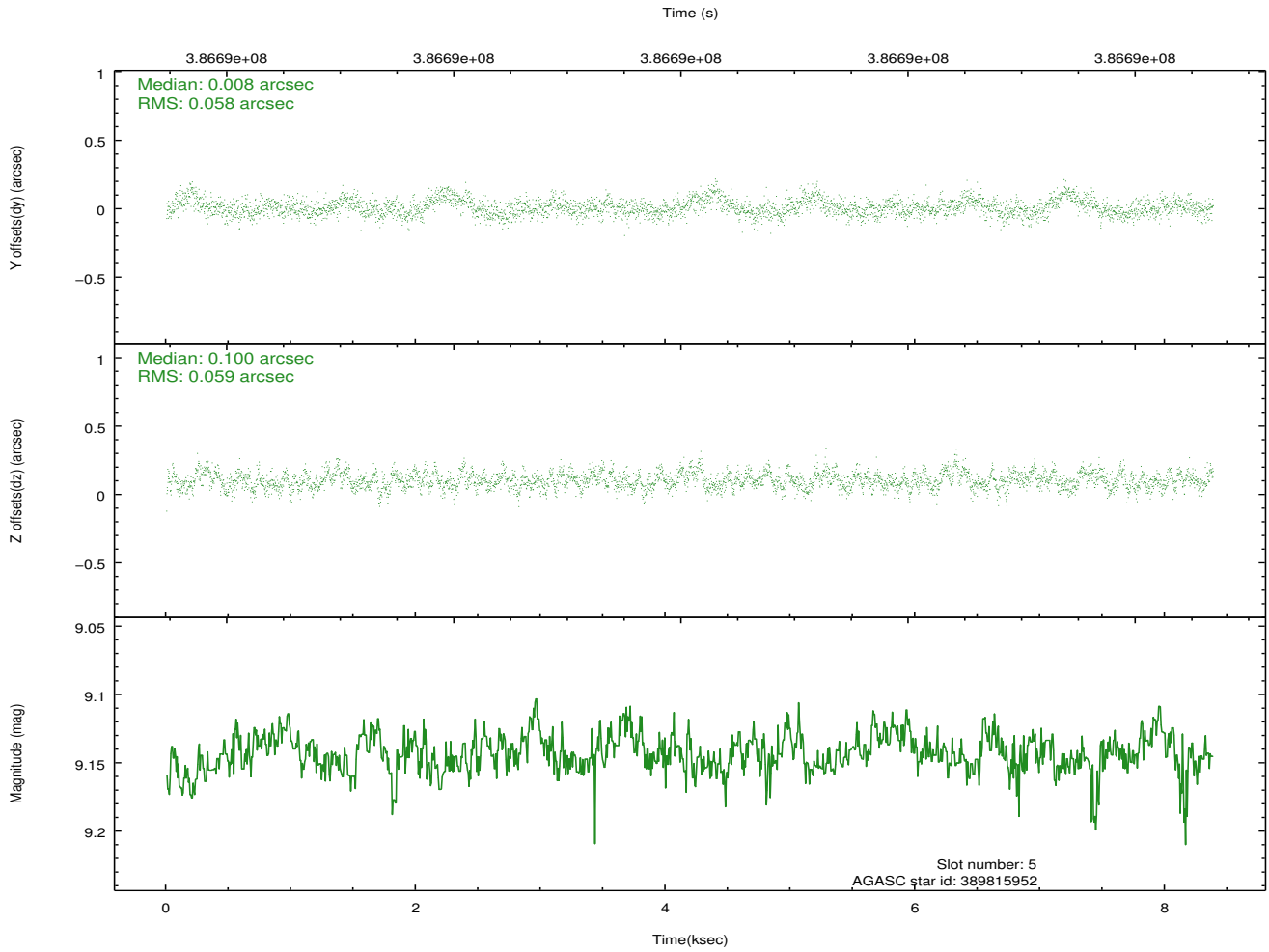
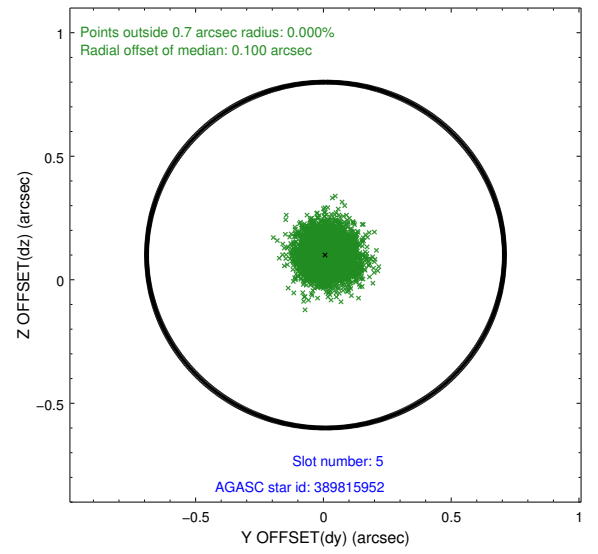
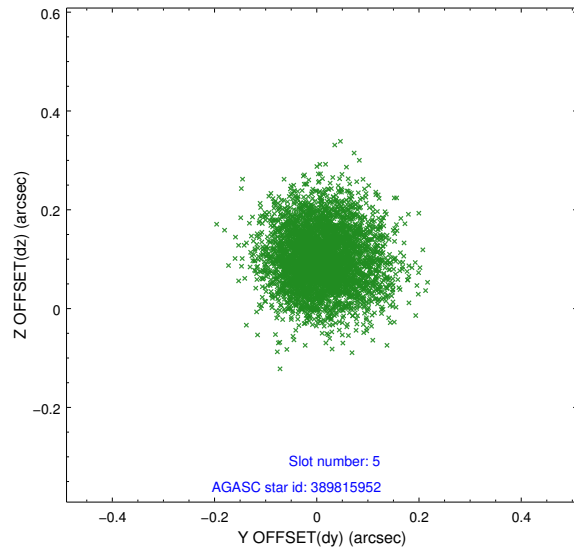
2.4.1 Slot 3



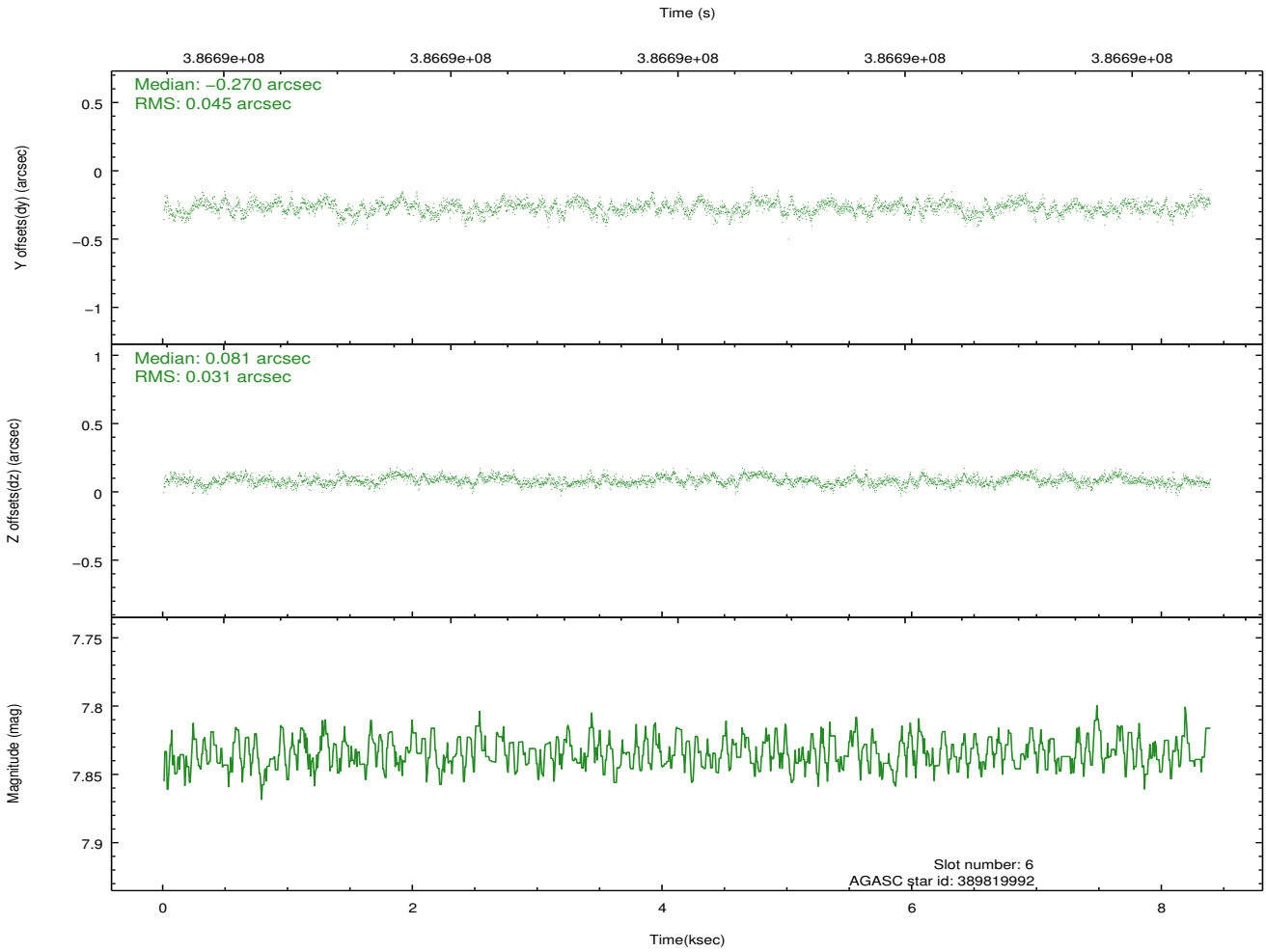
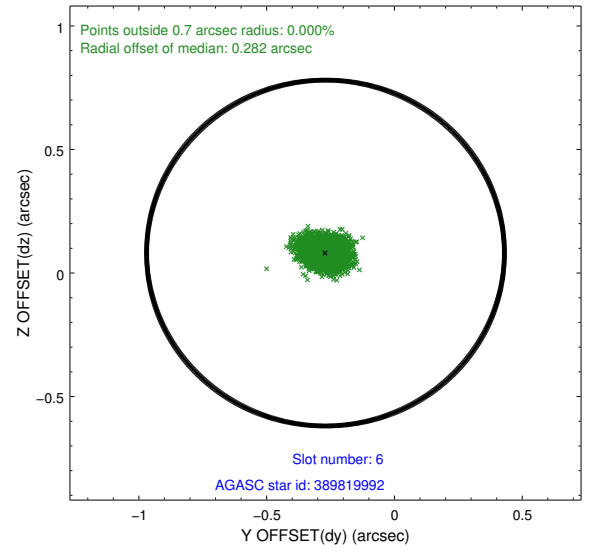
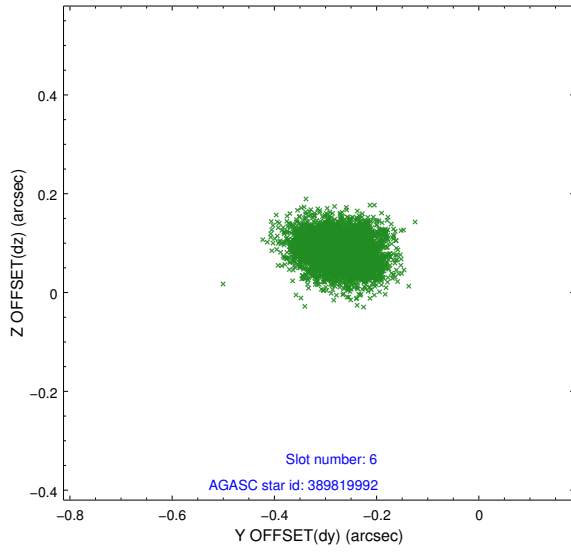
2.4.2 Slot 4



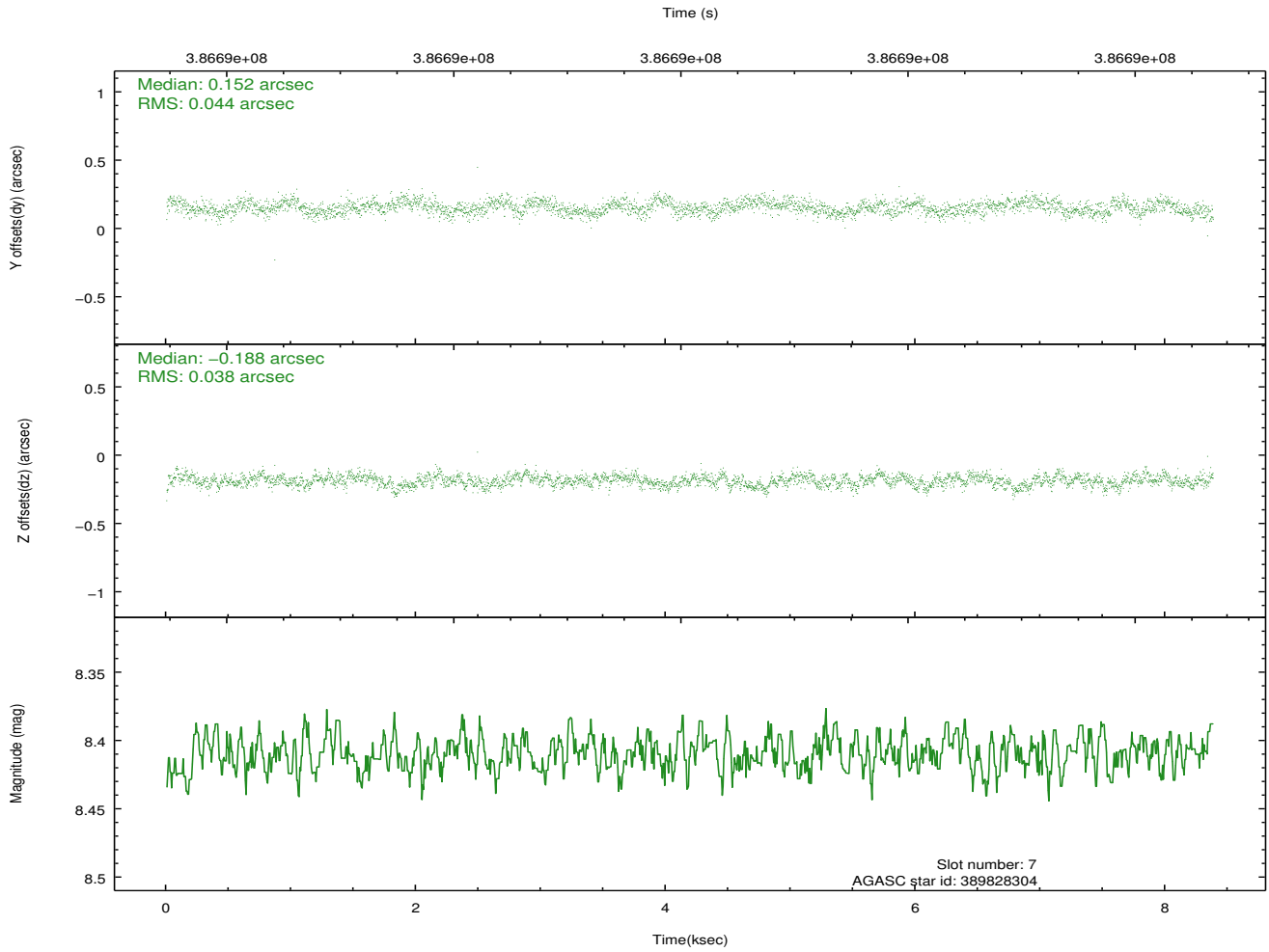
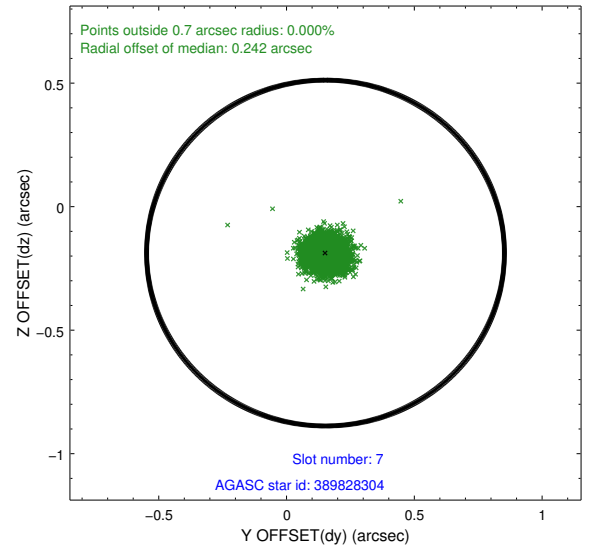
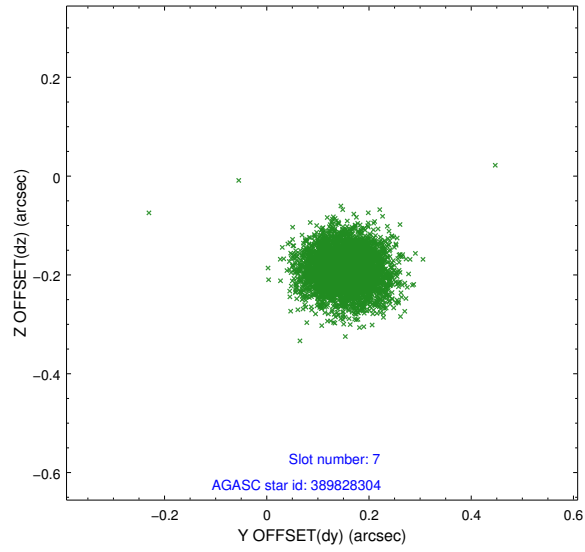
2.4.3 Slot 5



2.4.4 Slot 6

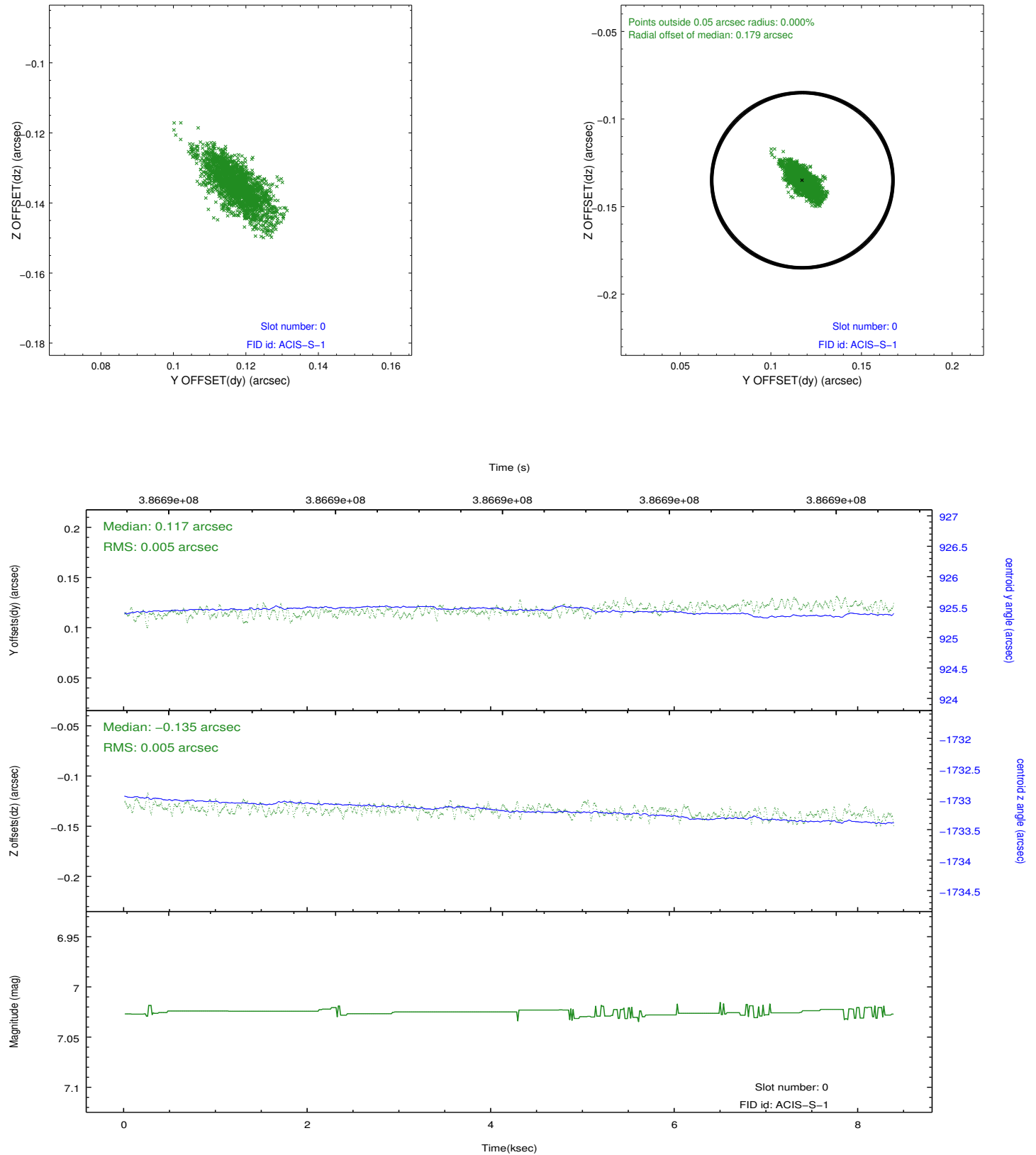


2.4.5 Slot 7

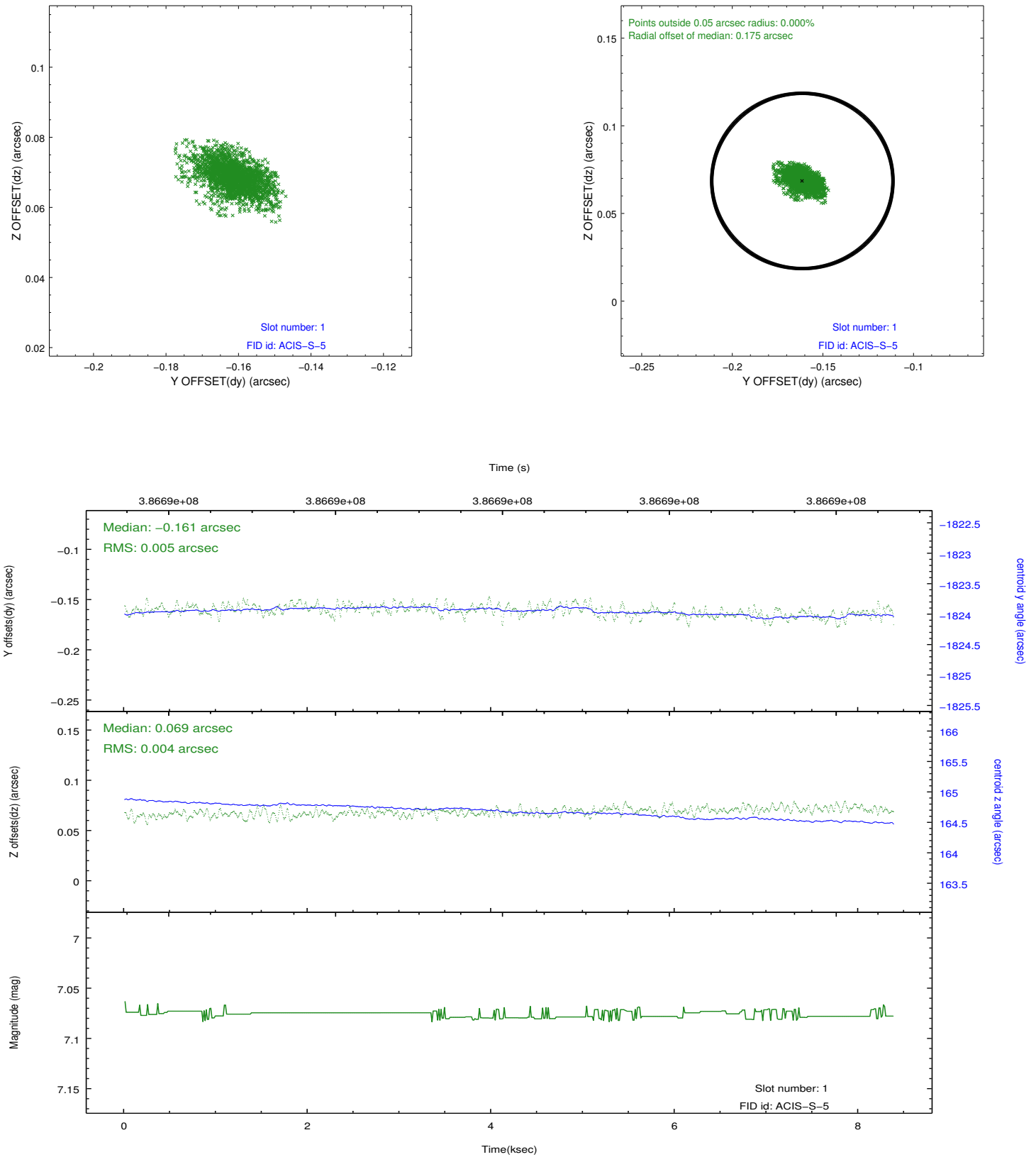


2.5 FID Slots

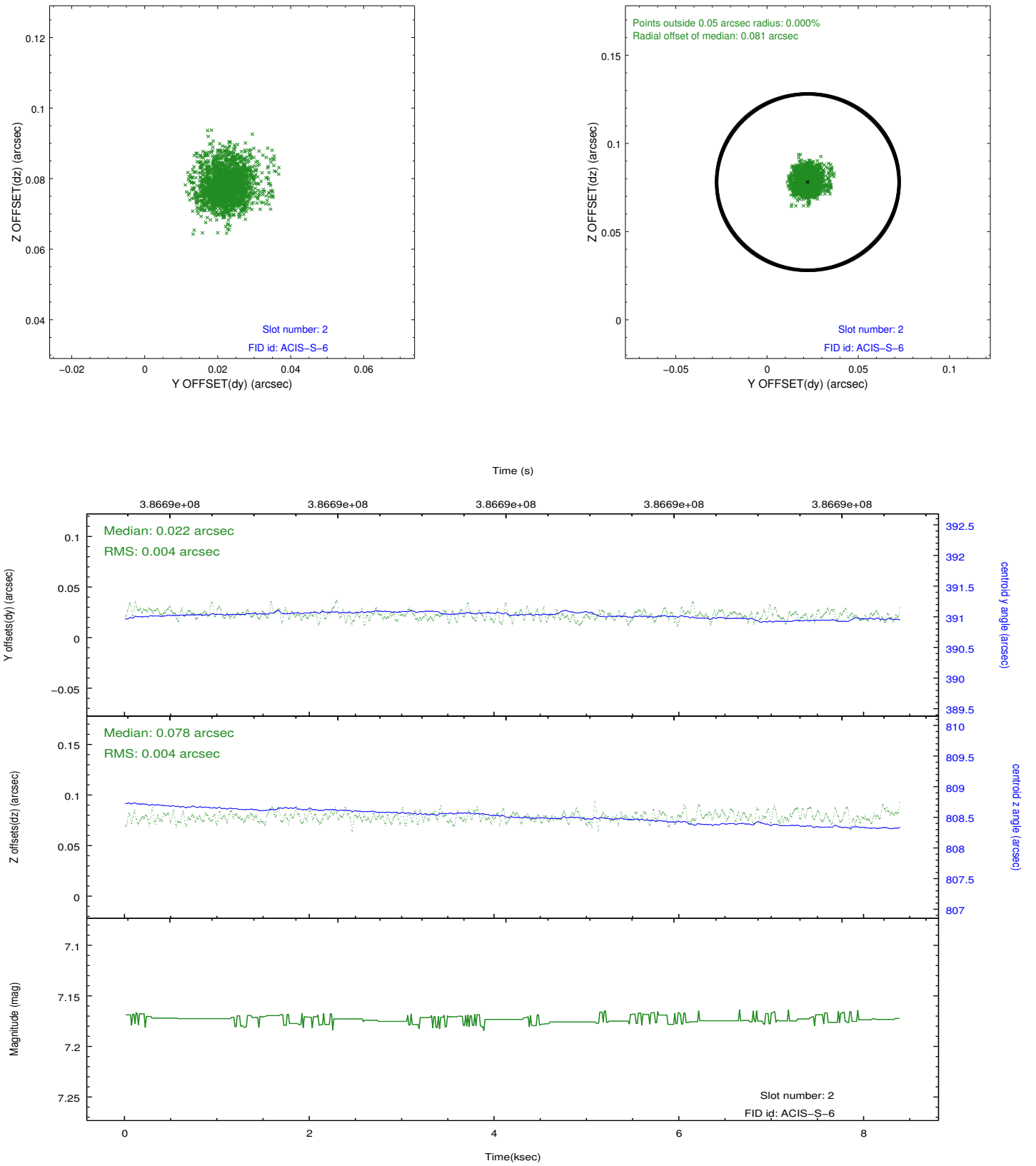
2.5.1 Slot 0



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)	2012.06.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.3783999167681

A.2 Comments