

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12281 - L2 Version 2
Chandra X-Ray Center

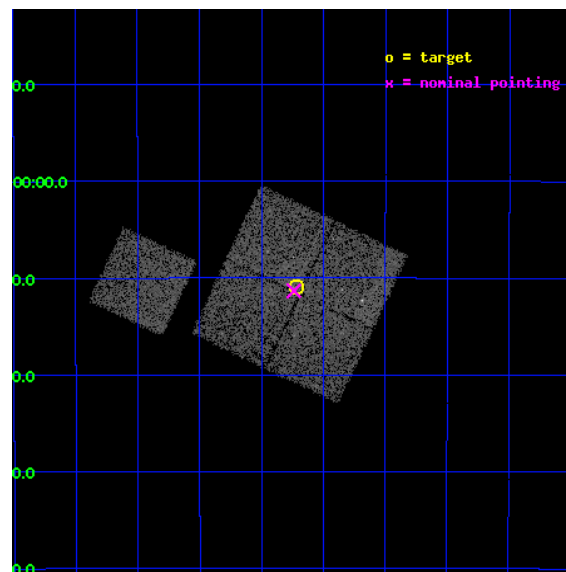
L2 Processing Date : Jul 2 2012

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1 Front

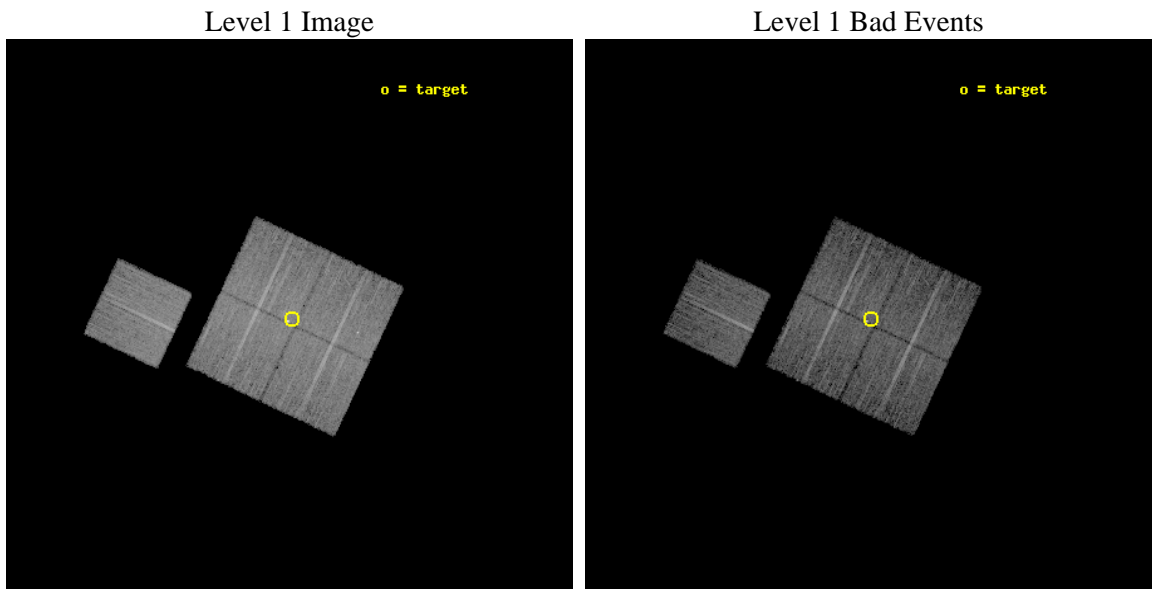
seq_num	801000	Sequence number
obs_id	12281	Observation id
title	A 'CENTENNIAL' SAMPLE OF THE 100 X-RAY BRIGHTEST GALAXY CLUSTERS	
observer	Dr. Alexey Vikhlinin	Principal investigator
object	RXJ1958.2-3011	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	299.553333	Observer's specified target RA [deg]
dec_targ	-30.182944	Observer's specified target Dec [deg]
ra_nom	299.55961362953	Nominal RA [deg]
dec_nom	-30.188871267086	Nominal Dec [deg]
roll_nom	295.32444974328	Nominal Roll [deg]
revision	2	Processing version of data
ontime	9580.9943913817	Sum of GTIs [s]
livetime	9455.8116462329	Livetime [s]
ontime0	9580.8712713718	Sum of GTIs [s]
ontime1	9577.7713009715	Sum of GTIs [s]
ontime2	9577.81233114	Sum of GTIs [s]
ontime3	9580.9943913817	Sum of GTIs [s]
ontime6	9580.8302313685	Sum of GTIs [s]
l2events	36775	Number of level 2 events



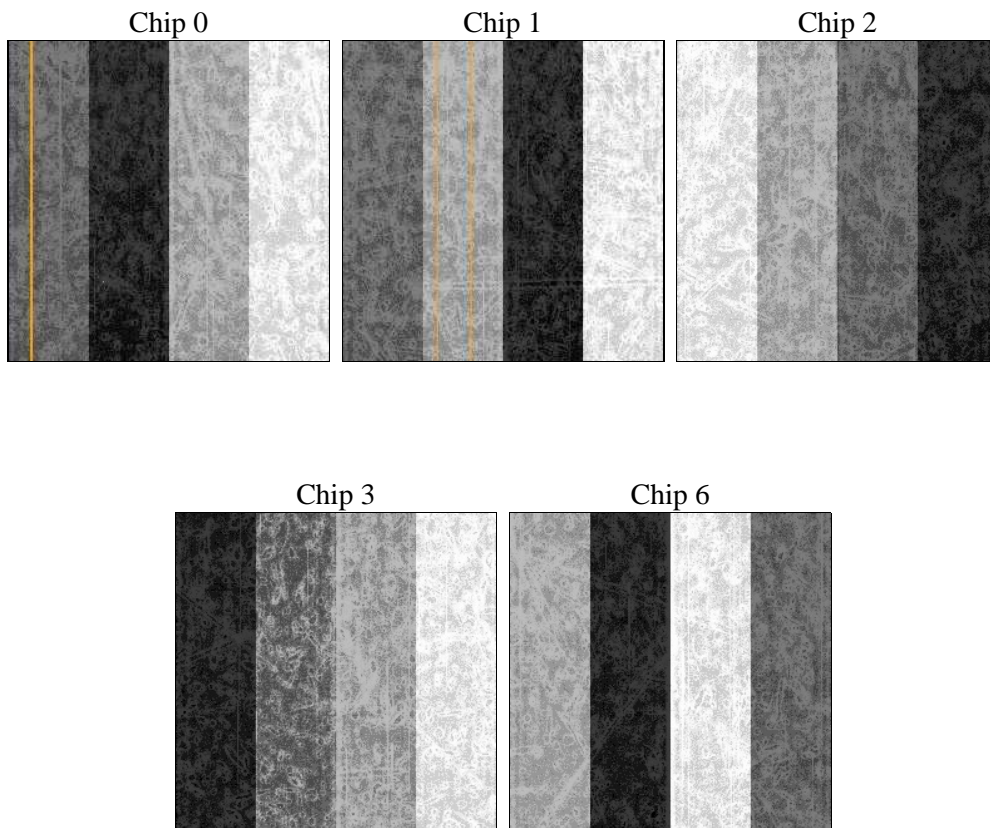
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	9532.239000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9580.9943913817	Sum of GTIs [s]
caldsver	4.5.0	 	ontime0	9580.8712713718	Sum of GTIs [s]
date	2012-07-02T05:28:19	Date and time of file creation	ontime1	9577.7713009715	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	9577.81233114	Sum of GTIs [s]
			ontime3	9580.9943913817	Sum of GTIs [s]
			ontime6	9580.8302313685	Sum of GTIs [s]
			l1events	354598	Number of level 1 events

2.1.4 Events

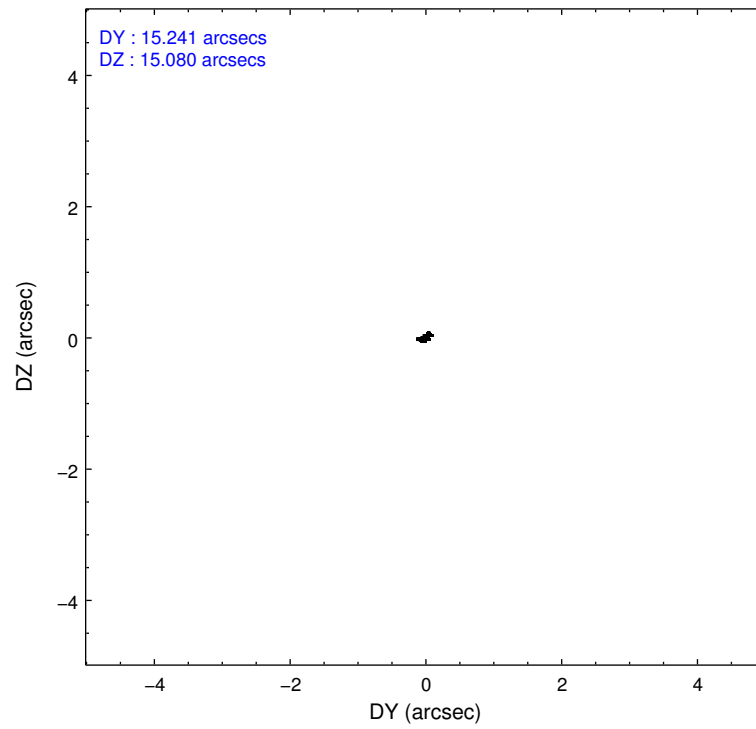
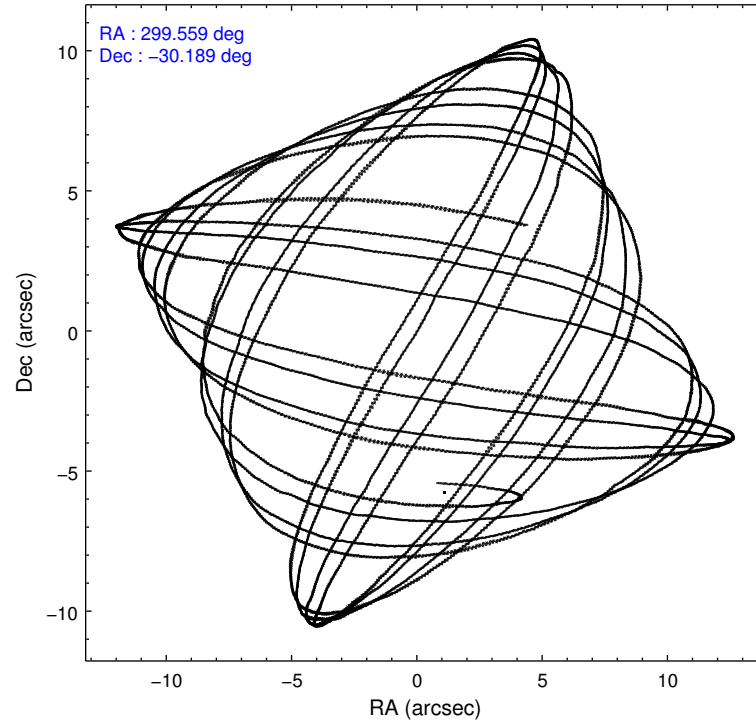
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	67377	68258	73310	73211	72442
rejected events	59180	58600	65316	63655	64379
rejected %	87%	85%	89%	86%	88%

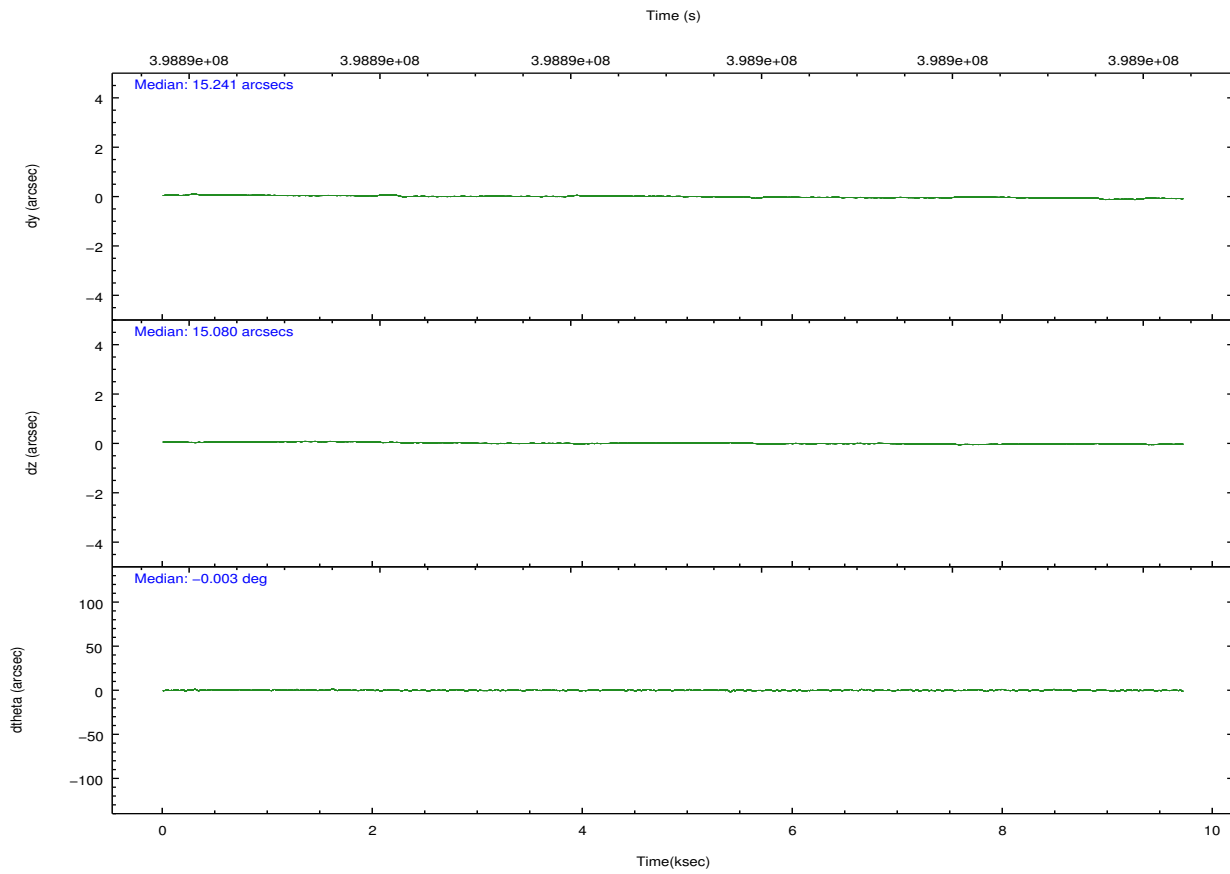
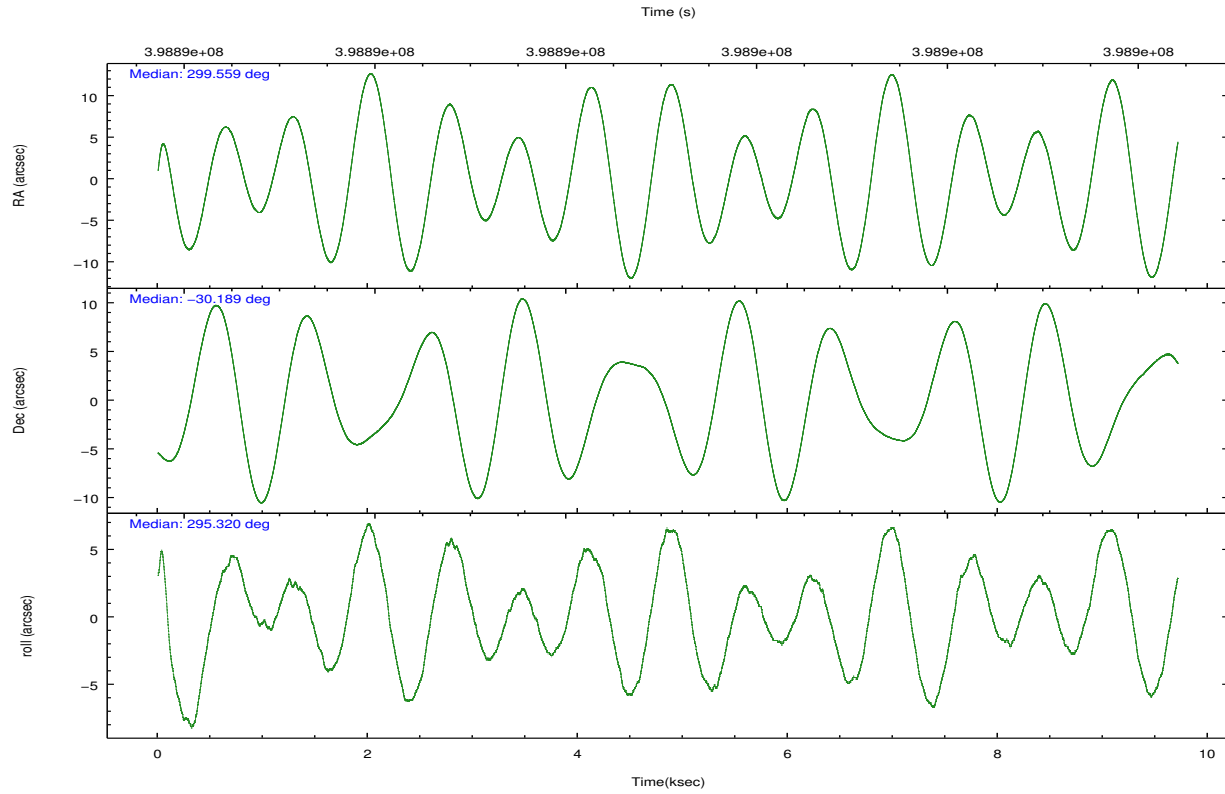
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2866	3815	3005	3833	2856
	4%	5%	4%	5%	3%
grade 1 events	36	38	45	273	33
	0%	0%	0%	0%	0%
grade 2 events	2029	2140	1961	1921	1809
	3%	3%	2%	2%	2%
grade 3 events	898	908	779	961	862
	1%	1%	1%	1%	1%
grade 4 events	830	913	820	942	826
	1%	1%	1%	1%	1%
grade 5 events	2928	3251	2802	3715	3242
	4%	4%	3%	5%	4%
grade 6 events	1578	1892	1433	1904	1715
	2%	2%	1%	2%	2%
grade 7 events	56212	55301	62465	59662	61099
	83%	81%	85%	81%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	299.533437	299.5596136295274	CCD I2 on	Y	Y
[deg] Pointing Dec	-30.173335	-30.18887126708646	CCD I3 on	Y	Y
[deg] Pointing Roll	295.102601	295.324449743283	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	398890396.184000	398889292.62676	CCD S5 on	N	N
Observation start date	2010-08-22T18:52:10	2010-08-22T18:34:52	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	398899928.184000	398900165.82731	On-chip summing requested	N	N
Observation end date	2010-08-22T21:31:02	2010-08-22T21:36:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



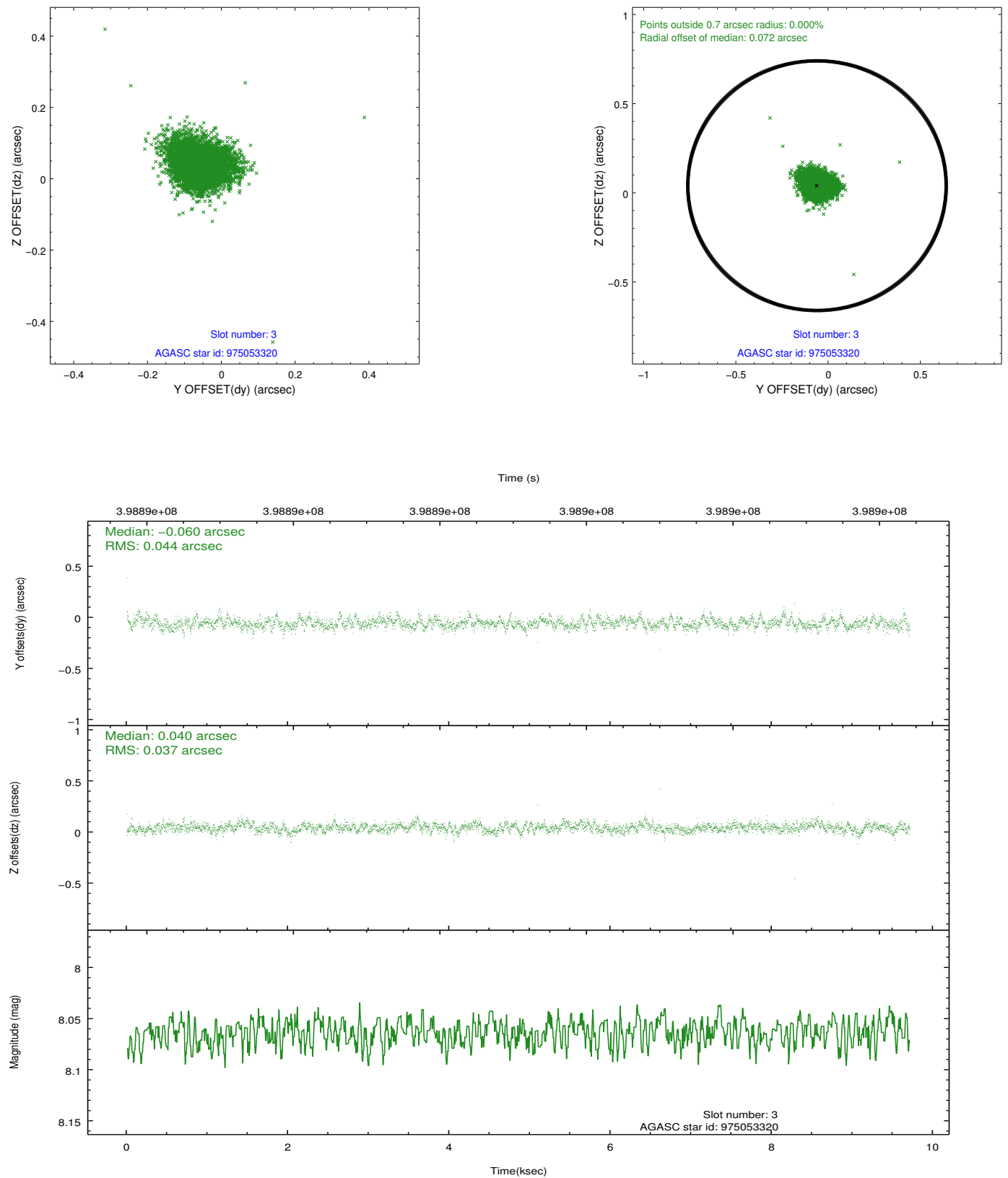


Slot Statistics

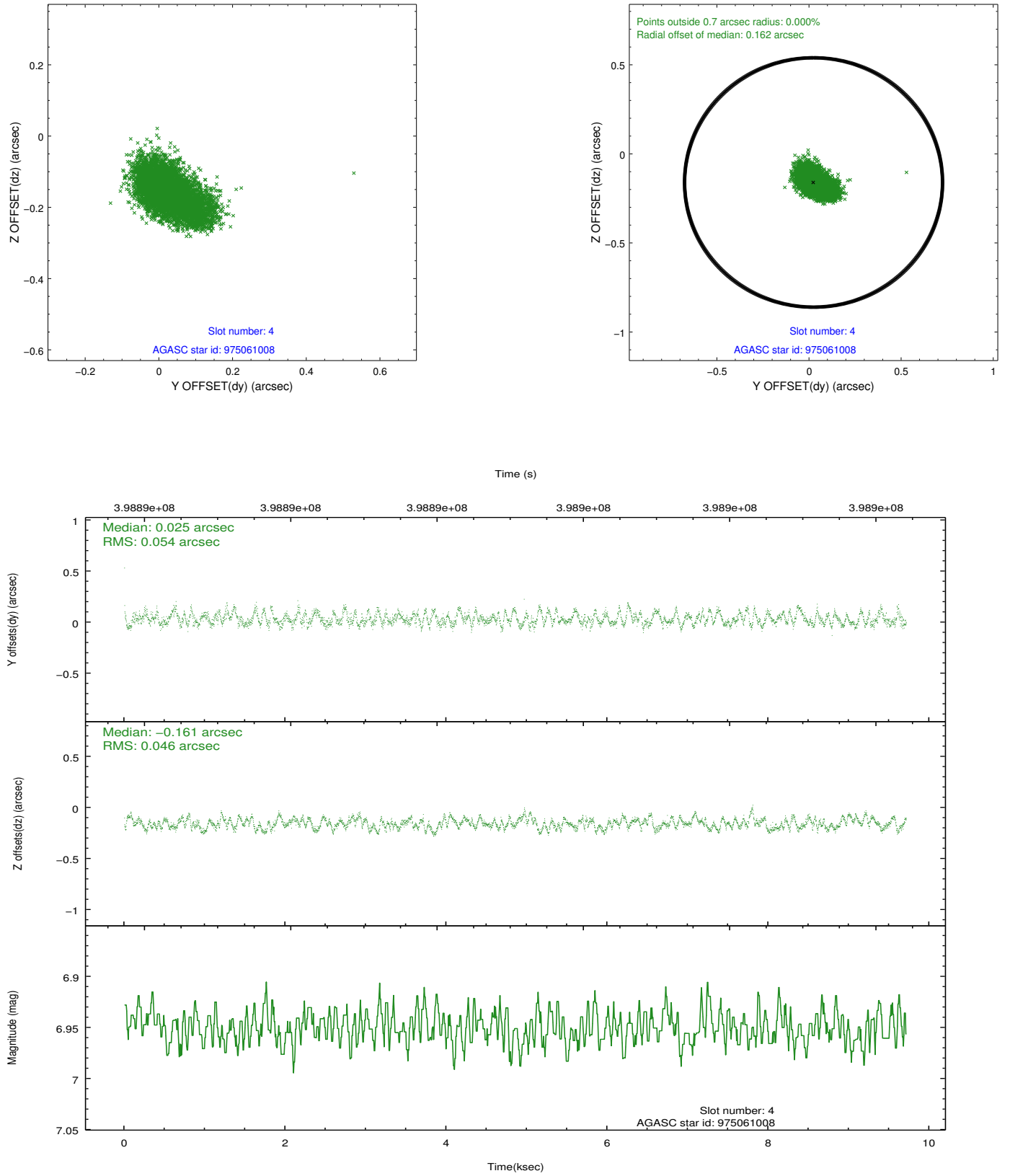
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.06	2369	0.036	-0.010	0.006	0.010	0.000000	0.000000	924.26	-838.69
1	FID	ACIS-I-5	7.05	2369	-0.224	0.036	0.006	0.012	0.000000	0.000000	-1823.82	1058.54
2	FID	ACIS-I-6	7.05	2368	0.097	0.044	0.006	0.011	0.000000	0.000000	389.24	1703.70
3	GUIDE	975053320	8.06	4738	-0.060	0.040	0.059	0.100	299.101471	-30.863129	1686.20	-2262.88
4	GUIDE	975061008	6.95	4739	0.025	-0.161	0.076	0.123	299.204684	-30.570186	864.21	-1529.43
5	GUIDE	975175704	7.89	4737	-0.228	0.094	0.065	0.104	299.308981	-30.199799	-208.72	-673.09
6	GUIDE	975184016	9.32	4703	0.167	0.039	0.115	0.177	299.484966	-30.759541	1848.46	-1031.22
7	GUIDE	975186368	8.59	4737	0.093	-0.016	0.090	0.145	299.456356	-30.910074	2302.10	-1340.86

2.4 Star Slots

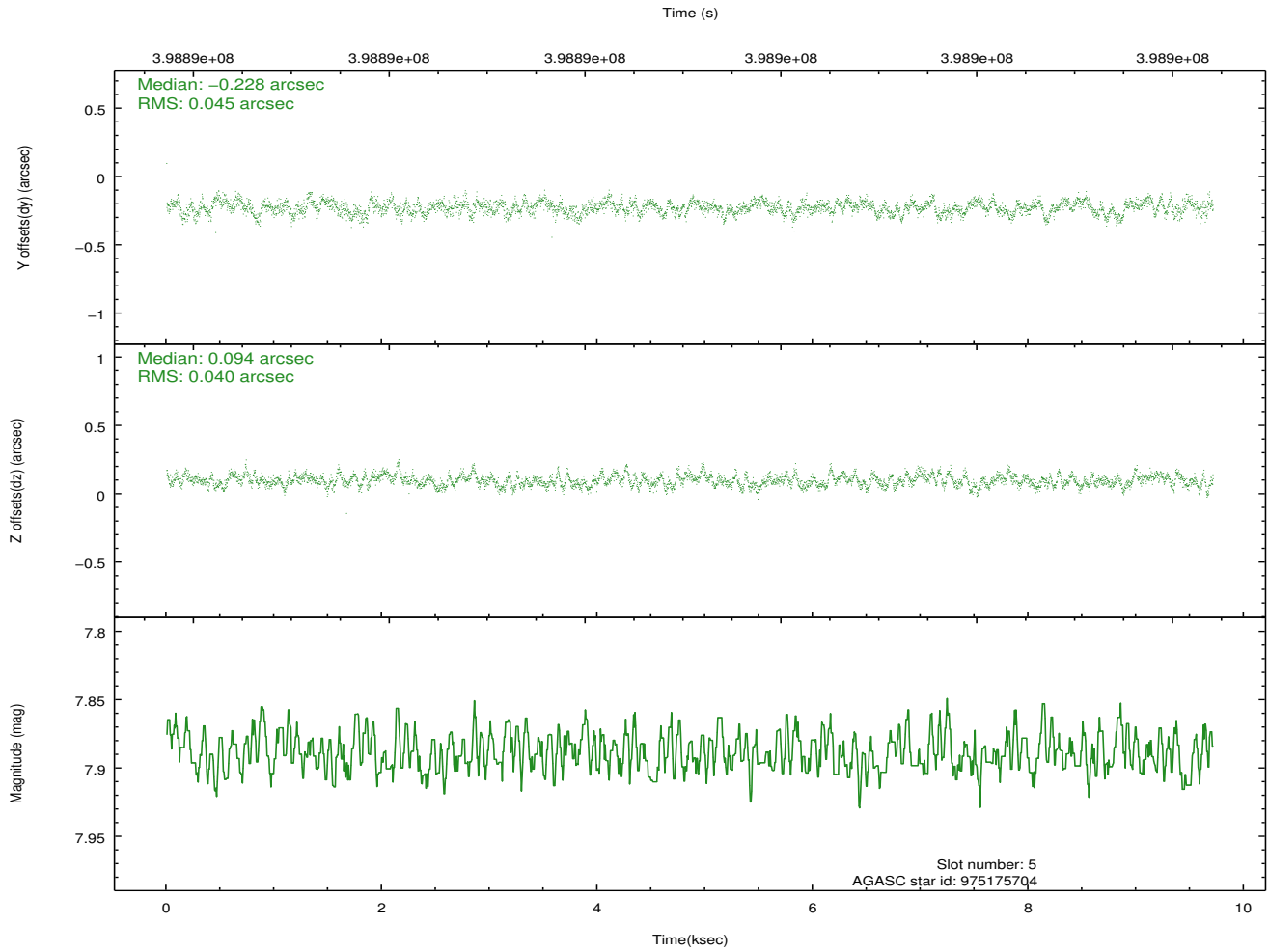
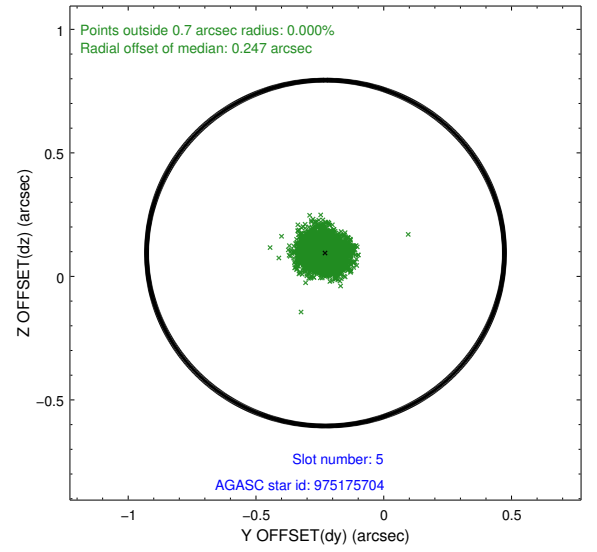
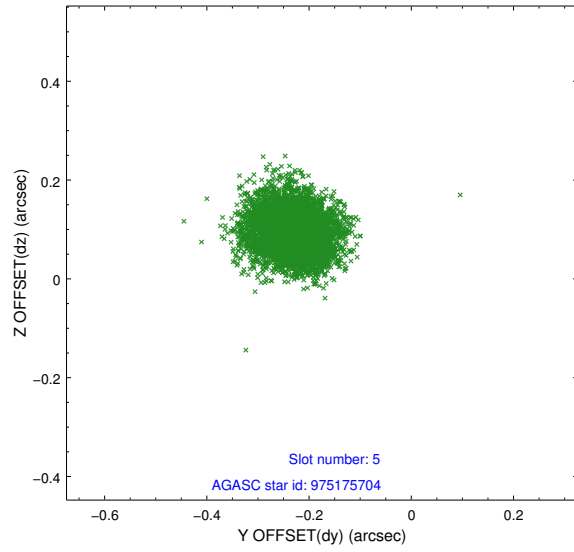
2.4.1 Slot 3



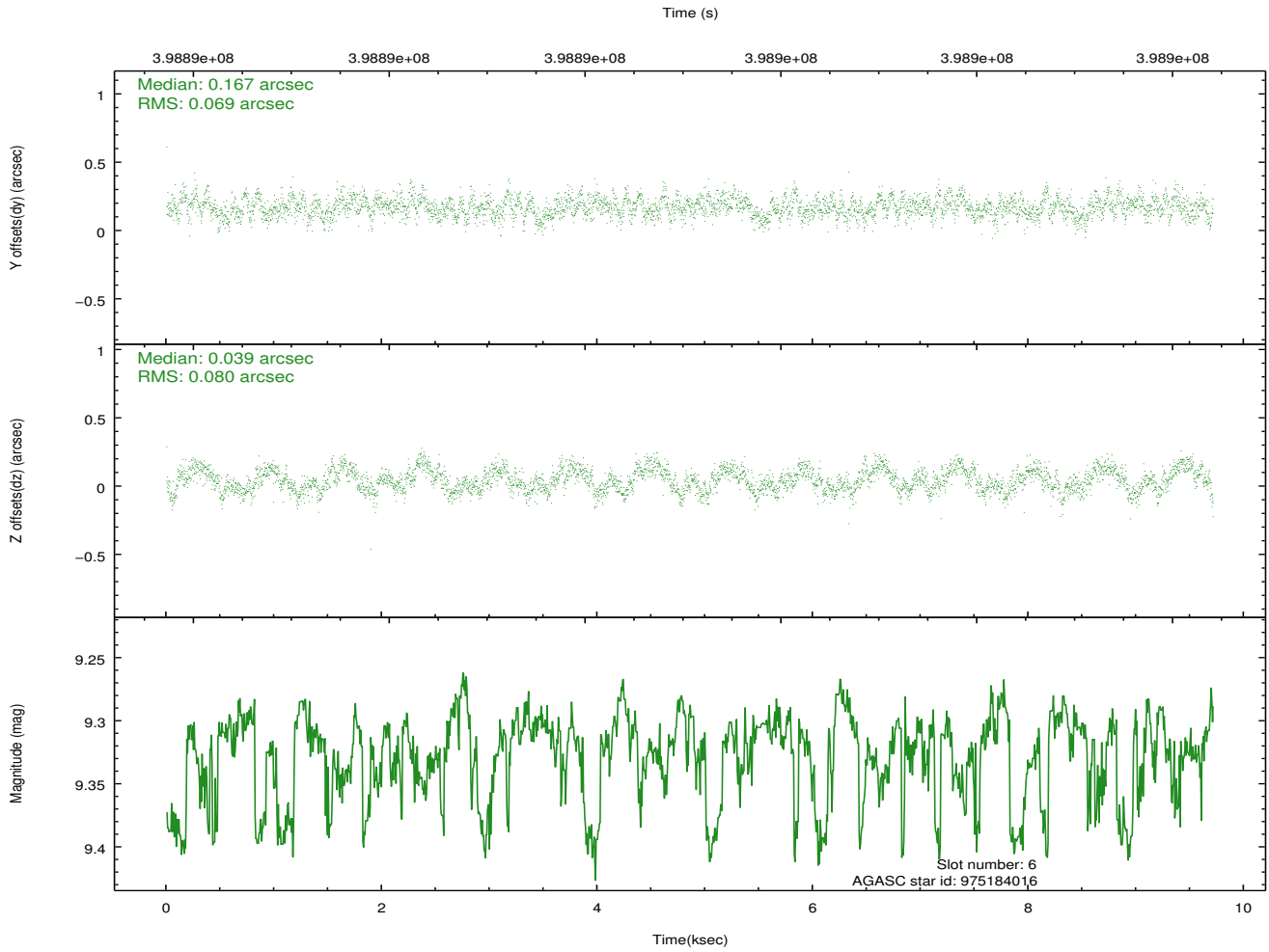
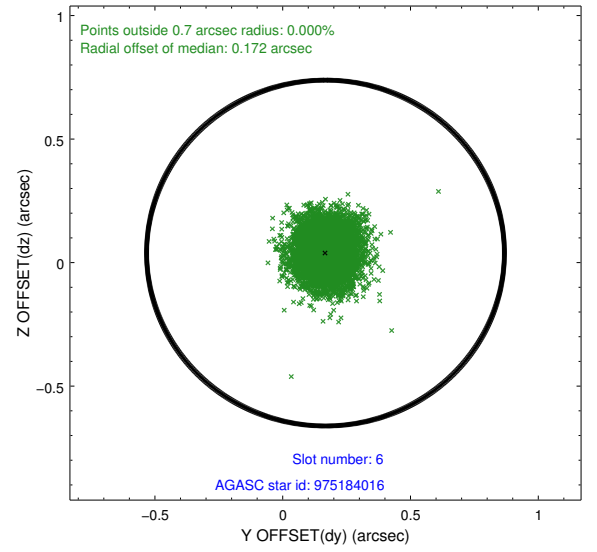
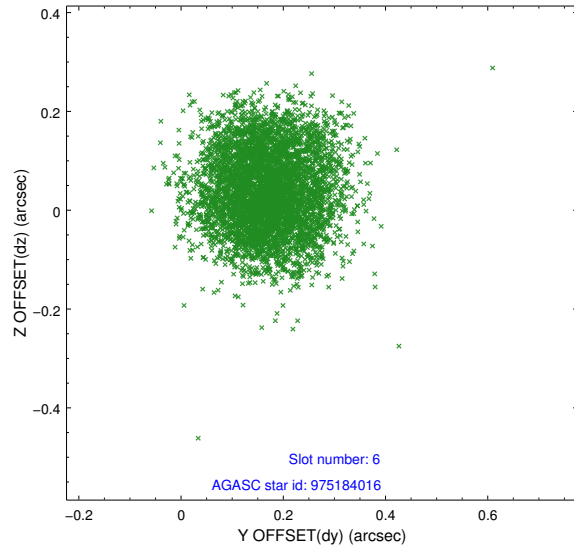
2.4.2 Slot 4



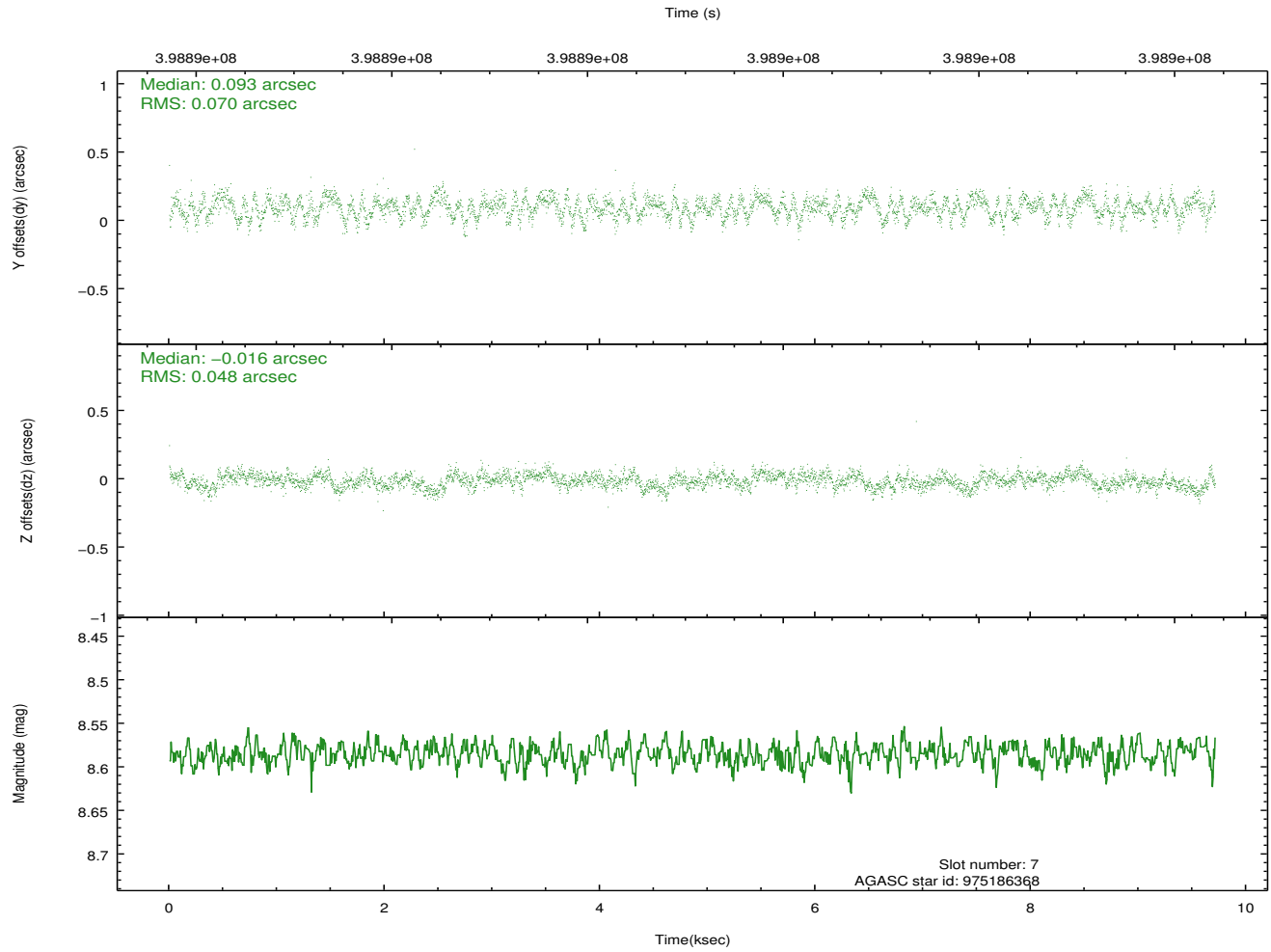
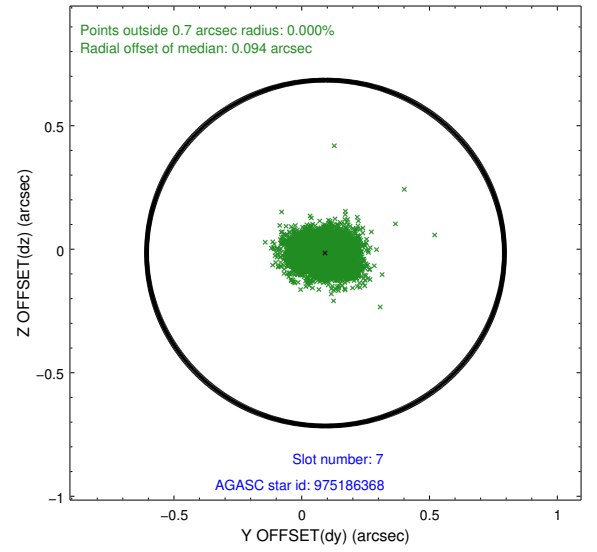
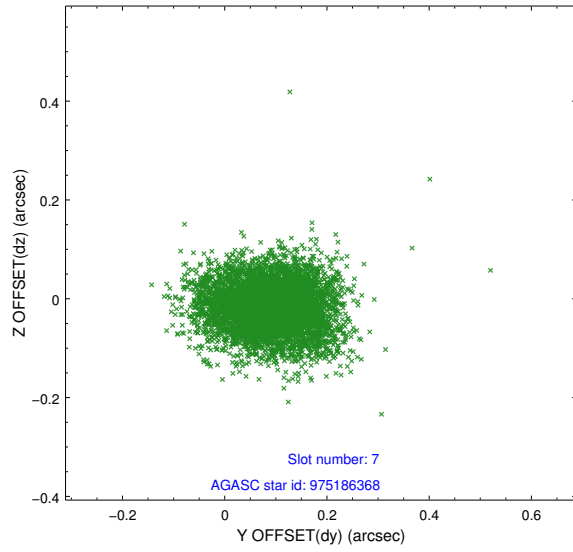
2.4.3 Slot 5



2.4.4 Slot 6

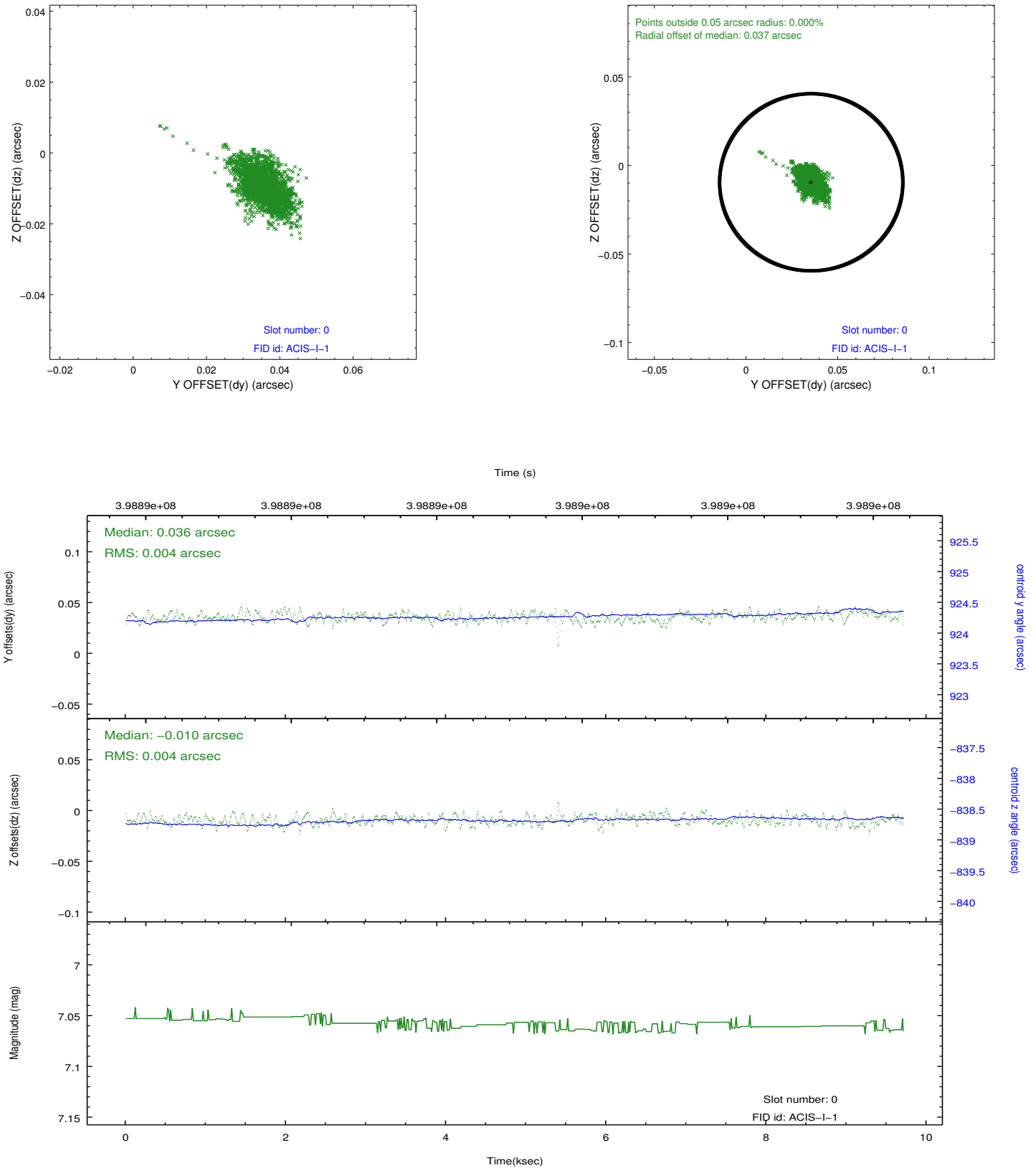


2.4.5 Slot 7

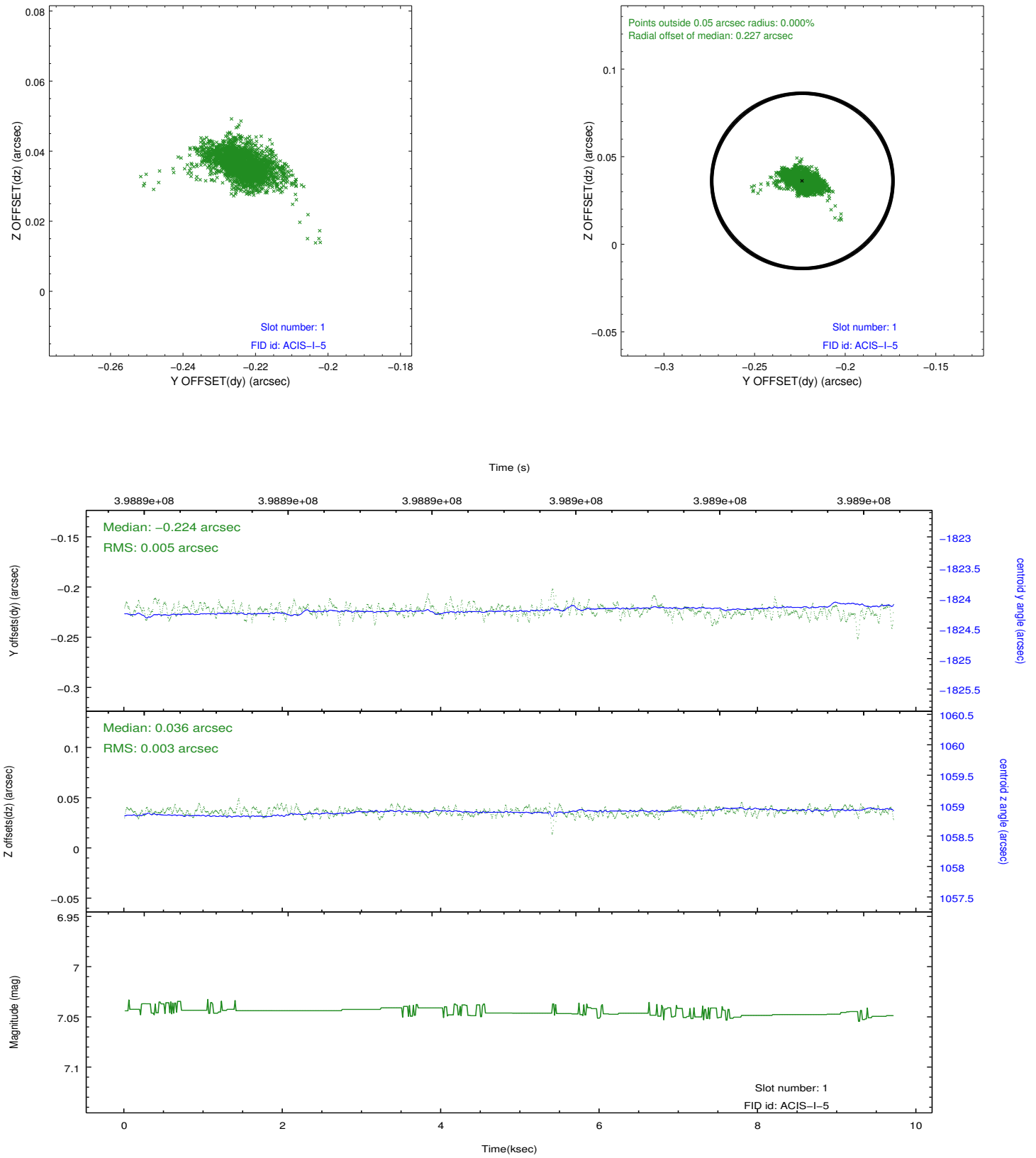


2.5 FID Slots

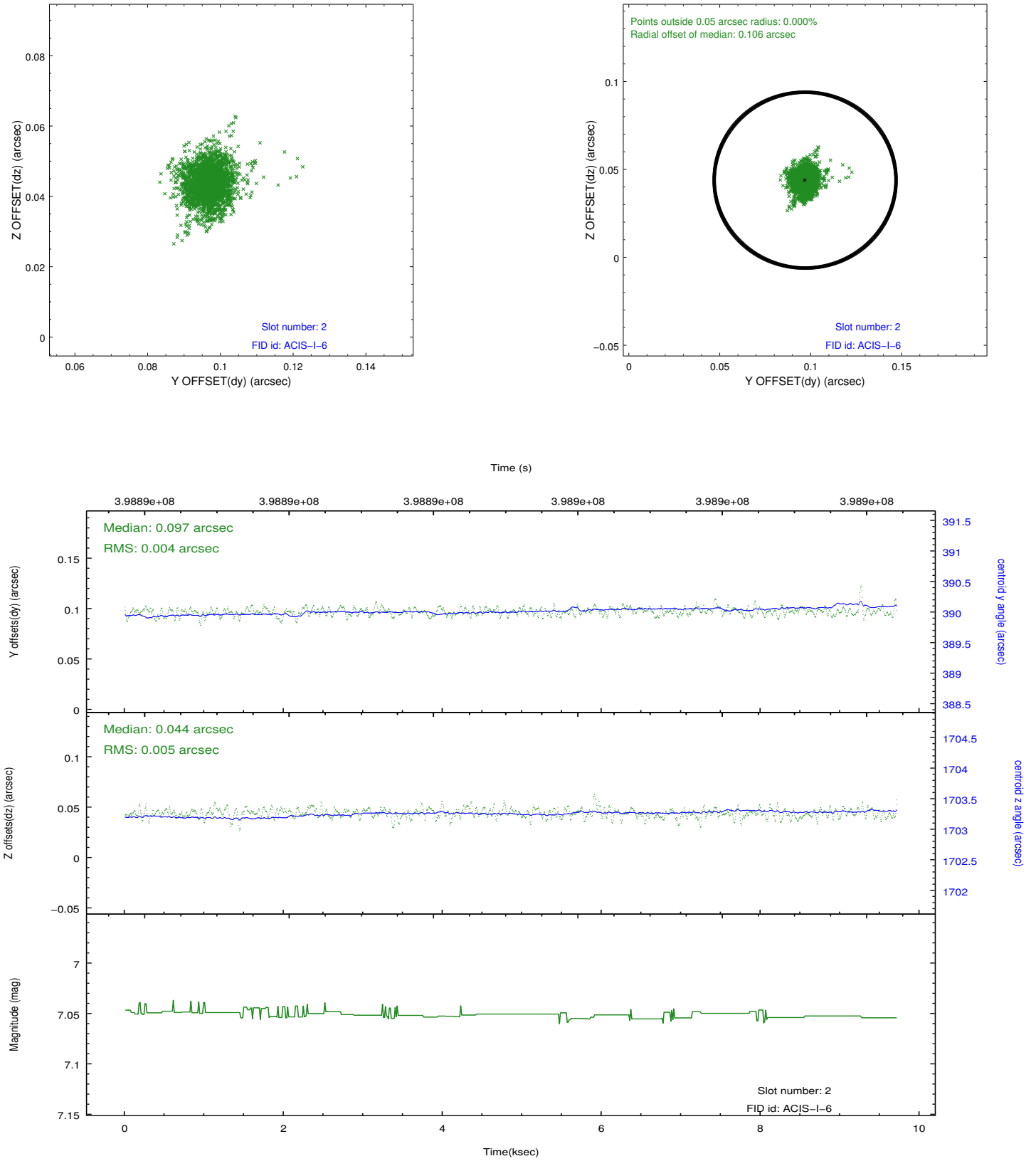
2.5.1 Slot 0



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)	2012.07.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.5809943839908

A.2 Comments