

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7861 - L2 Version 2
Chandra X-Ray Center

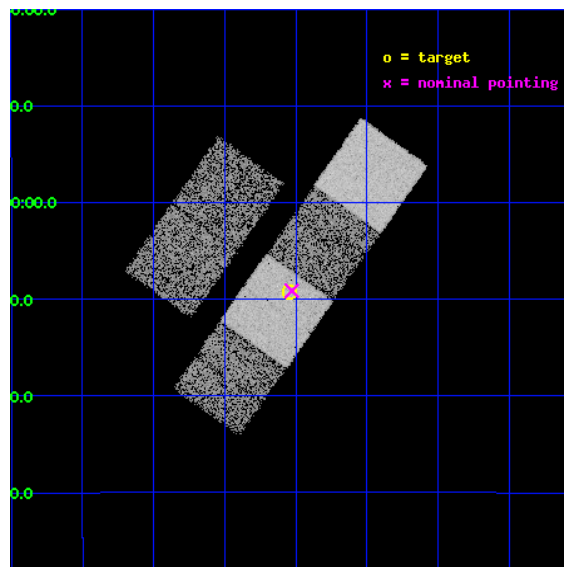
L2 Processing Date : Apr 26 2012

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1 Front

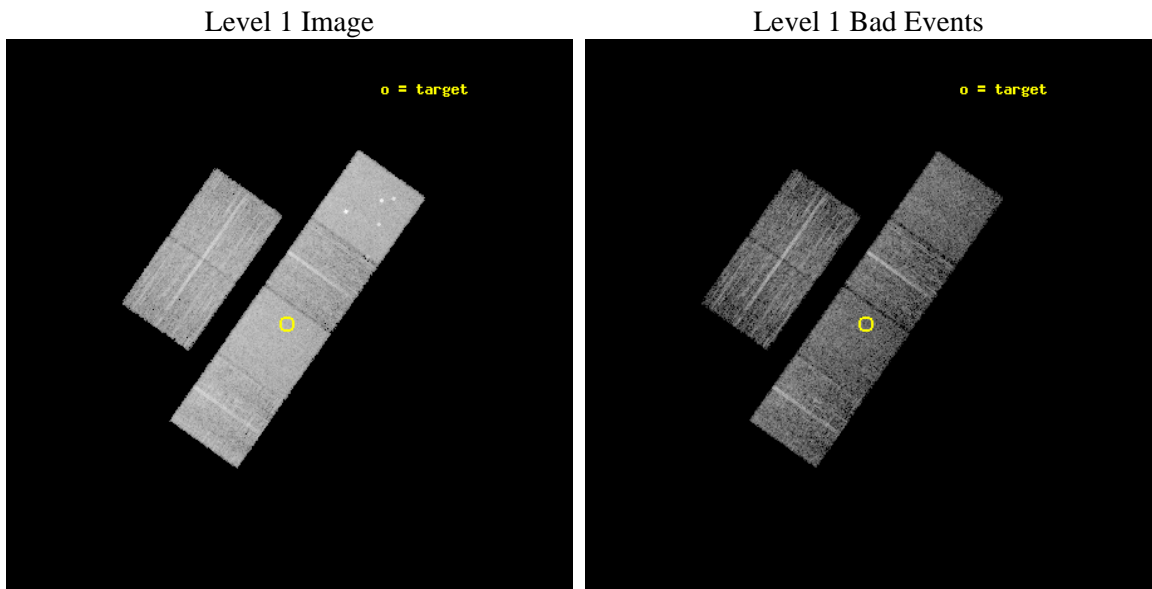
seq_num	701525	Sequence number
obs_id	7861	Observation id
title	Demographics of black holes in the local Universe.	Proposal title
observer	Prof. Smita Mathur	Principal investigator
object	NGC 991	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	38.88625	Observer's specified target RA [deg]
dec_targ	-7.154417	Observer's specified target Dec [deg]
ra_nom	38.881742642881	Nominal RA [deg]
dec_nom	-7.1525426424209	Nominal Dec [deg]
roll_nom	125.15045310045	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5113.59998101	Sum of GTIs [s]
liveltime	5048.8484990102	Livetime [s]
ontime2	5113.59998101	Sum of GTIs [s]
ontime3	5113.59998101	Sum of GTIs [s]
ontime5	5113.59998101	Sum of GTIs [s]
ontime6	5113.59998101	Sum of GTIs [s]
ontime7	5113.59998101	Sum of GTIs [s]
ontime8	5113.59998101	Sum of GTIs [s]
l2events	80892	Number of level 2 events



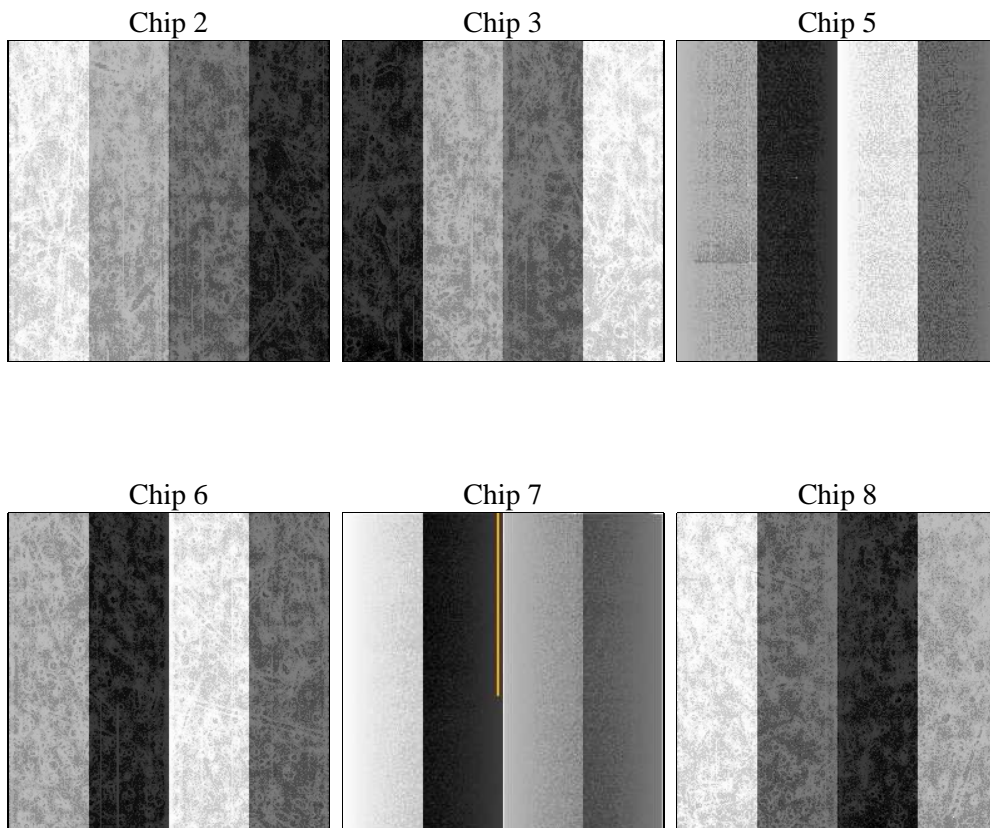
2 OBI

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	8.4.4	Processing system revision	ontime	5113.59998101	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	5113.59998101	Sum of GTIs [s]
date	2012-04-26T13:00:10	Date and time of file creation	ontime3	5113.59998101	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5113.59998101	Sum of GTIs [s]
			ontime6	5113.59998101	Sum of GTIs [s]
			ontime7	5113.59998101	Sum of GTIs [s]
			ontime8	5113.59998101	Sum of GTIs [s]
			l1events	357665	Number of level 1 events

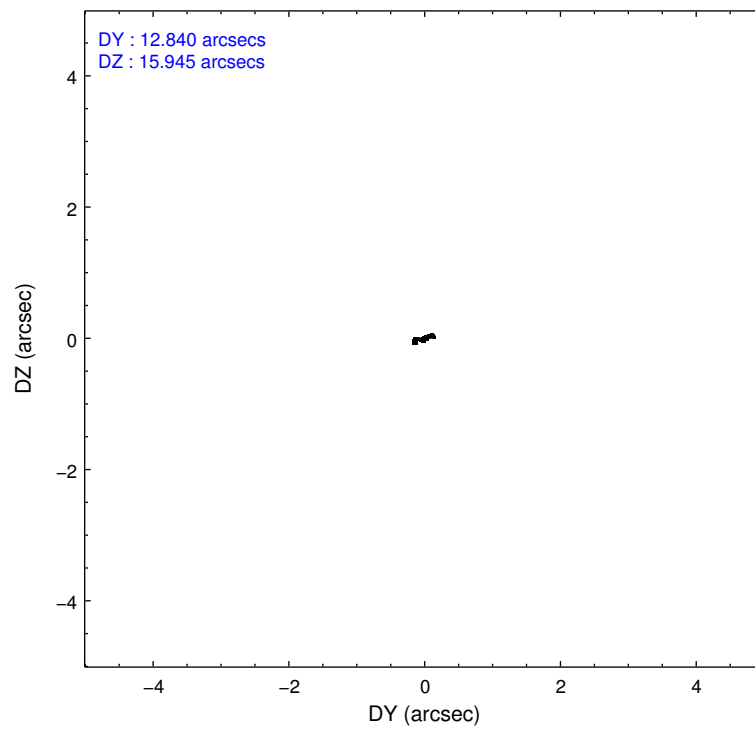
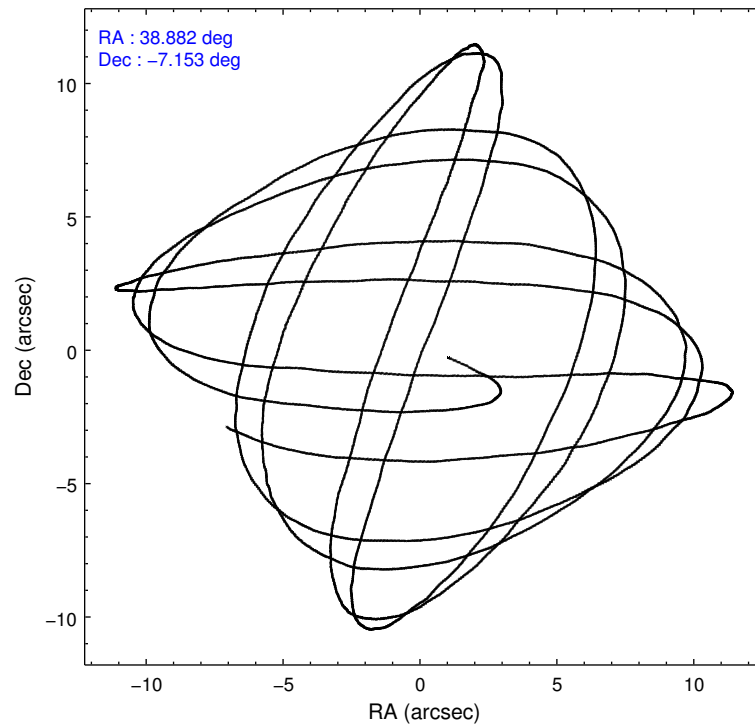
2.1.4 Events

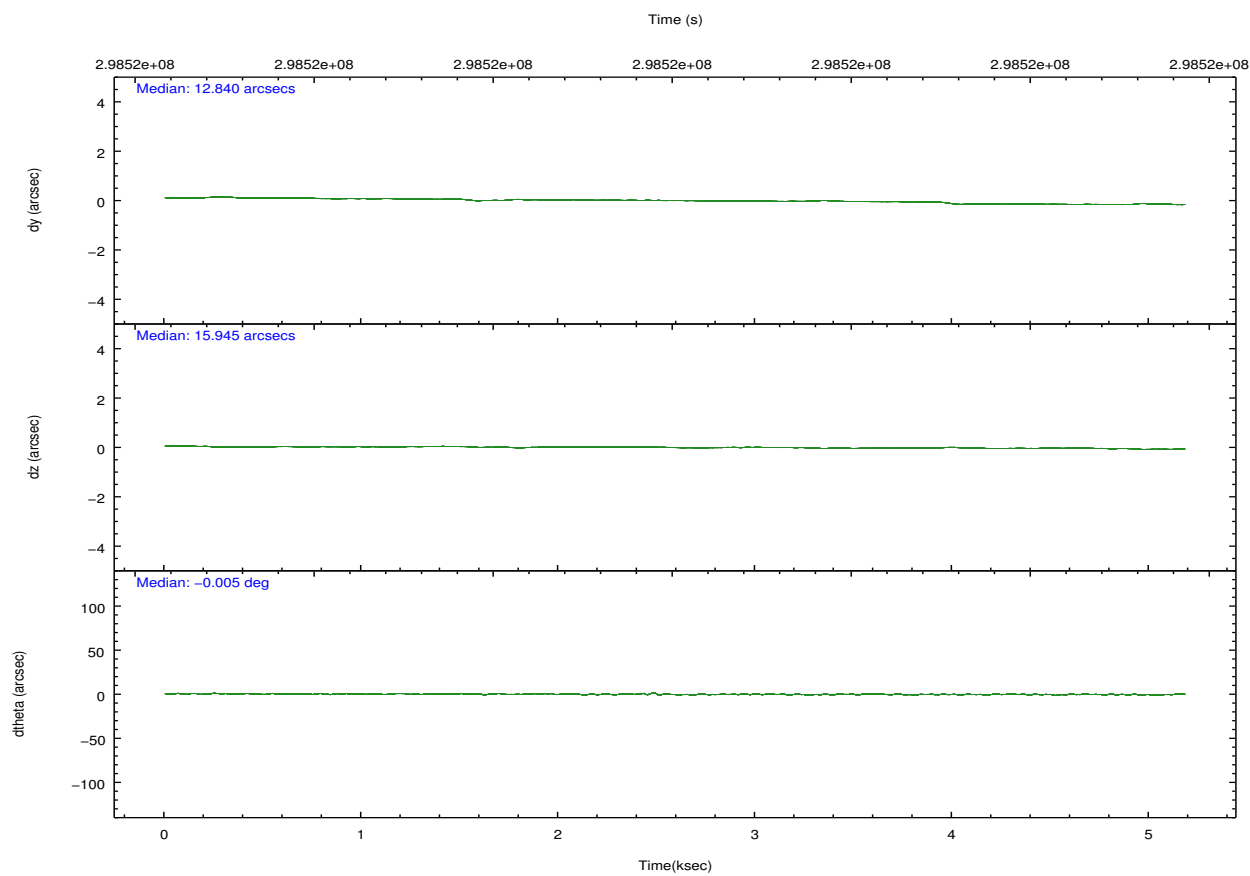
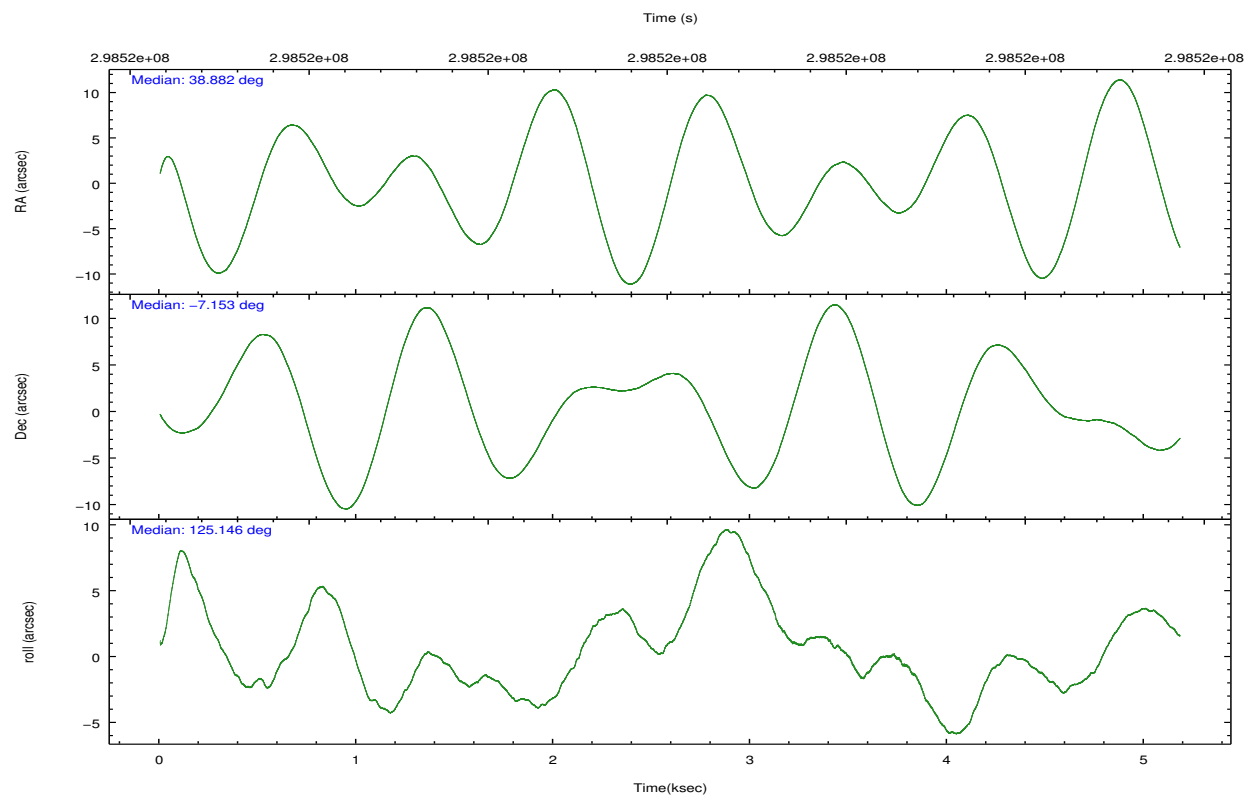
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	51938	48282	77458	49341	67609	63037	grade 0 events	2580	2578	5071	2277	2495	4335
rejected events	46062	42540	41089	43384	39422	48556		4%	5%	6%	4%	3%	6%
rejected %	88%	88%	53%	87%	58%	77%	grade 1 events	40	36	128	26	69	44
								0%	0%	0%	0%	0%	0%
							grade 2 events	1274	1134	10376	1307	5668	3309
								2%	2%	13%	2%	8%	5%
							grade 3 events	526	514	1256	570	2405	1532
								1%	1%	1%	1%	3%	2%
							grade 4 events	555	532	1206	572	2394	1366
								1%	1%	1%	1%	3%	2%
							grade 5 events	1947	2212	5373	2221	6457	2996
								3%	4%	6%	4%	9%	4%
							grade 6 events	943	990	18481	1235	15239	3970
								1%	2%	23%	2%	22%	6%
							grade 7 events	44073	40286	35567	41133	32882	45485
								84%	83%	45%	83%	48%	72%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	38.906924	38.88174264288082	Subarray requested	NONE	NONE
[deg] Pointing Dec	-7.163660	-7.152542642420862	Alternating exposures requested	N	N
[deg] Pointing Roll	124.996994	125.1504531004511	[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)	298519610.184000	298518568.55888			
Observation start date	2007-06-18T02:05:45	2007-06-18T01:49:28			
[s] Observation end time (MET)	298524610.184000	298524980.44669			
Observation end date	2007-06-18T03:29:05	2007-06-18T03:36:20			
Read mode	TIMED	TIMED			

2.3 Aspect



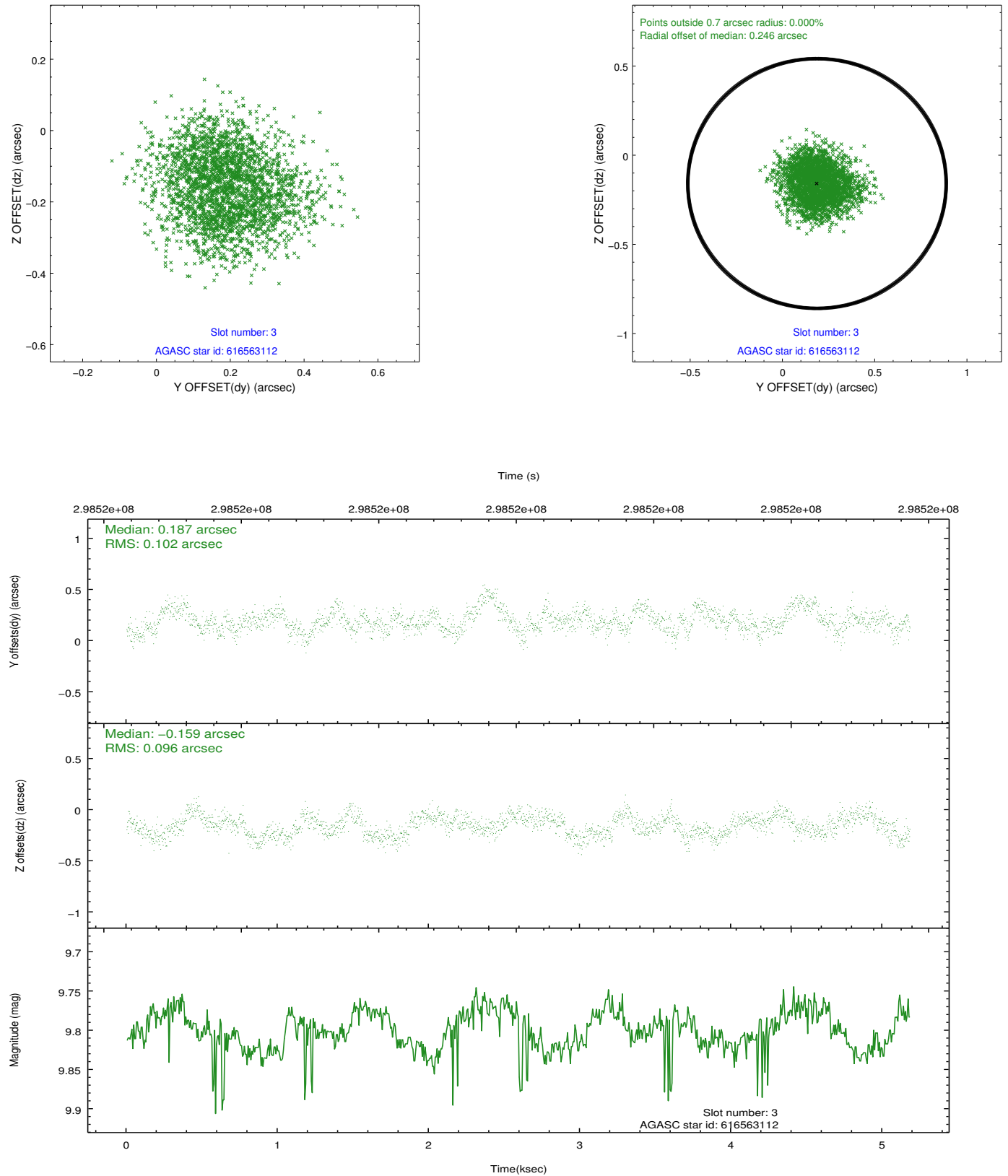


Slot Statistics

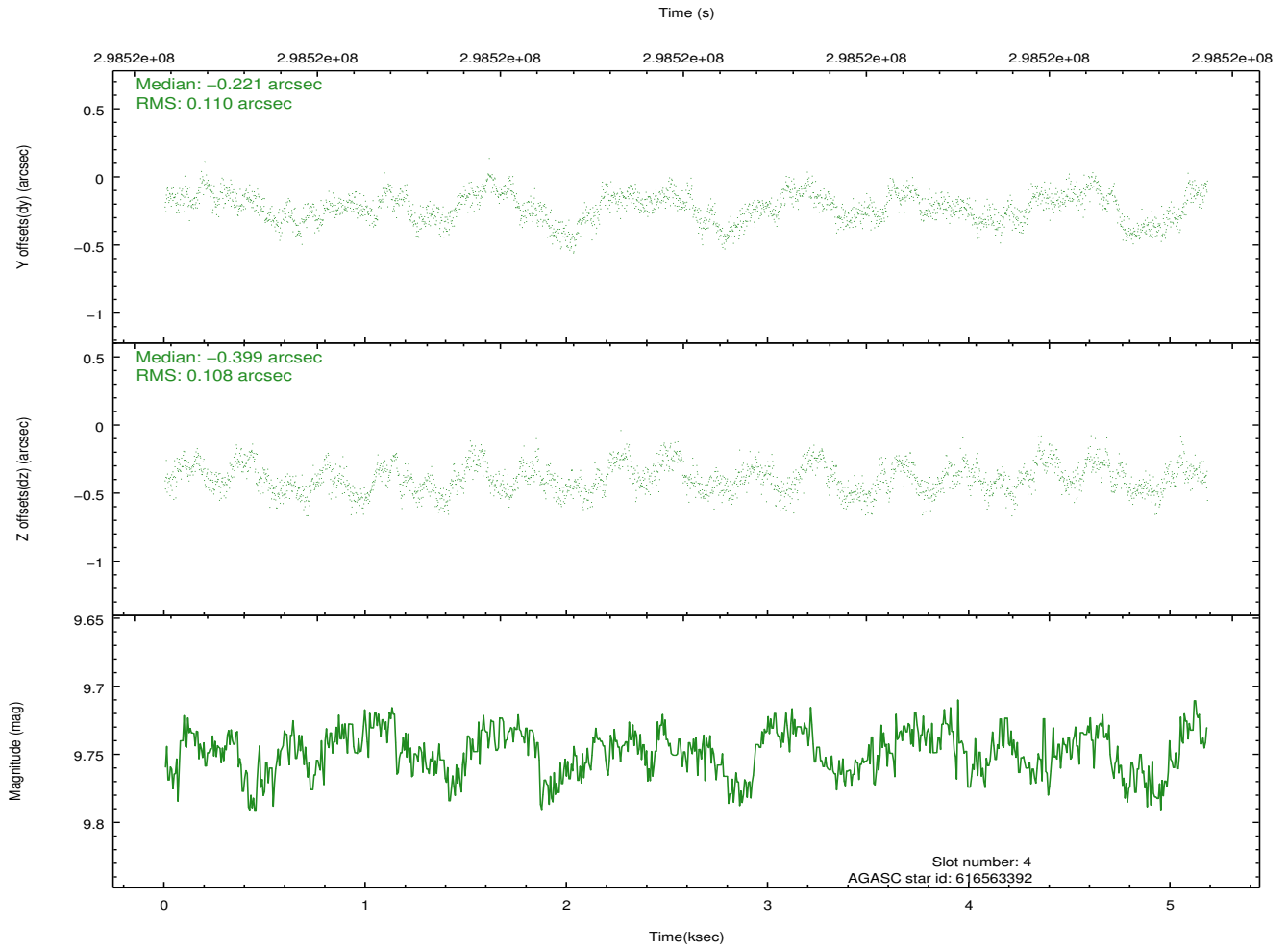
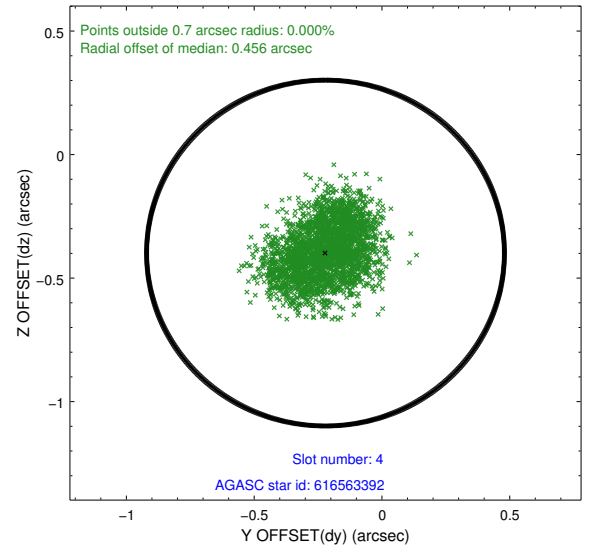
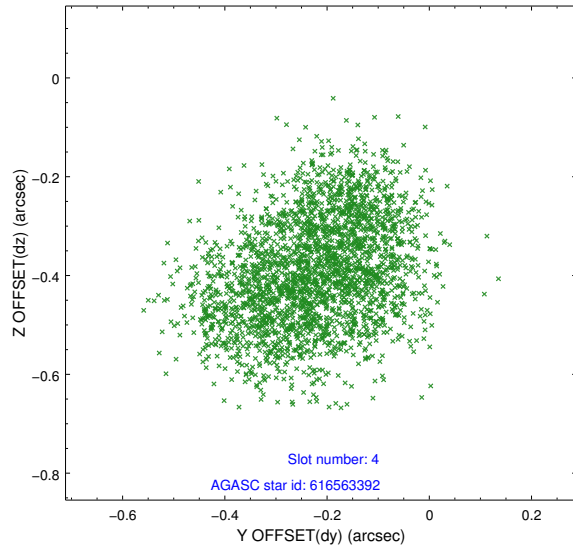
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1264	-0.045	-0.032	0.011	0.016	0.000000	0.000000	-765.76	-1737.34
1	FID	ACIS-S-4	7.19	1264	0.167	0.030	0.010	0.016	0.000000	0.000000	2147.17	170.03
2	FID	ACIS-S-5	7.22	1264	-0.153	0.010	0.010	0.015	0.000000	0.000000	-1817.24	164.96
3	GUIDE	616563112	9.80	2525	0.187	-0.159	0.150	0.235	38.297656	-6.873359	2104.23	1185.43
4	GUIDE	616563392	9.75	2524	-0.221	-0.399	0.168	0.252	38.494251	-7.399794	148.77	1694.89
5	GUIDE	616564560	10.49	2522	0.172	0.240	0.316	0.502	39.581659	-7.058164	-1072.32	-2190.76
6	GUIDE	616570176	9.63	2524	-0.229	0.359	0.112	0.178	38.944508	-6.679828	1349.47	-1109.48
7	GUIDE	692716704	8.83	2526	0.096	-0.030	0.140	0.228	38.765396	-7.719156	-1347.98	1560.16

2.4 Star Slots

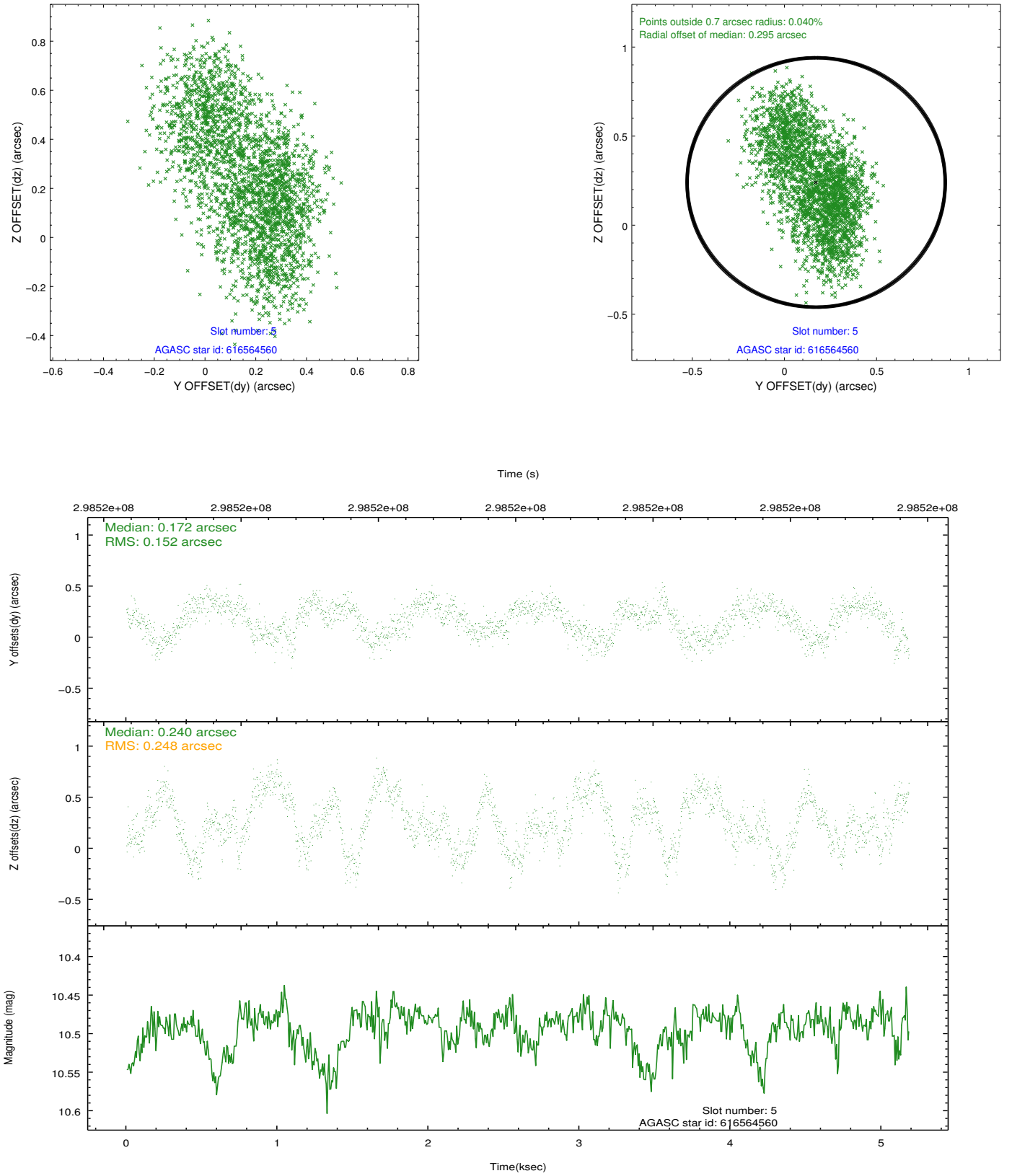
2.4.1 Slot 3



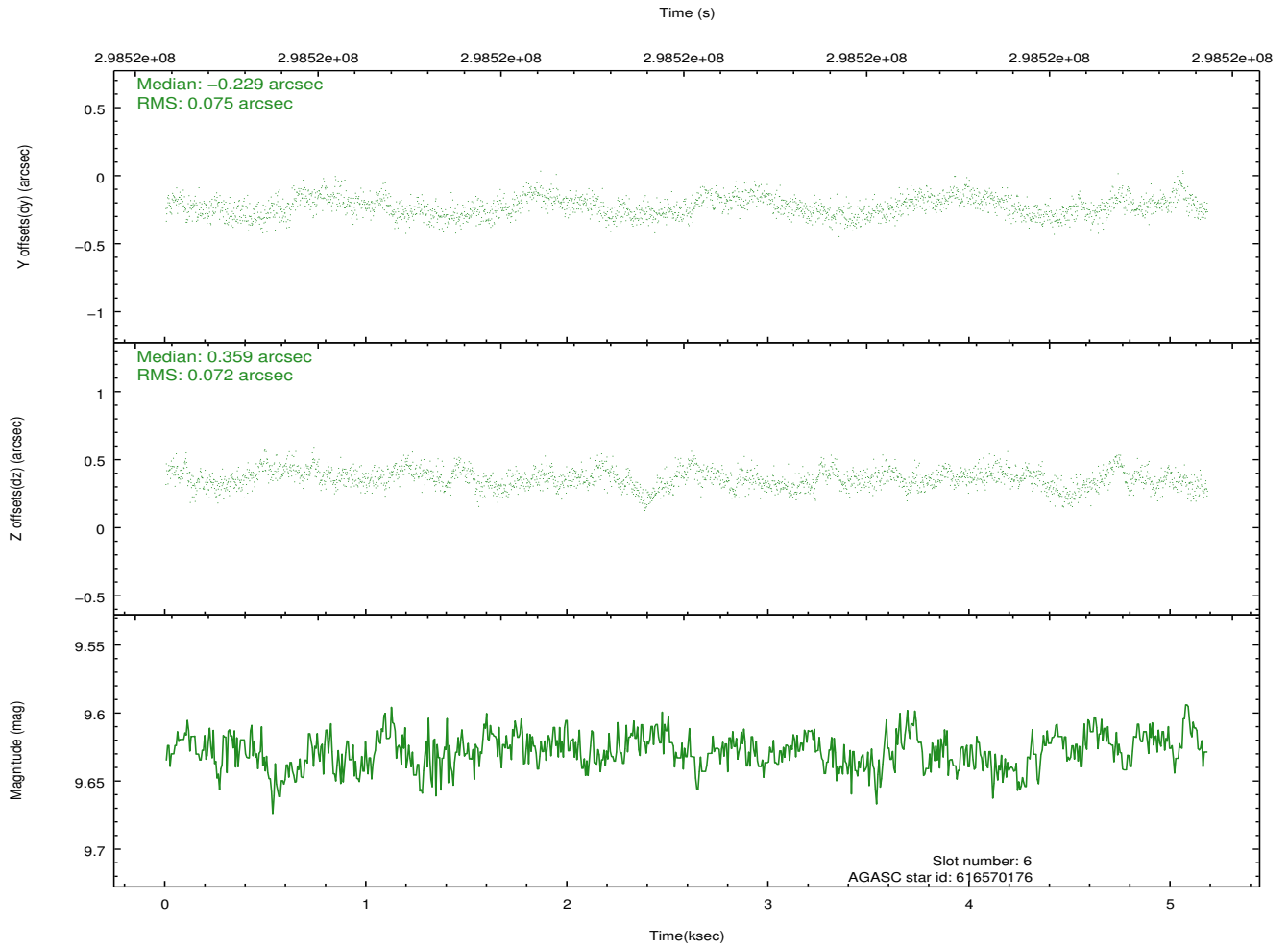
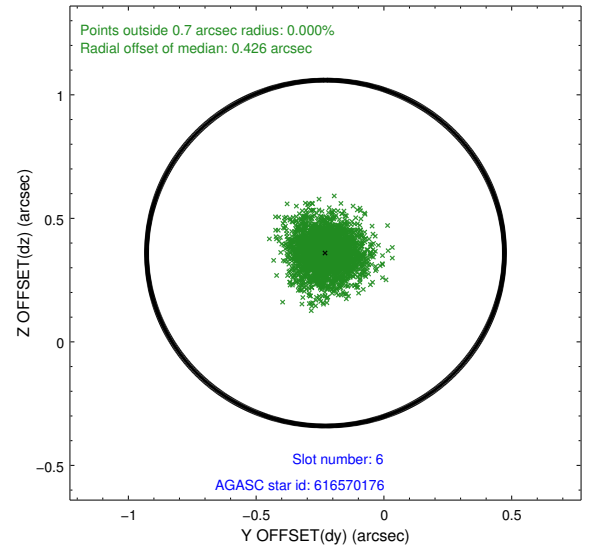
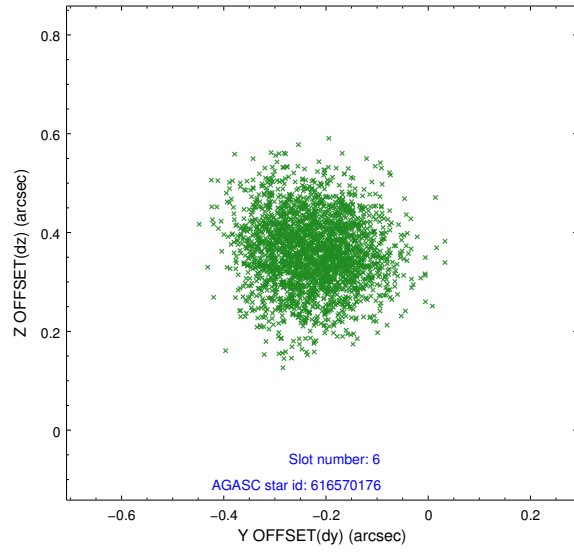
2.4.2 Slot 4



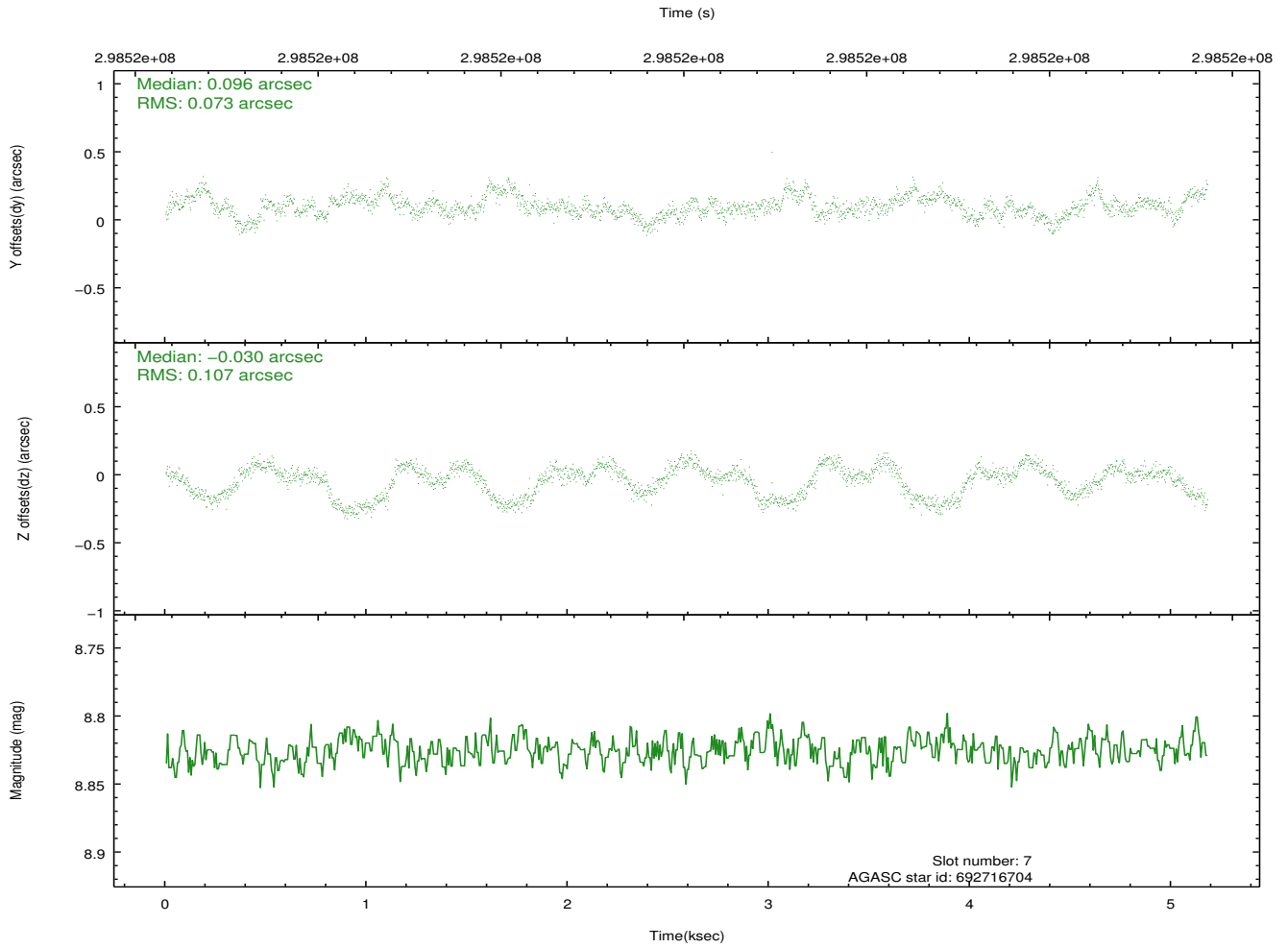
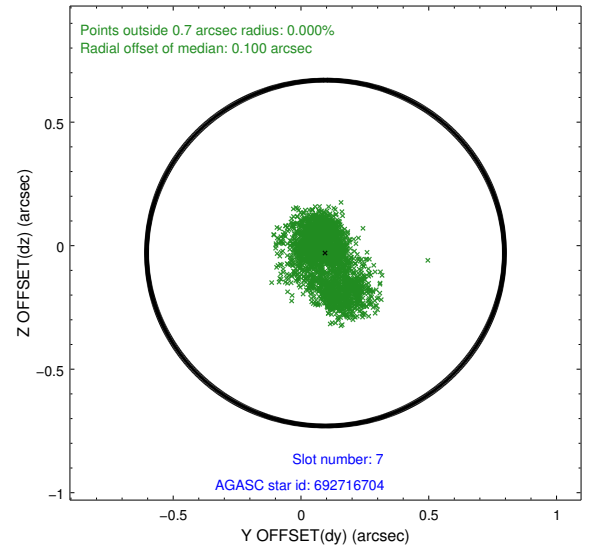
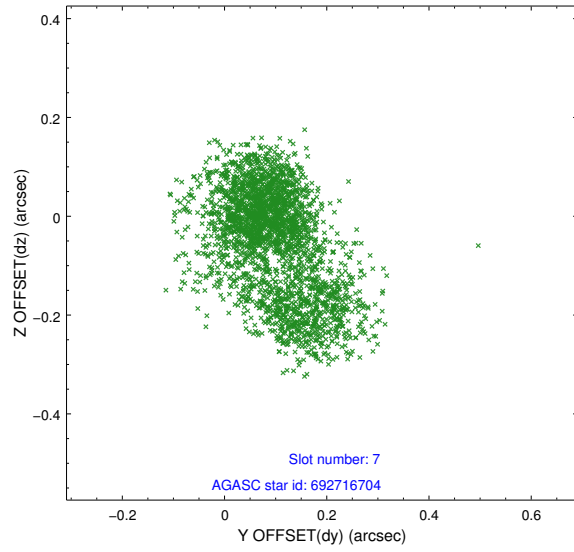
2.4.3 Slot 5



2.4.4 Slot 6

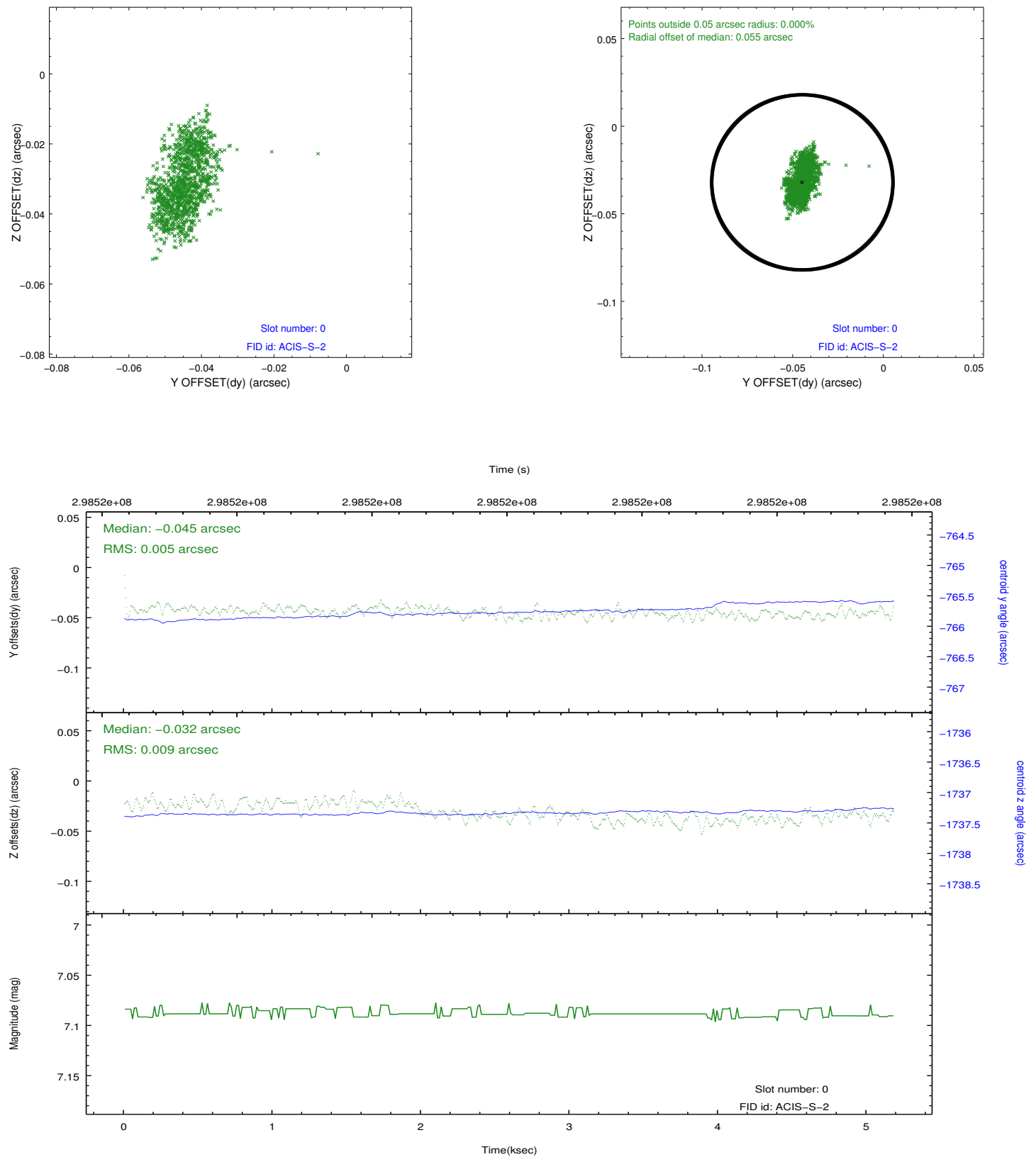


2.4.5 Slot 7

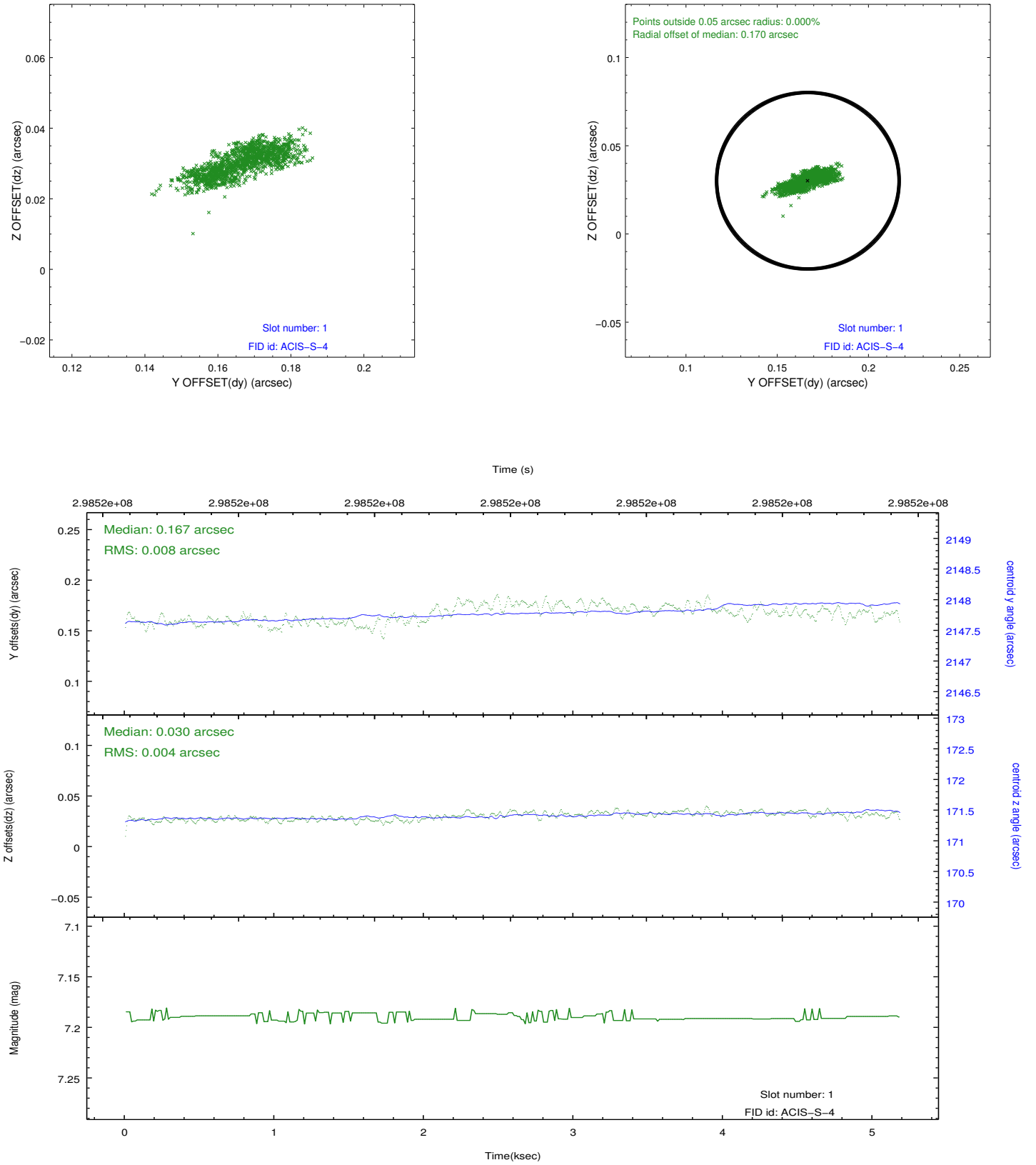


2.5 FID Slots

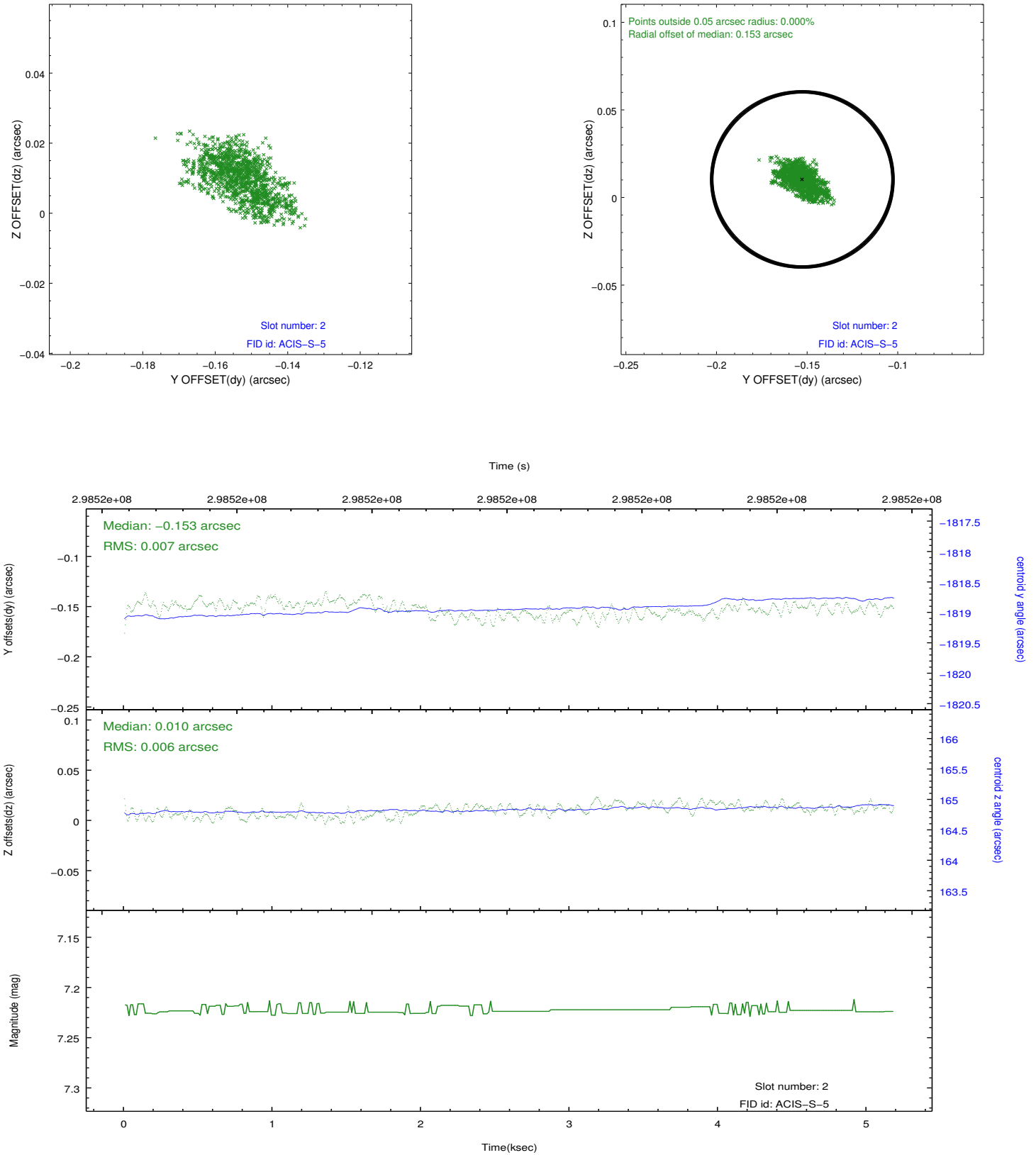
2.5.1 Slot 0



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)	2012.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.11359998

A.2 Comments