

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5434 - L2 Version 002
Chandra X-Ray Center

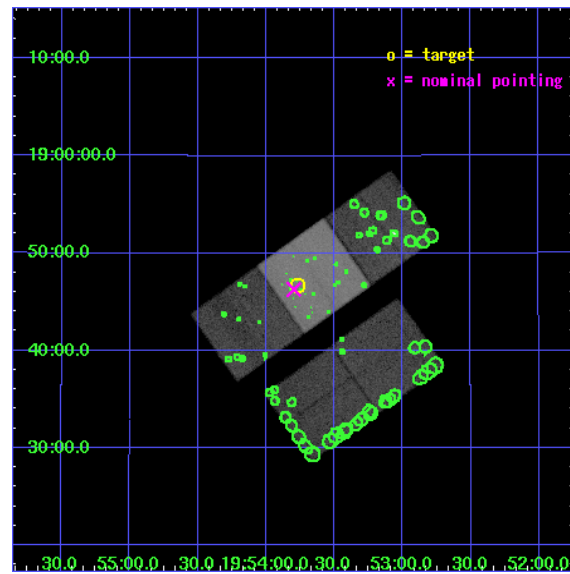
L2 Processing Date : Apr 7 2006

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1 Front

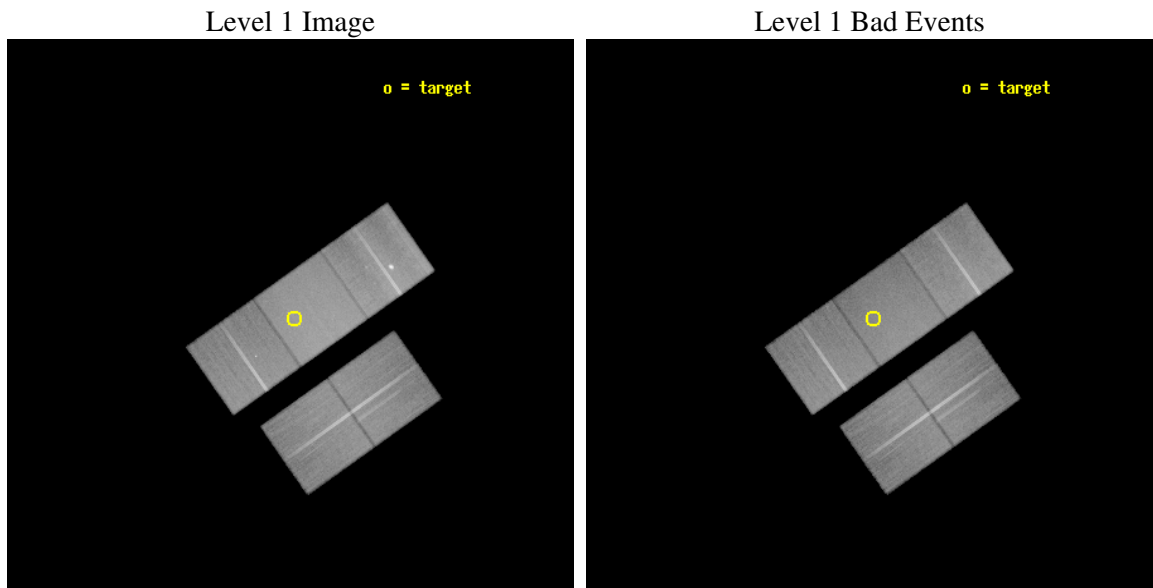
seq_num	300150
obs_id	5434
title	Sensitive X-ray surveys of the nearby globular clusters NGC 6544, NGC 6838 (M71), and NGC 6656 (M22)
observer	Dr. Ronald Elsner
object	NGC 6838 (M71)
dtcycle	0
cycle	P
ra_targ	298.442083
dec_targ	18.778389
ra_nom	298.44923711234
dec_nom	18.771514038489
roll_nom	324.69872229796
revision	2
ontime	53140.199897826
livetime	52445.884064915
ontime2	53133.917947382
ontime3	53127.635967106
ontime6	53130.776977181
ontime7	53140.199897826
ontime8	53130.776987165
l2events	399834



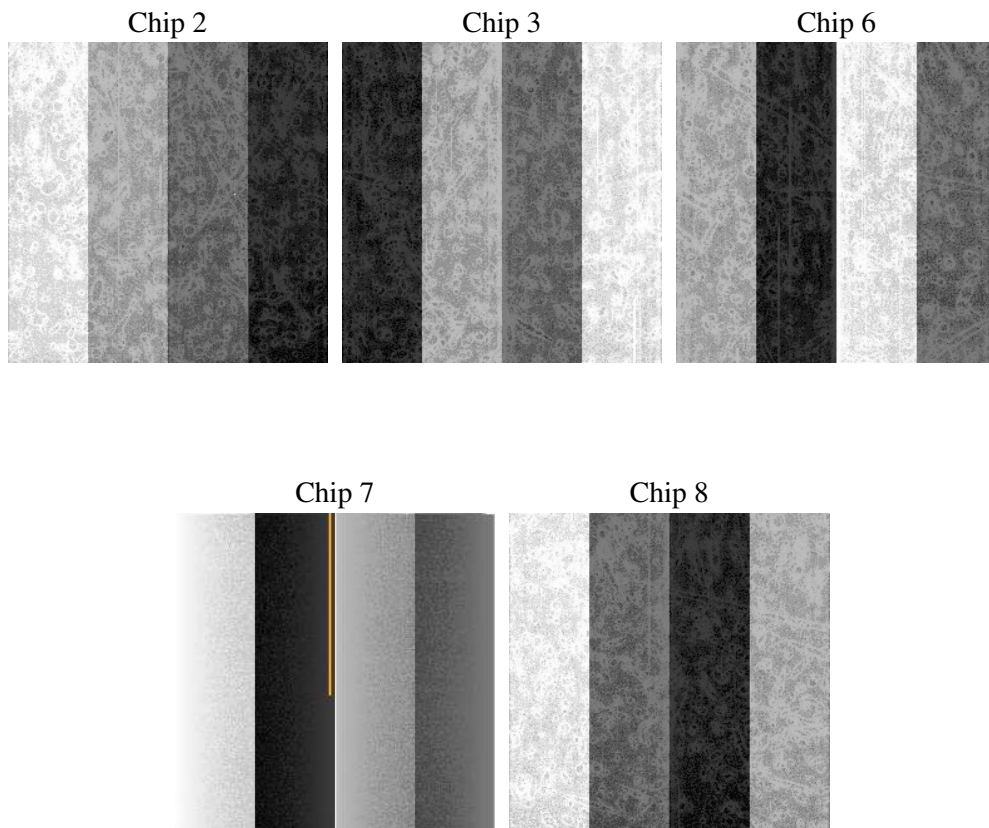
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-07T09:38:24
revision	2

sched_exp_time	53000.000000
ontime	54515.215165615
ontime2	54508.933185279
ontime3	54502.651234895
ontime6	54505.792215079
ontime7	54515.215165615
ontime8	54505.792254955
l1events	2432122

2.1.4 Events

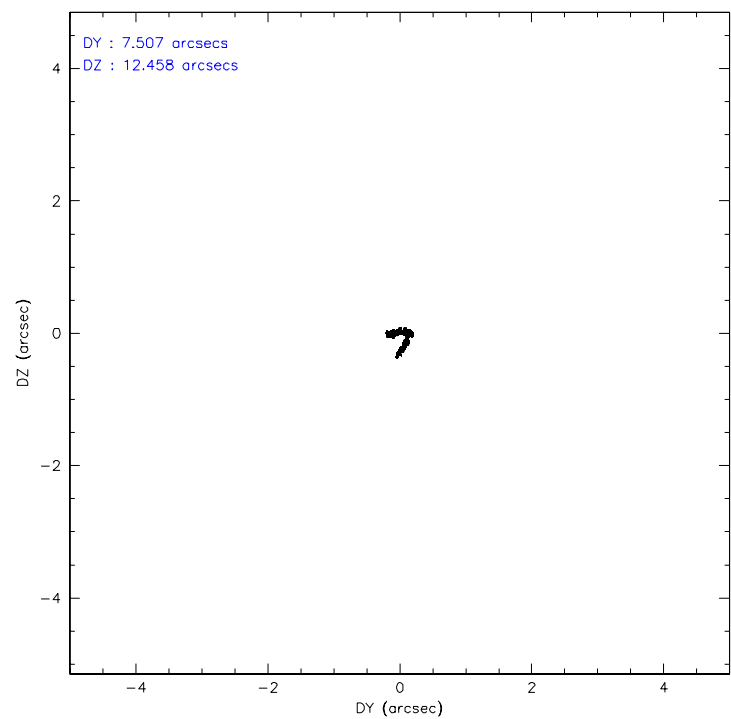
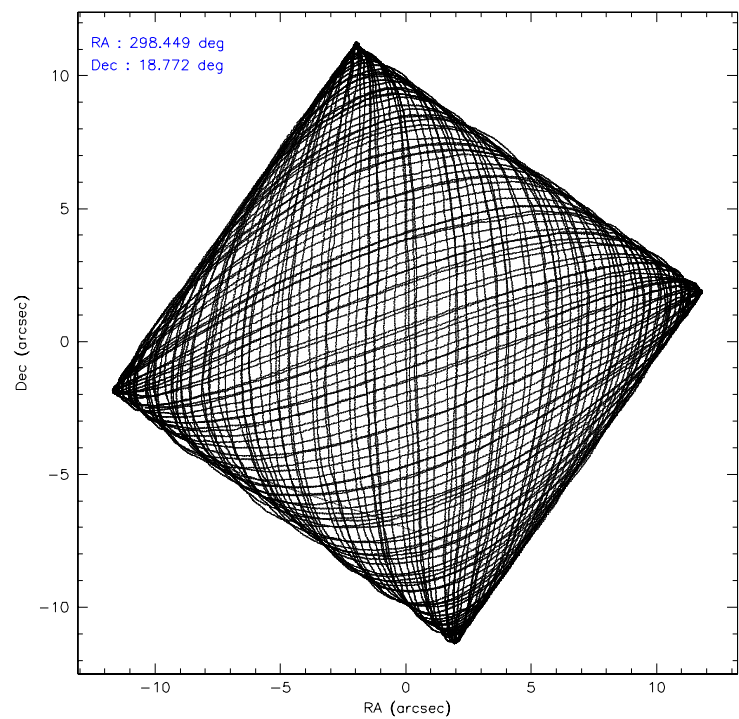
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	428349	419920	440469	584913	558471
rejected events	379326	372043	390087	367972	436473
rejected %	88%	88%	88%	62%	78%

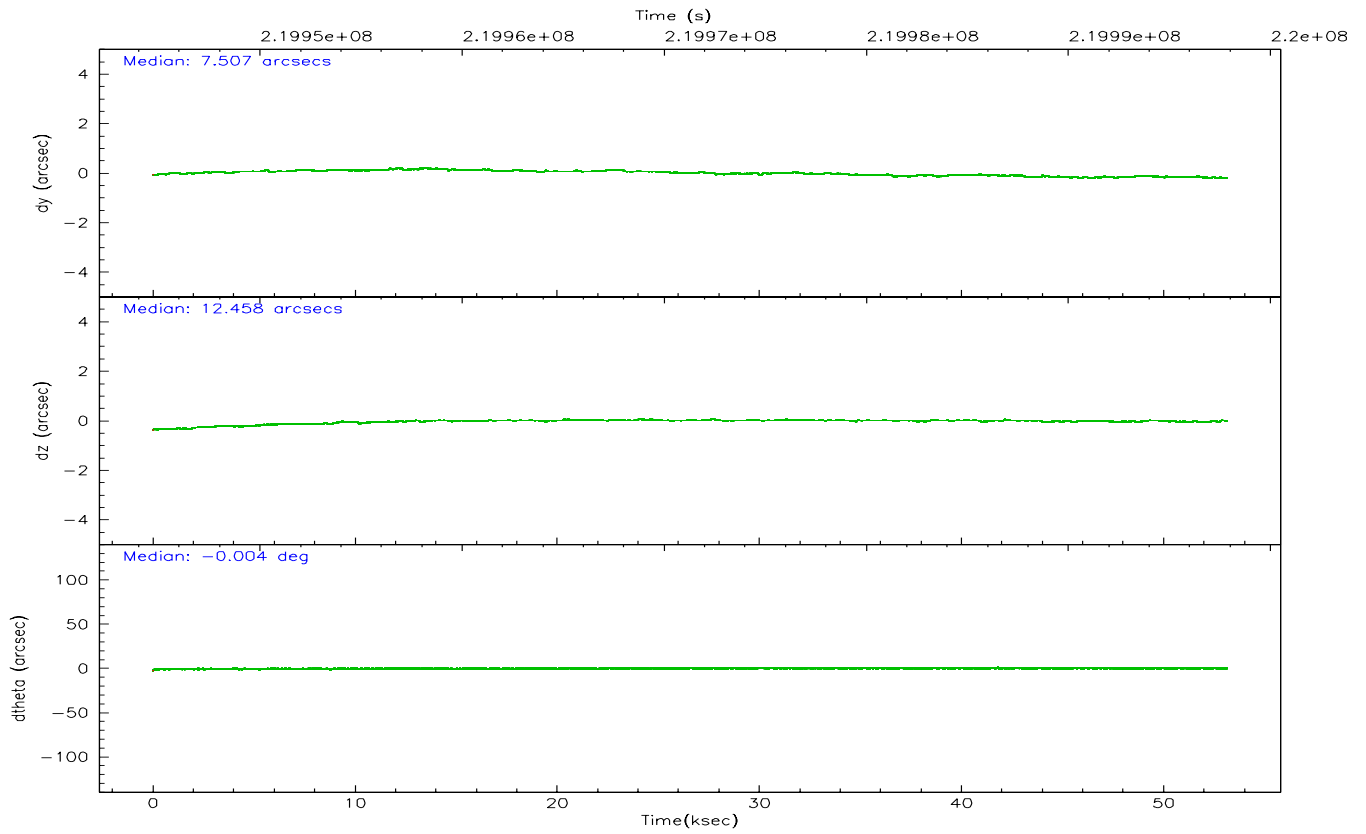
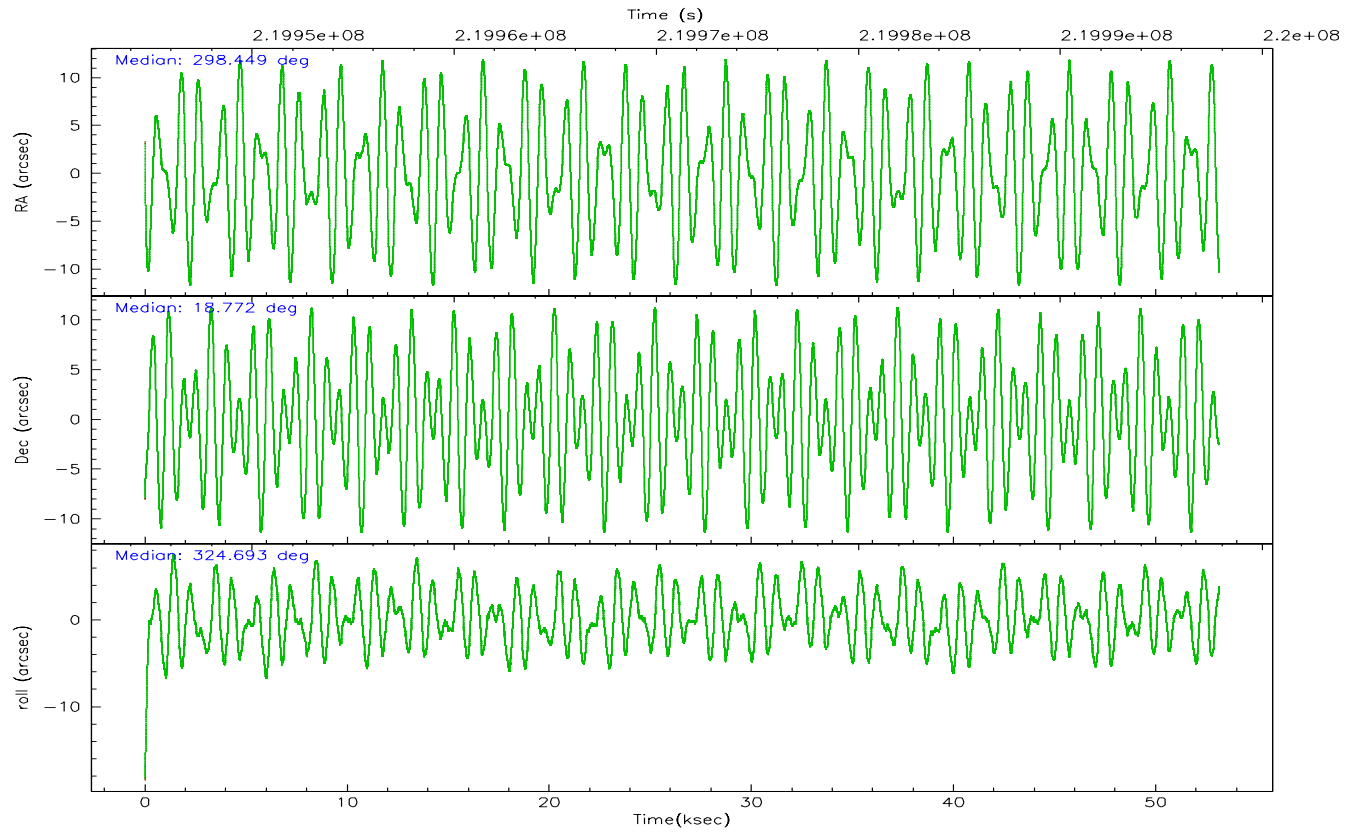
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	22446	21611	20848	12847	44526
	5%	5%	4%	2%	7%
grade 1 events	251	265	208	396	395
	0%	0%	0%	0%	0%
grade 2 events	10366	9343	10782	55213	26212
	2%	2%	2%	9%	4%
grade 3 events	4655	4807	4939	11214	12581
	1%	1%	1%	1%	2%
grade 4 events	4676	4768	4988	11052	11722
	1%	1%	1%	1%	2%
grade 5 events	16464	18682	19460	38229	26097
	3%	4%	4%	6%	4%
grade 6 events	8126	8674	10163	132200	30083
	1%	2%	2%	22%	5%
grade 7 events	361365	351770	369081	323762	406855
	84%	83%	83%	55%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	298.420588	298.4492371123407	Alternating exposures requested	N	N
Pointing Dec	18.773651	18.77151403848898	Primary exposure time	0.000000	3.1
Pointing Roll	324.551323	324.6987222979649			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	219944854.184000	219943188.81778			
Observation start date	2004-12-20T15:46:30	2004-12-20T15:19:48			
Observation end time	219997854.184000	219998521.39527			
Observation end date	2004-12-21T06:29:50	2004-12-21T06:42:01			
Read mode	TIMED	TIMED			

2.3 Aspect



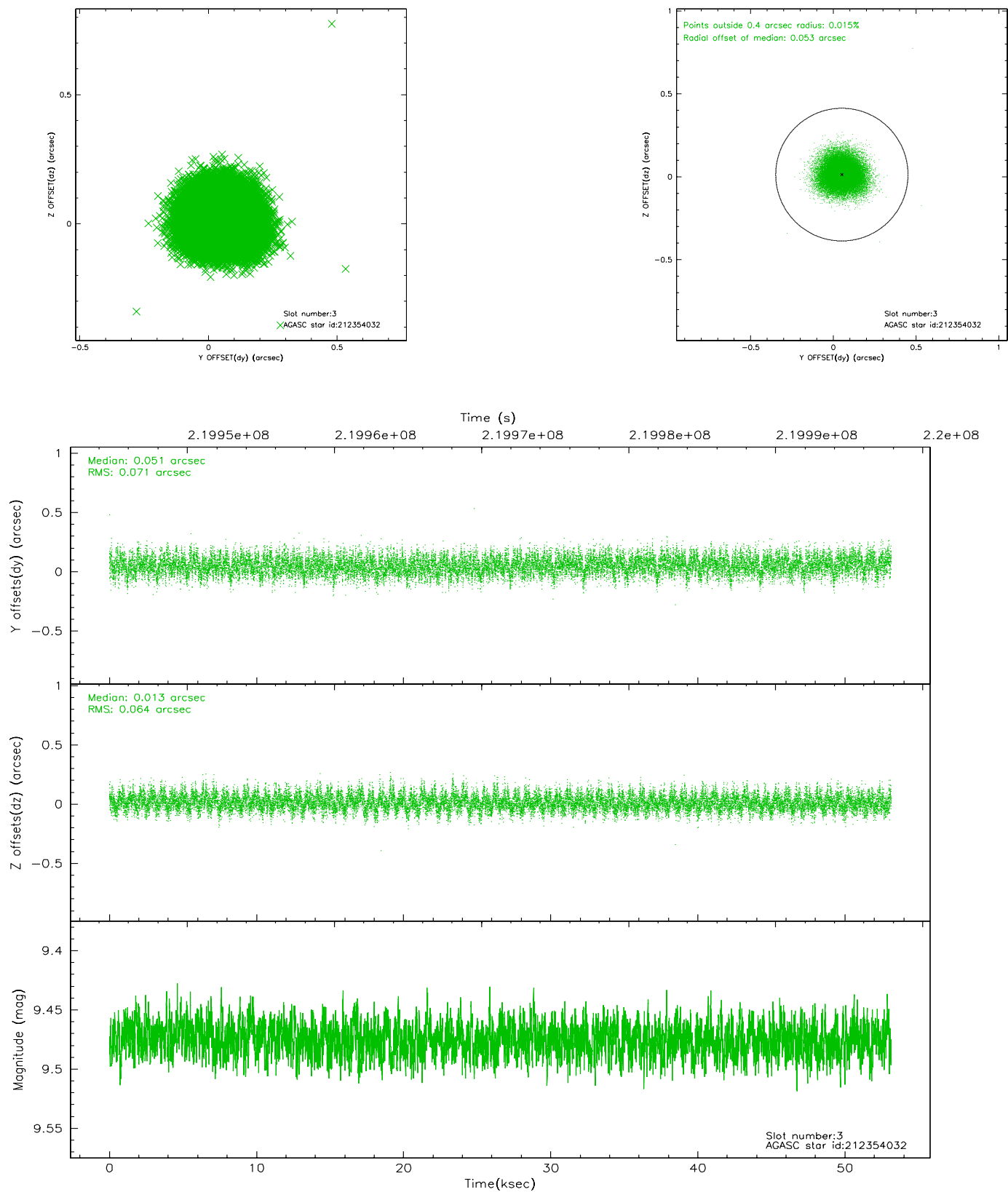


Slot Statistics

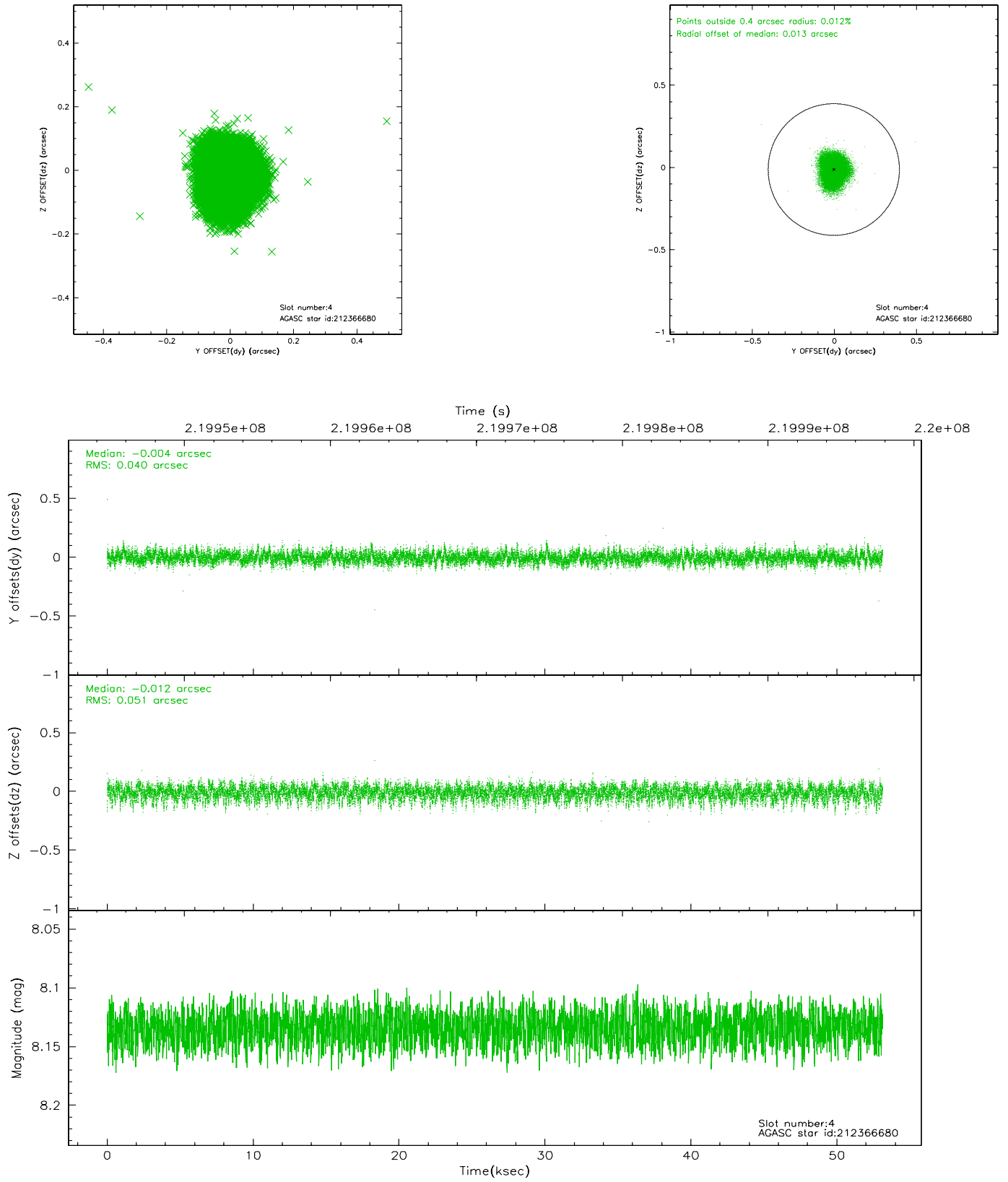
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	12961	0.000	-0.011	0.007	0.011	0.000000	0.000000	-760.28	-1733.69
1	FID	ACIS-S-4	7.20	12962	0.021	0.003	0.006	0.011	0.000000	0.000000	2153.04	174.82
2	FID	ACIS-S-5	7.23	12963	-0.052	0.017	0.008	0.013	0.000000	0.000000	-1813.20	168.49
3	GUIDE	212354032	9.48	25888	0.051	0.013	0.103	0.164	298.849170	18.263133	2259.11	-645.61
4	GUIDE	212366680	8.13	25923	-0.004	-0.012	0.069	0.112	298.161806	18.740684	-649.60	-607.78
5	GUIDE	212867520	8.75	25916	-0.048	-0.111	0.083	0.130	298.770463	19.299202	-129.44	2231.60
6	GUIDE	212215864	9.52	25911	-0.135	-0.045	0.125	0.198	297.683588	18.472136	-1422.98	-2339.51
7	GUIDE	212876272	9.36	25869	0.139	0.151	0.110	0.173	299.350219	18.888202	2336.04	2179.80

2.4 Star Slots

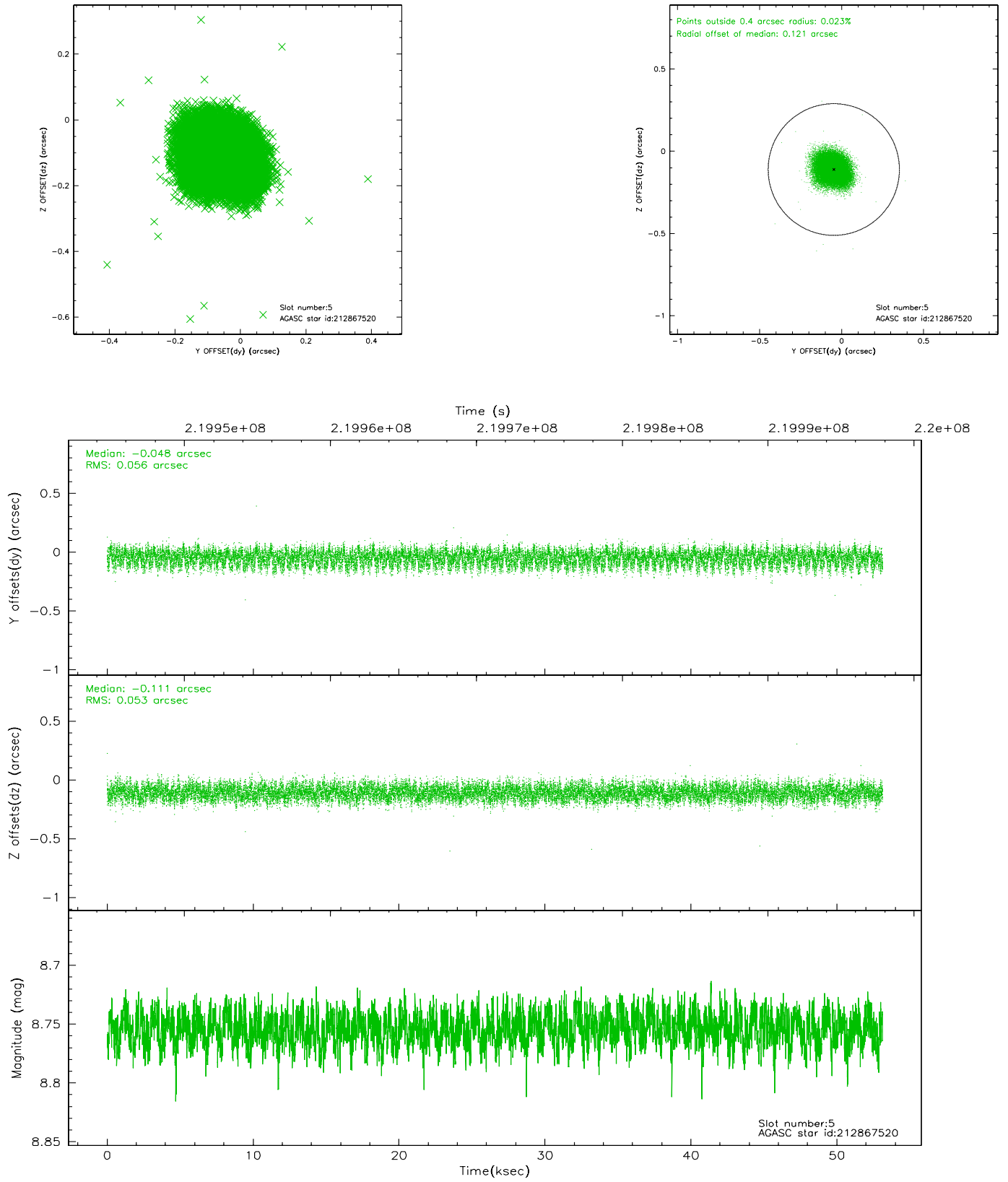
2.4.1 Slot 3



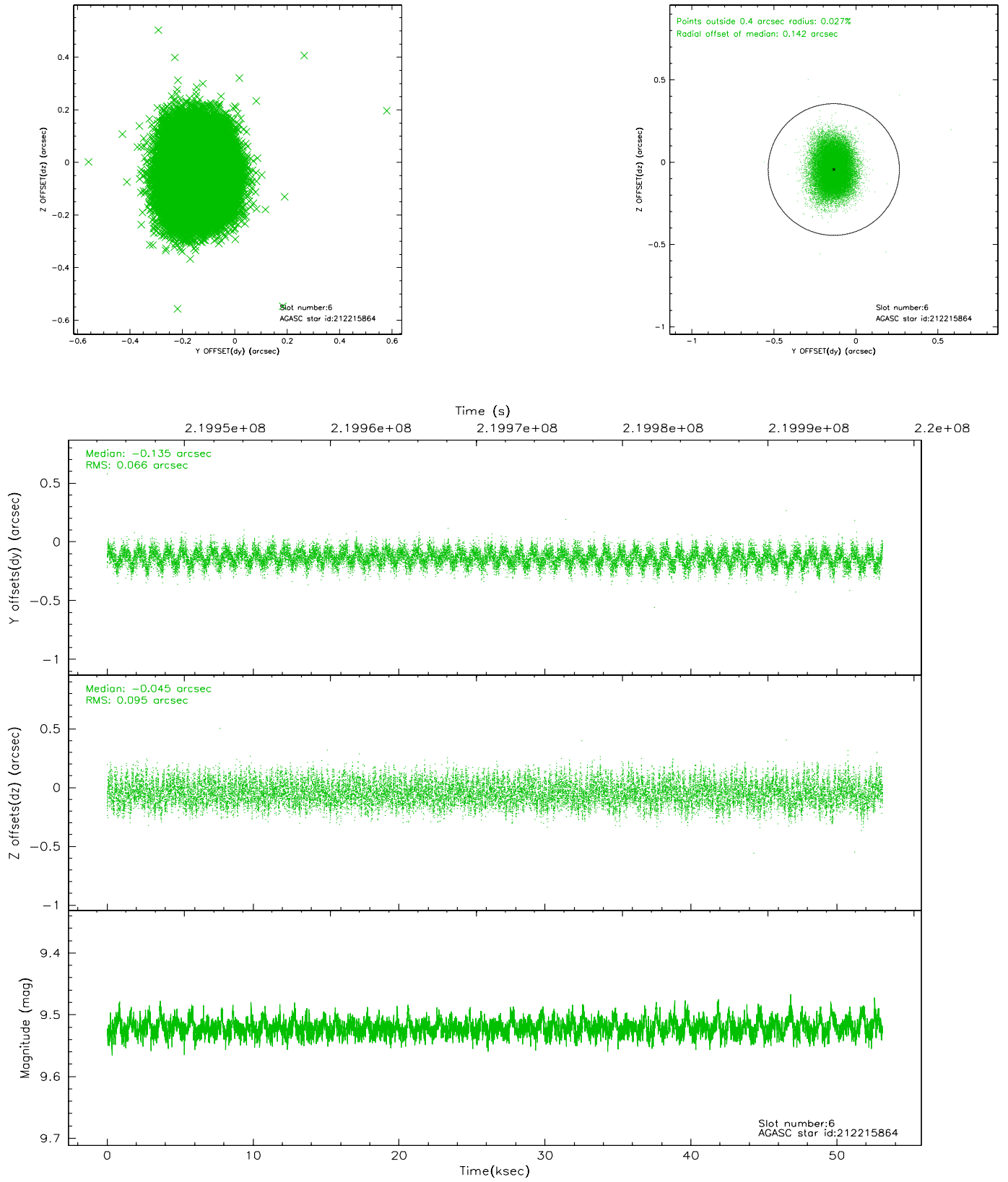
2.4.2 Slot 4



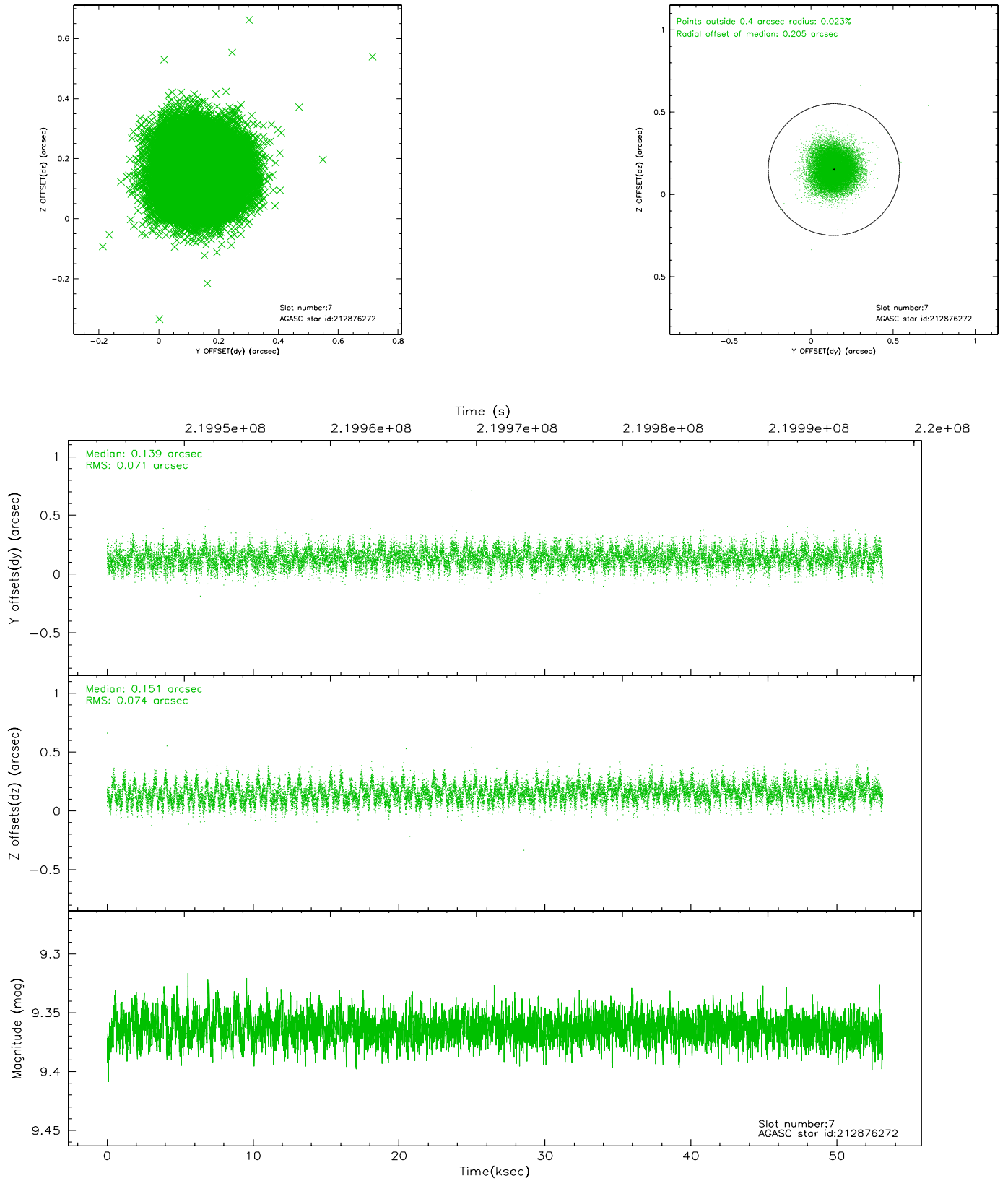
2.4.3 Slot 5



2.4.4 Slot 6

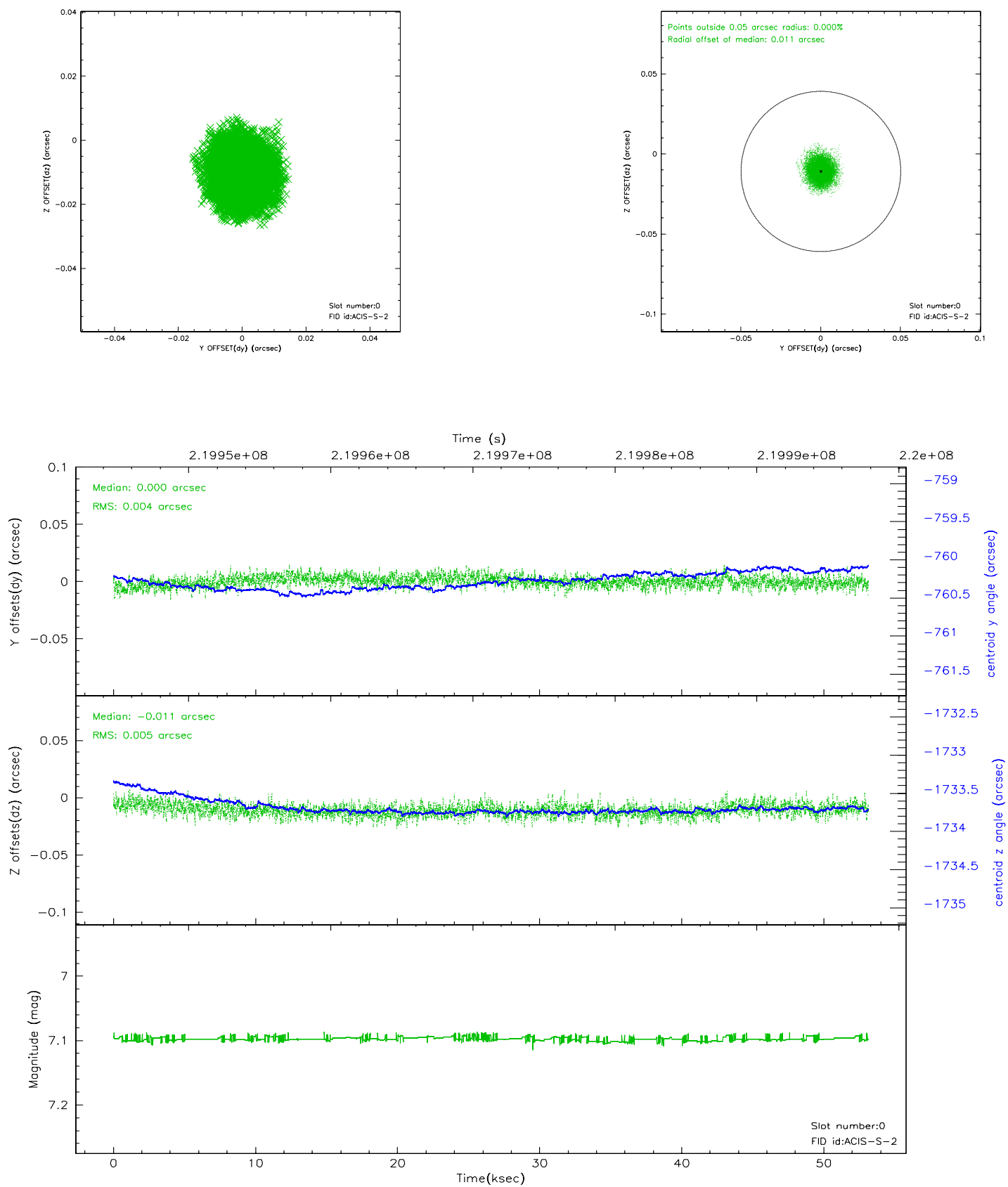


2.4.5 Slot 7

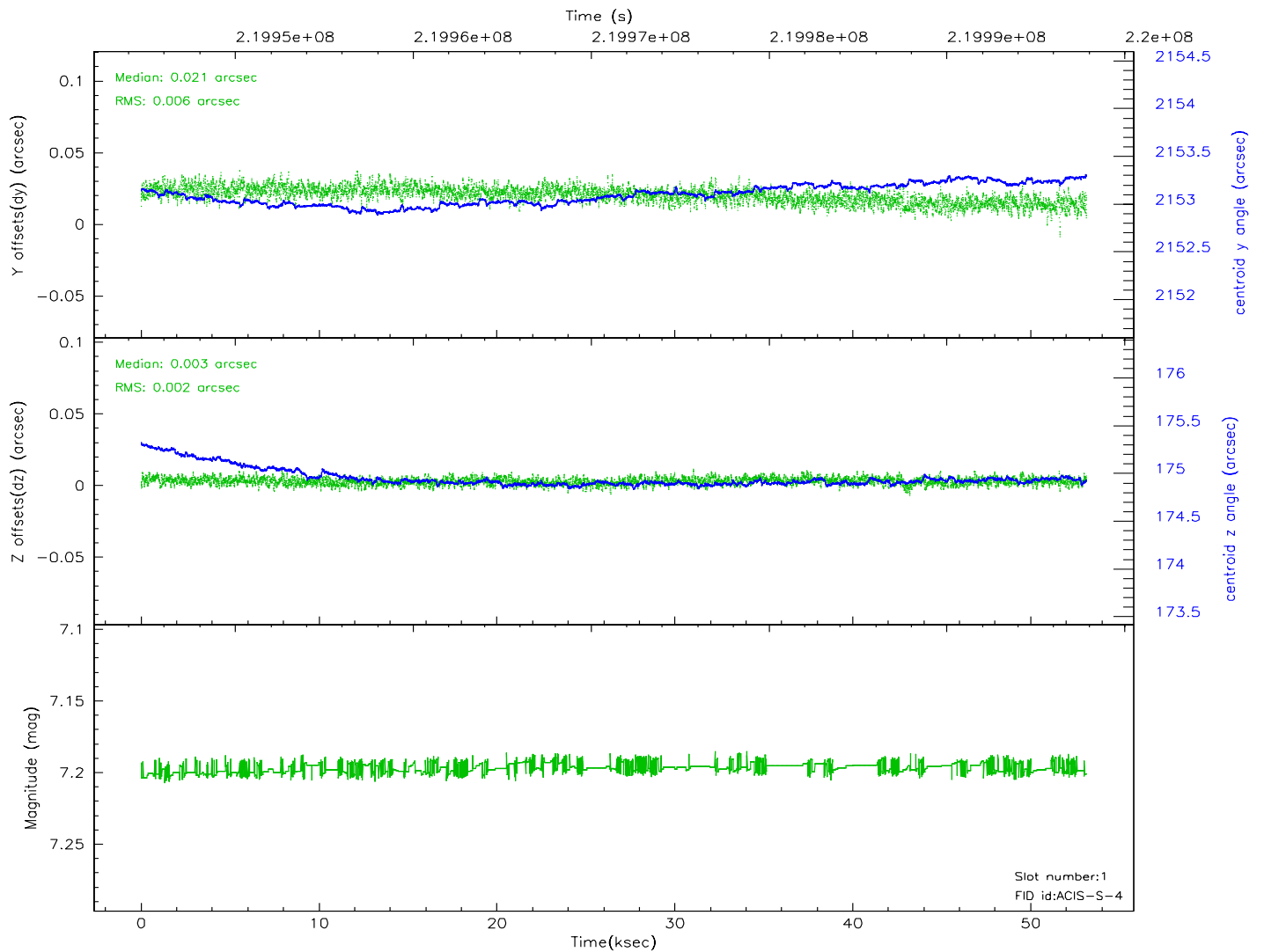
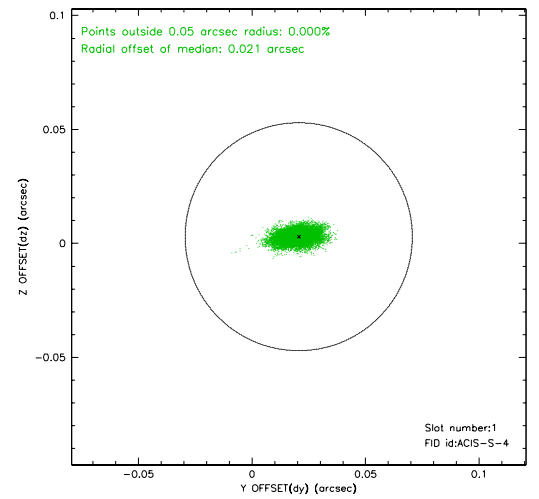
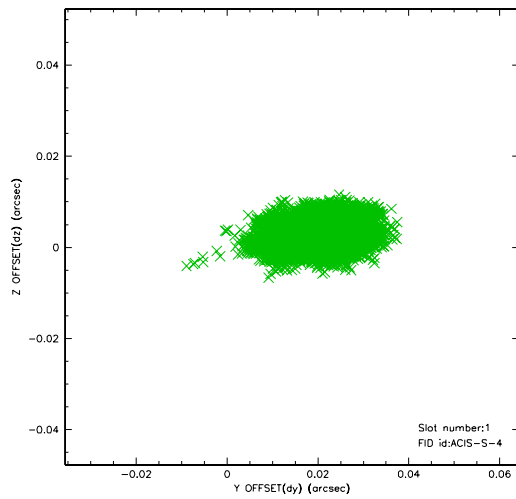


2.5 FID Slots

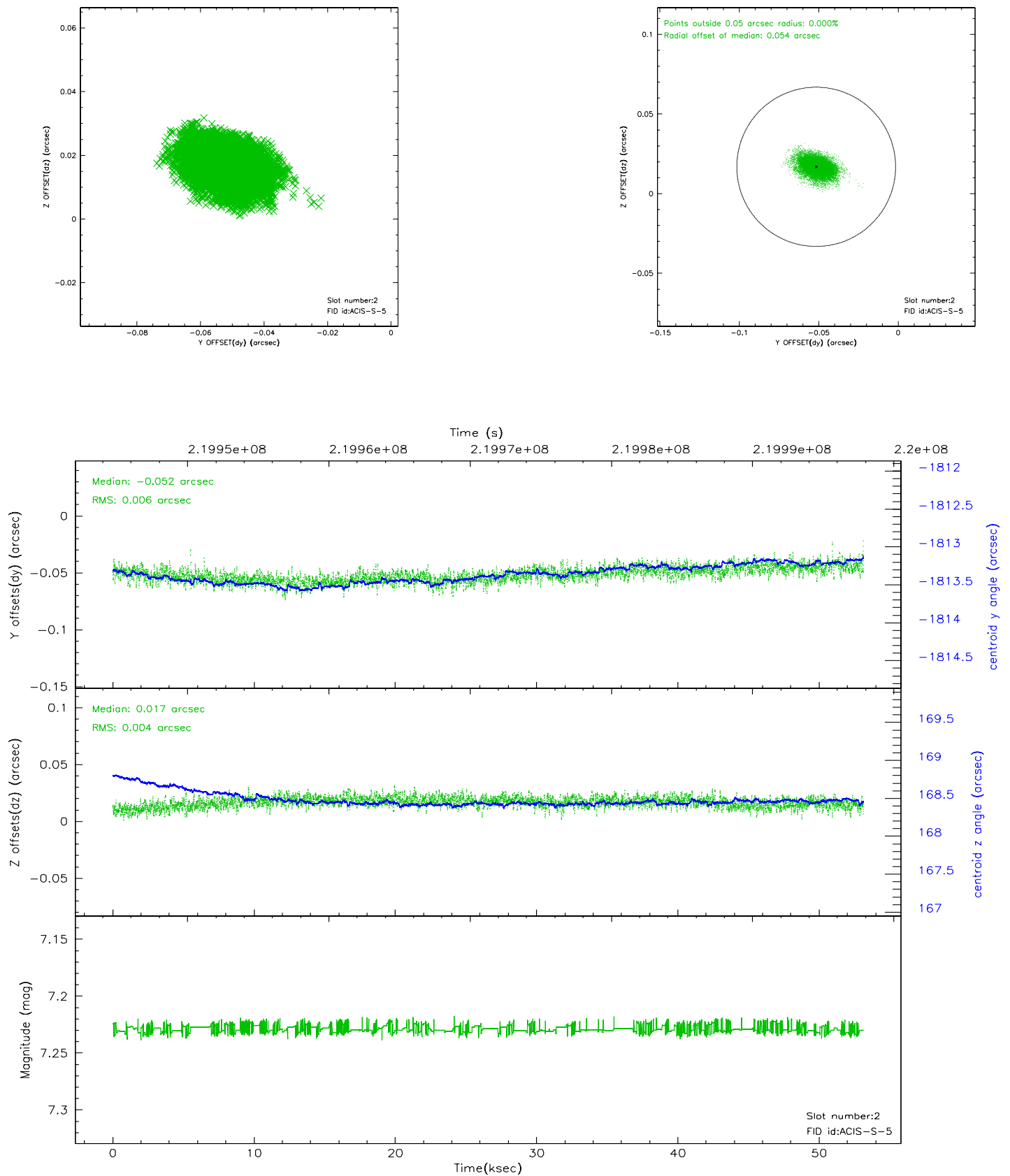
2.5.1 Slot 0



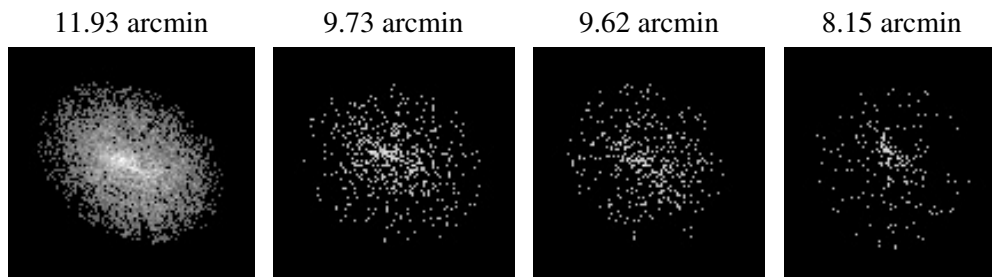
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	53.14019

A.2 Comments