

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5843 - L2 Version 002
Chandra X-Ray Center

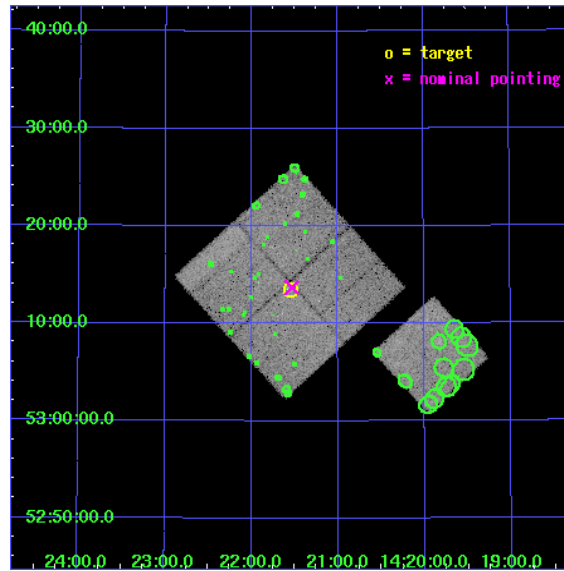
L2 Processing Date: Feb 27 2006

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1 Front

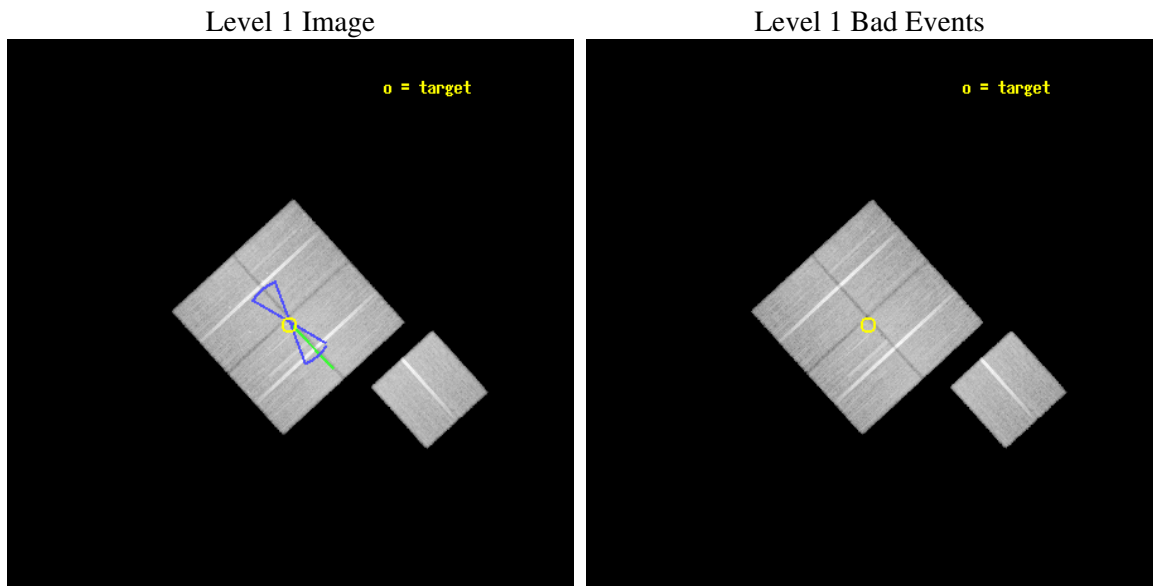
seq_num	900349
obs_id	5843
title	Deep Chandra Imaging of the Extended Groth Strip: The Co-evolution of Black Holes and Galaxies
observer	Dr Kirpal Nandra
object	EGS-2
dtcycle	0
cycle	P
ra_targ	215.386246
dec_targ	53.224361
ra_nom	215.38301372436
dec_nom	53.228572560029
roll_nom	137.6248368908
revision	2
ontime	45046.058933139
livetime	44457.499010751
ontime0	45046.058923215
ontime1	45046.058943123
ontime2	45042.917922974
ontime3	45046.058933139
ontime6	45049.199913383
l2events	117734



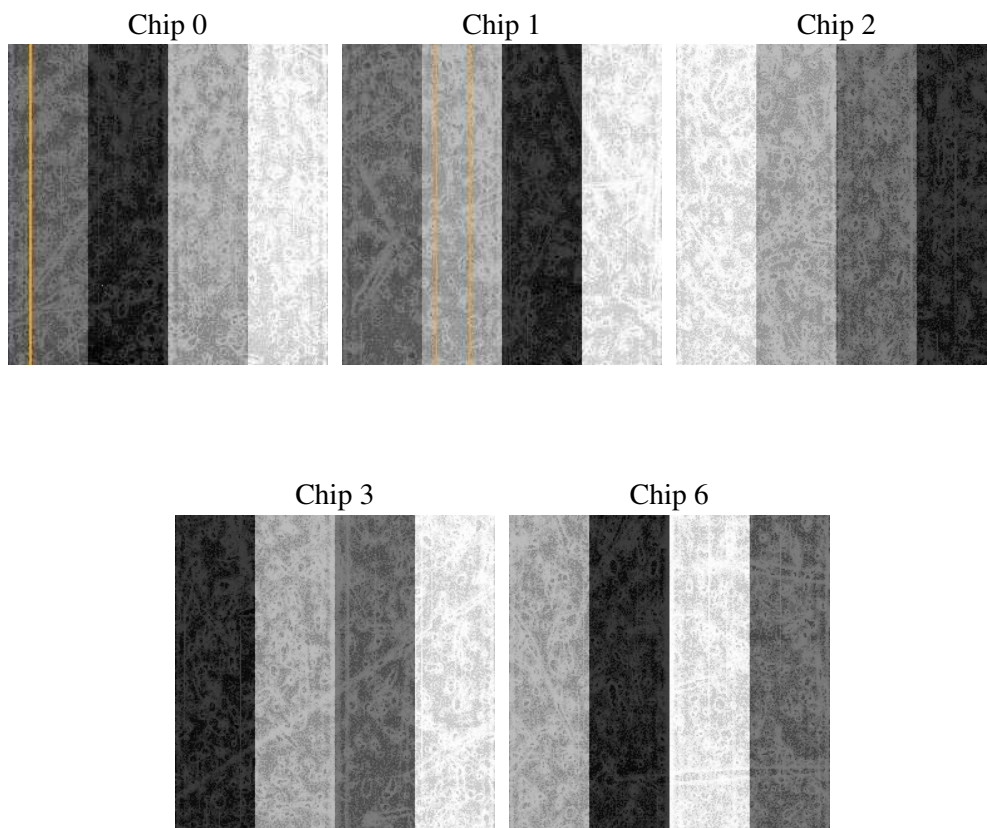
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldsver	3.2.1
date	2006-02-27T15:43:08
revision	2

sched_exp_time	45000.000000
ontime	45051.500194222
ontime0	45051.50016436
ontime1	45051.500184268
ontime2	45048.359164119
ontime3	45051.500194222
ontime6	45054.641154528
l1events	1366983

2.1.4 Events

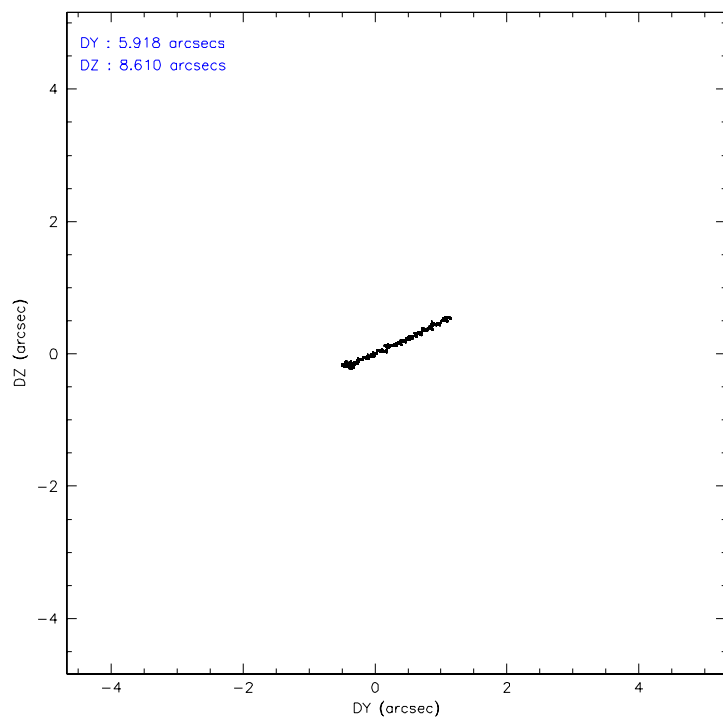
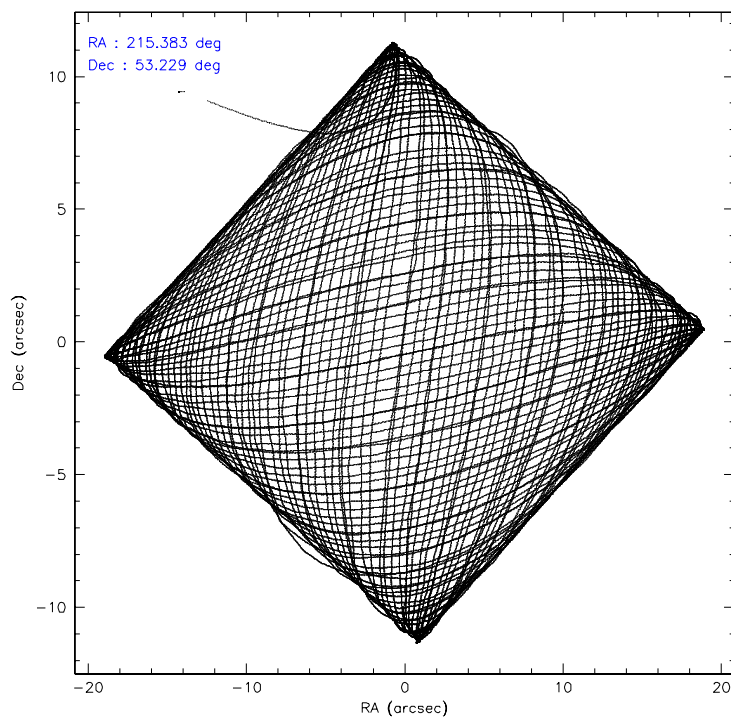
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	262640	257991	288691	280640	277021
rejected events	234149	226850	262082	254300	248456
rejected %	89%	87%	90%	90%	89%

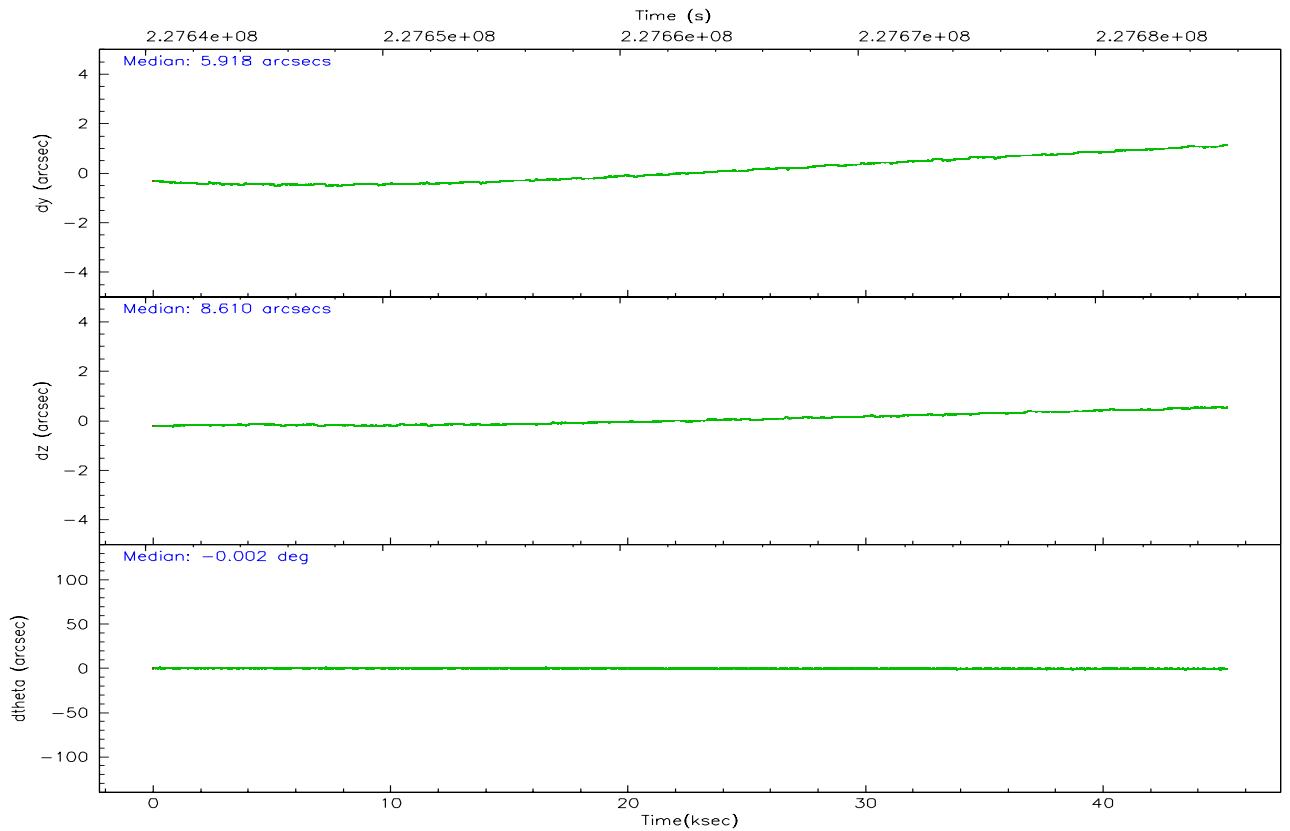
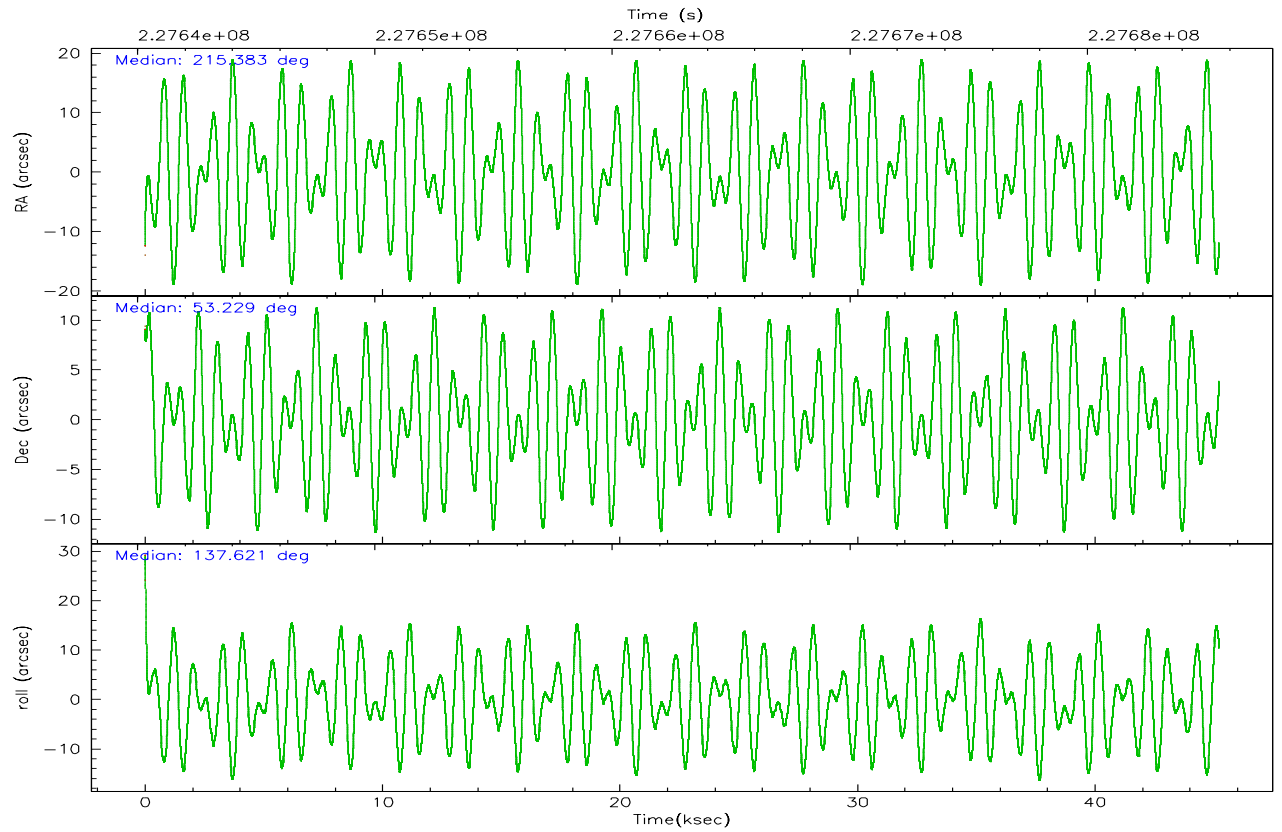
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	9928	11303	9361	9313	9798
	3%	4%	3%	3%	3%
grade 1 events	130	152	145	149	115
	0%	0%	0%	0%	0%
grade 2 events	6667	6770	6263	5721	6122
	2%	2%	2%	2%	2%
grade 3 events	3343	3523	2954	3037	3282
	1%	1%	1%	1%	1%
grade 4 events	3015	3291	3018	3059	3218
	1%	1%	1%	1%	1%
grade 5 events	10046	10877	9389	11181	11162
	3%	4%	3%	3%	4%
grade 6 events	5543	6259	5016	5212	6145
	2%	2%	1%	1%	2%
grade 7 events	223968	215816	252545	242968	237179
	85%	83%	87%	86%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	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	215.427725	215.3830137243571	Alternating exposures requested	N	N
Pointing Dec	53.222802	53.22857256002899	Primary exposure time	0.000000	3.1
Pointing Roll	137.380327	137.6248368907965			
Roll angle	50.756000	50.756000			
Roll tolerance	20.000000	20.000000			
Roll constraint allows 180D rotation	Y	Y			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	227640551.184000	227639589.24061			
Observation start date	2005-03-19T17:28:07	2005-03-19T17:13:09			
Observation end time	227685551.184000	227686027.89272			
Observation end date	2005-03-20T05:58:07	2005-03-20T06:07:07			
Read mode	TIMED	TIMED			

2.3 Aspect



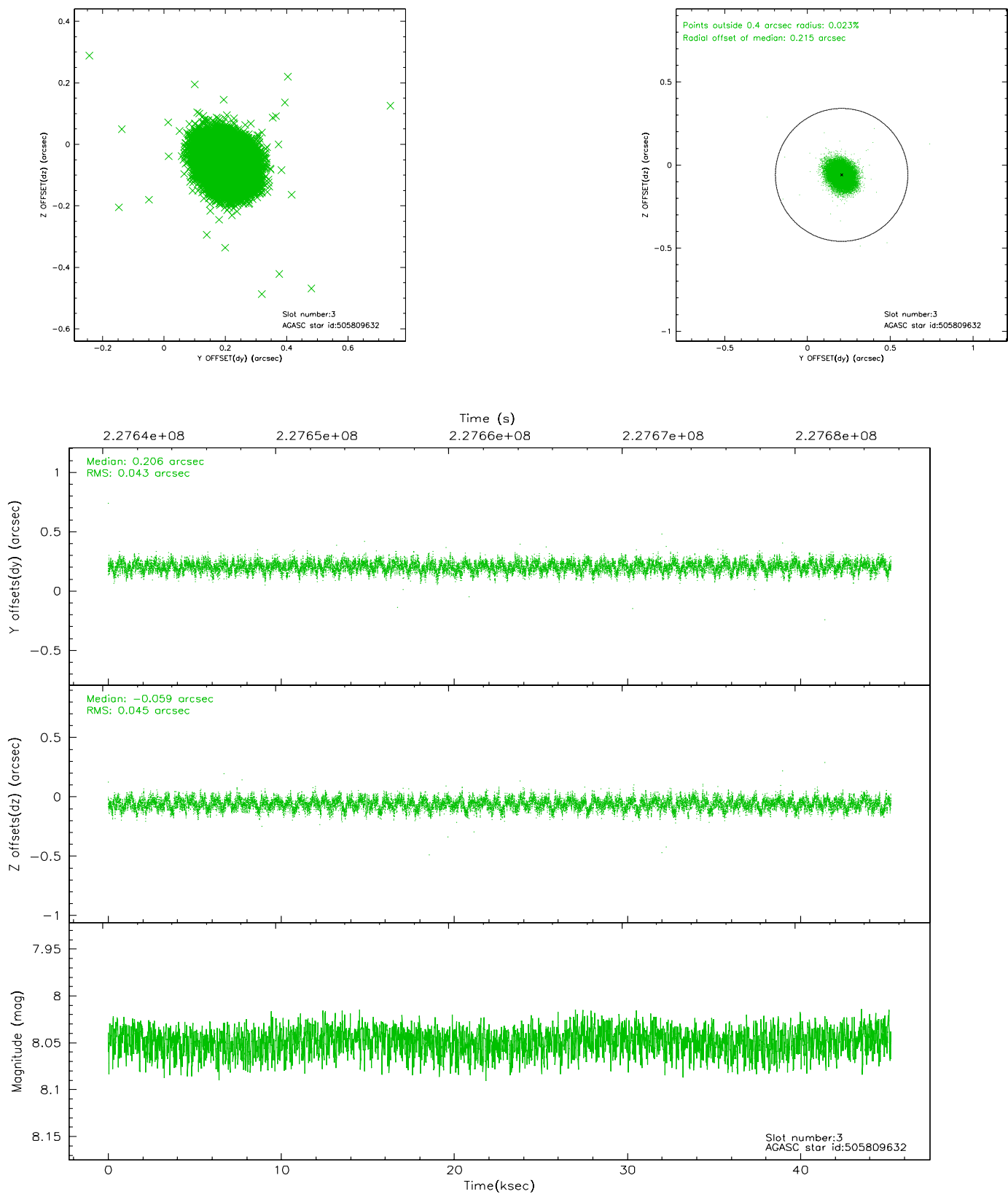


Slot Statistics

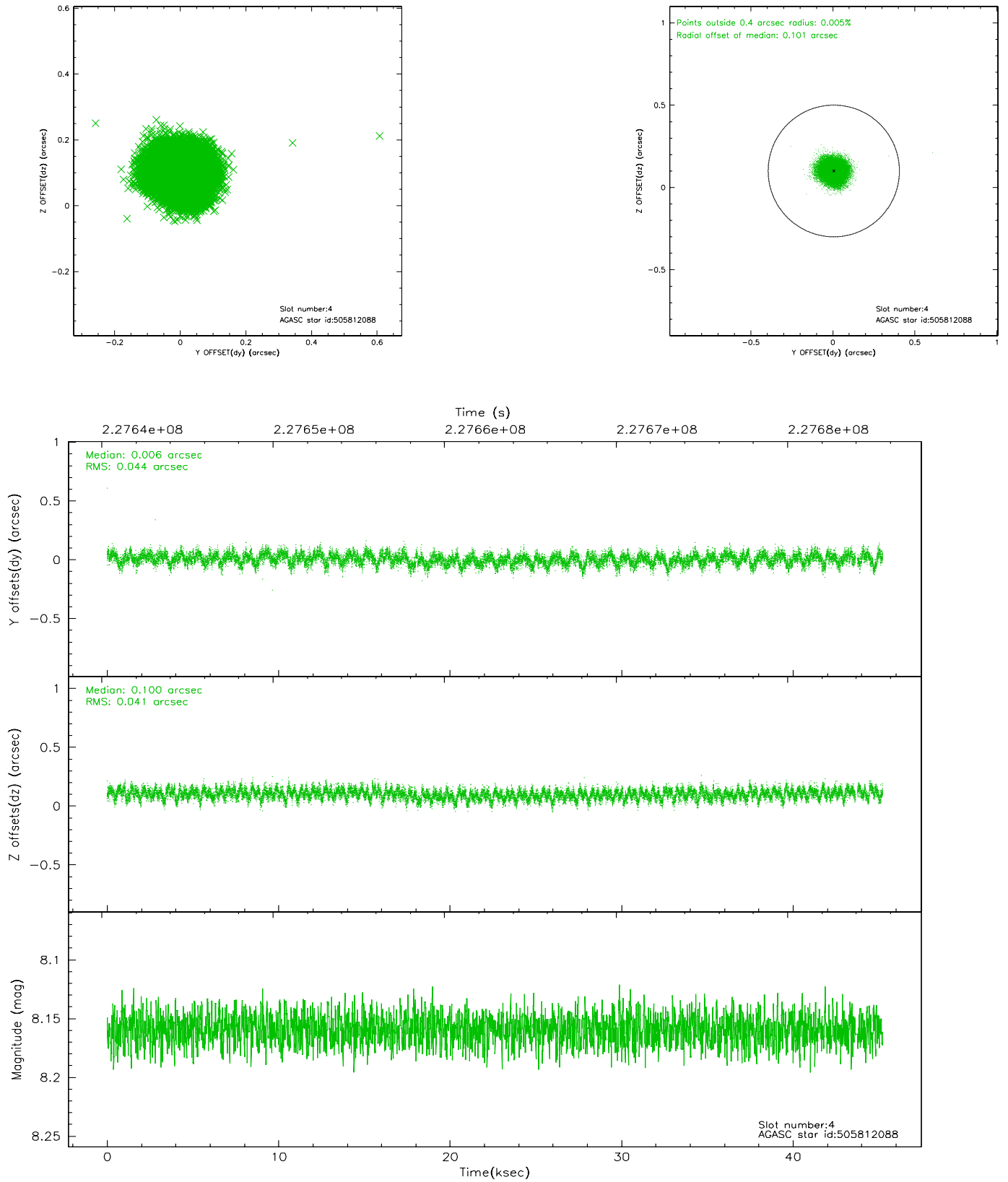
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	11032	-0.008	0.061	0.018	0.027	0.000000	0.000000	933.67	-832.05
1	FID	ACIS-I-5	7.23	11033	-0.131	0.034	0.018	0.026	0.000000	0.000000	-1814.57	1065.41
2	FID	ACIS-I-6	7.26	11031	0.047	-0.022	0.010	0.019	0.000000	0.000000	399.27	1709.85
3	GUIDE	505809632	8.05	22063	0.206	-0.059	0.066	0.105	215.499426	53.521185	614.99	-894.17
4	GUIDE	505812088	8.16	22004	0.006	0.100	0.065	0.102	214.186617	53.263562	2081.71	1685.01
5	GUIDE	505815088	7.28	22054	-0.035	-0.022	0.060	0.094	216.315963	53.584954	-506.17	-2253.12
6	GUIDE	505815928	8.30	22063	-0.061	-0.011	0.061	0.096	216.234742	53.074559	-1638.87	-796.34
7	GUIDE	505817384	8.07	22060	-0.114	-0.005	0.076	0.123	216.827424	53.311152	-1978.99	-2294.39

2.4 Star Slots

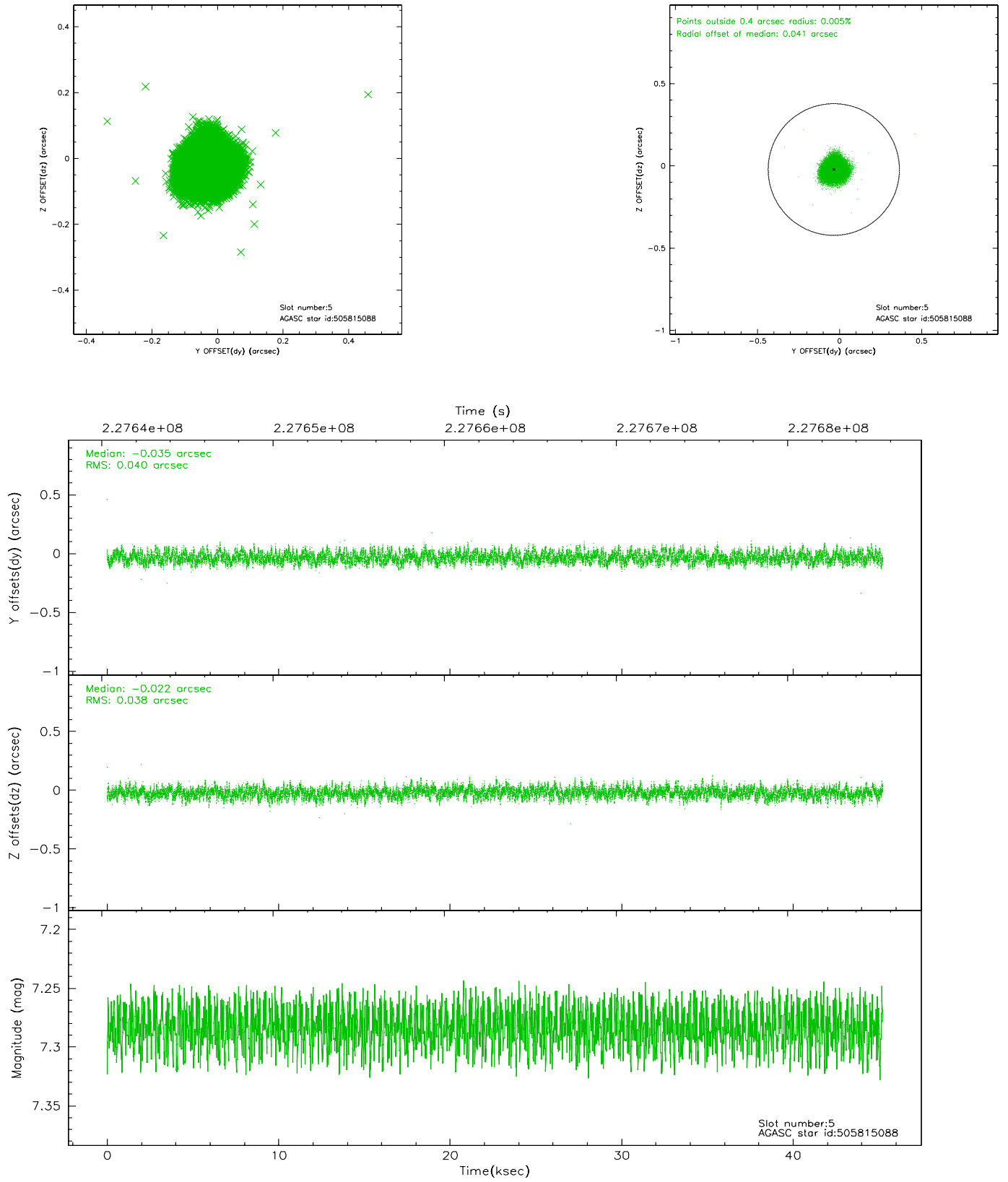
2.4.1 Slot 3



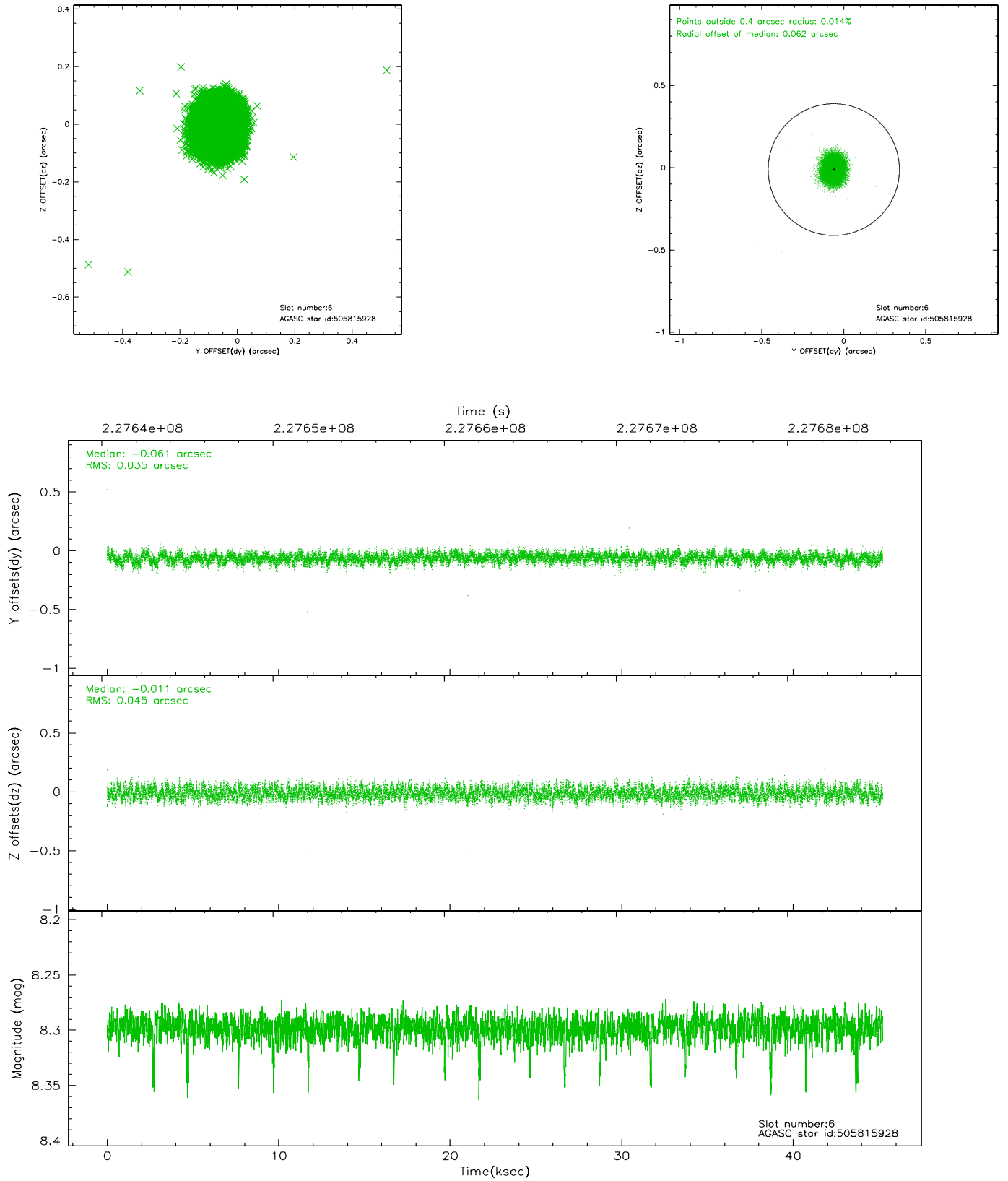
2.4.2 Slot 4



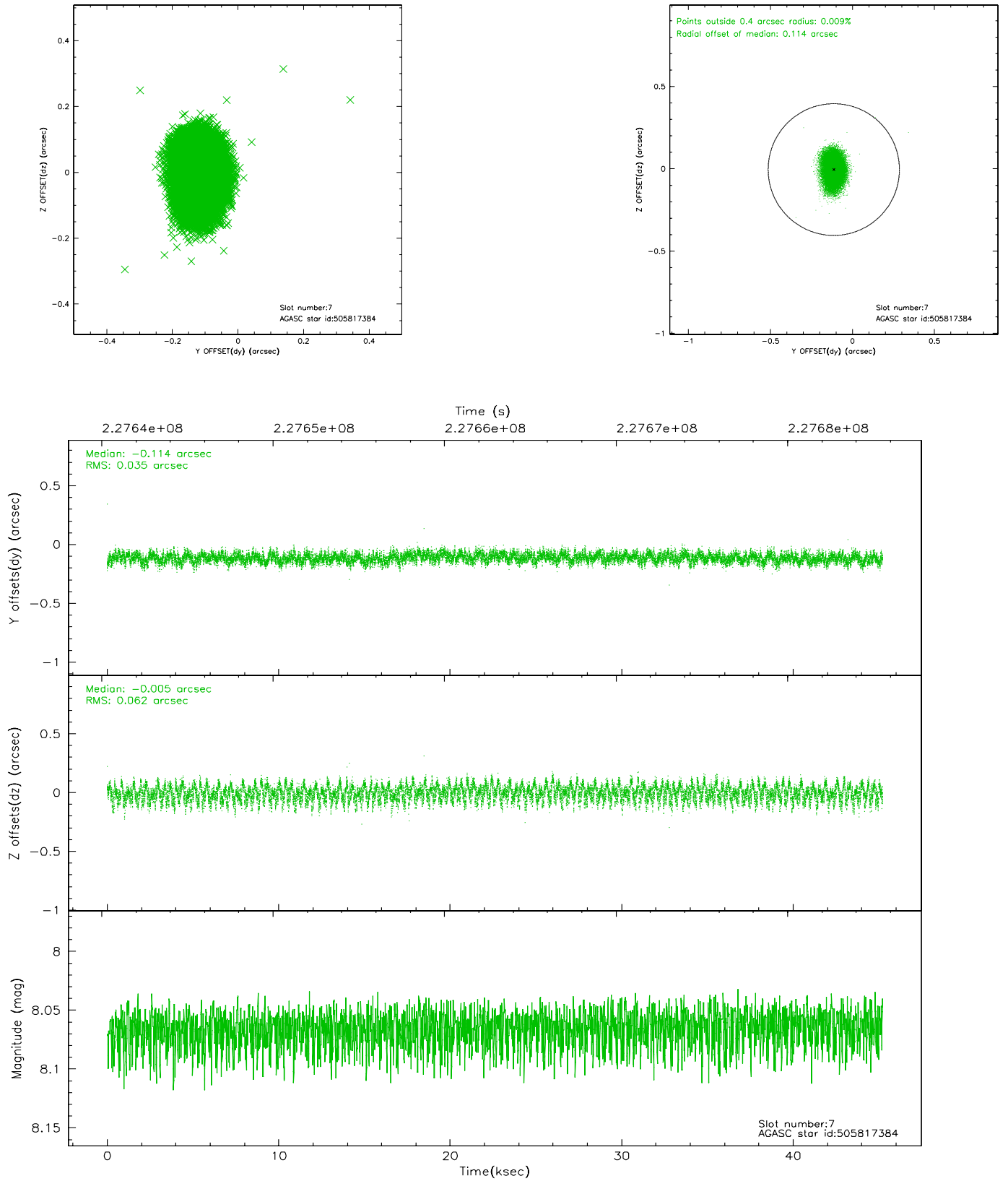
2.4.3 Slot 5



2.4.4 Slot 6

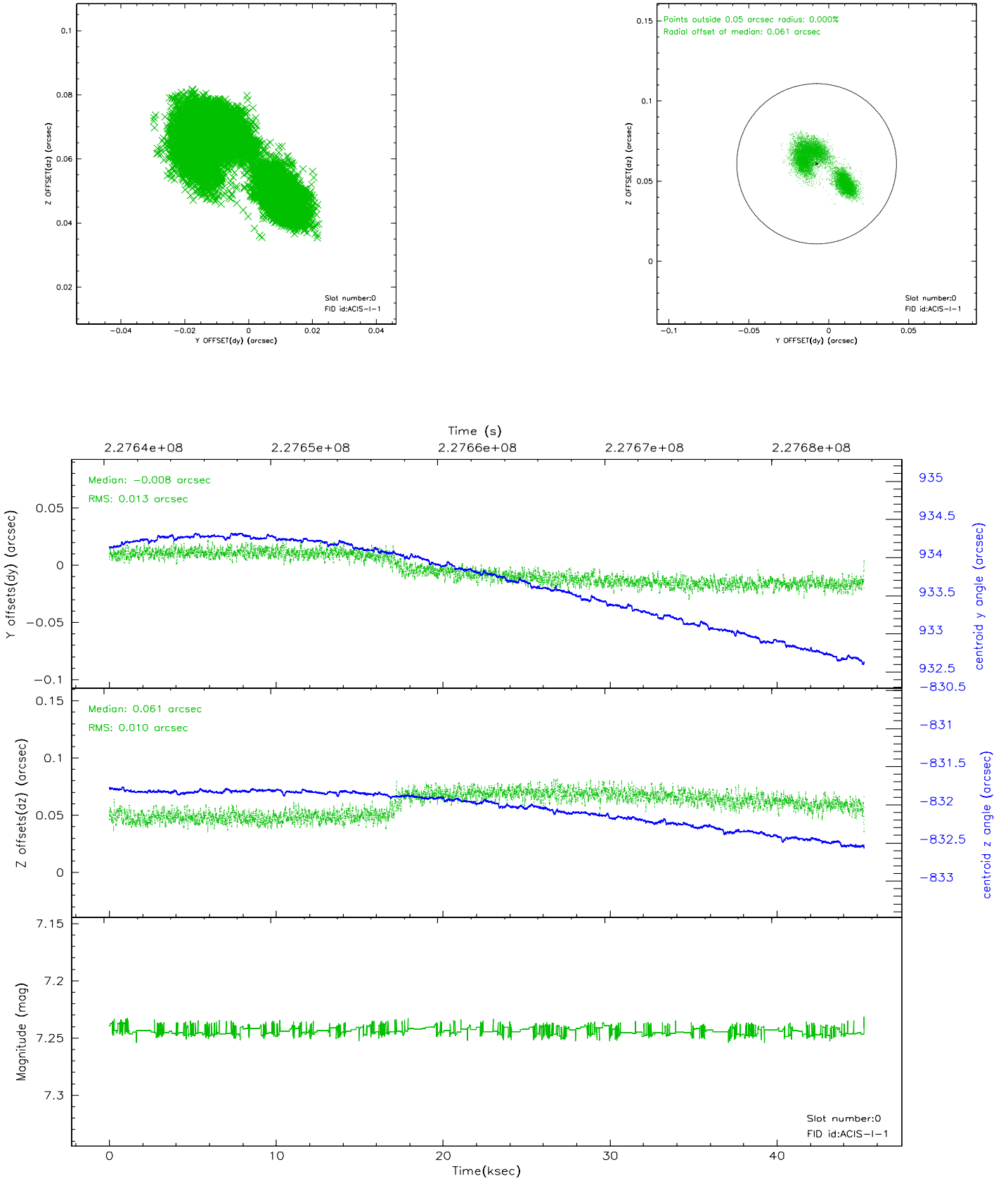


2.4.5 Slot 7

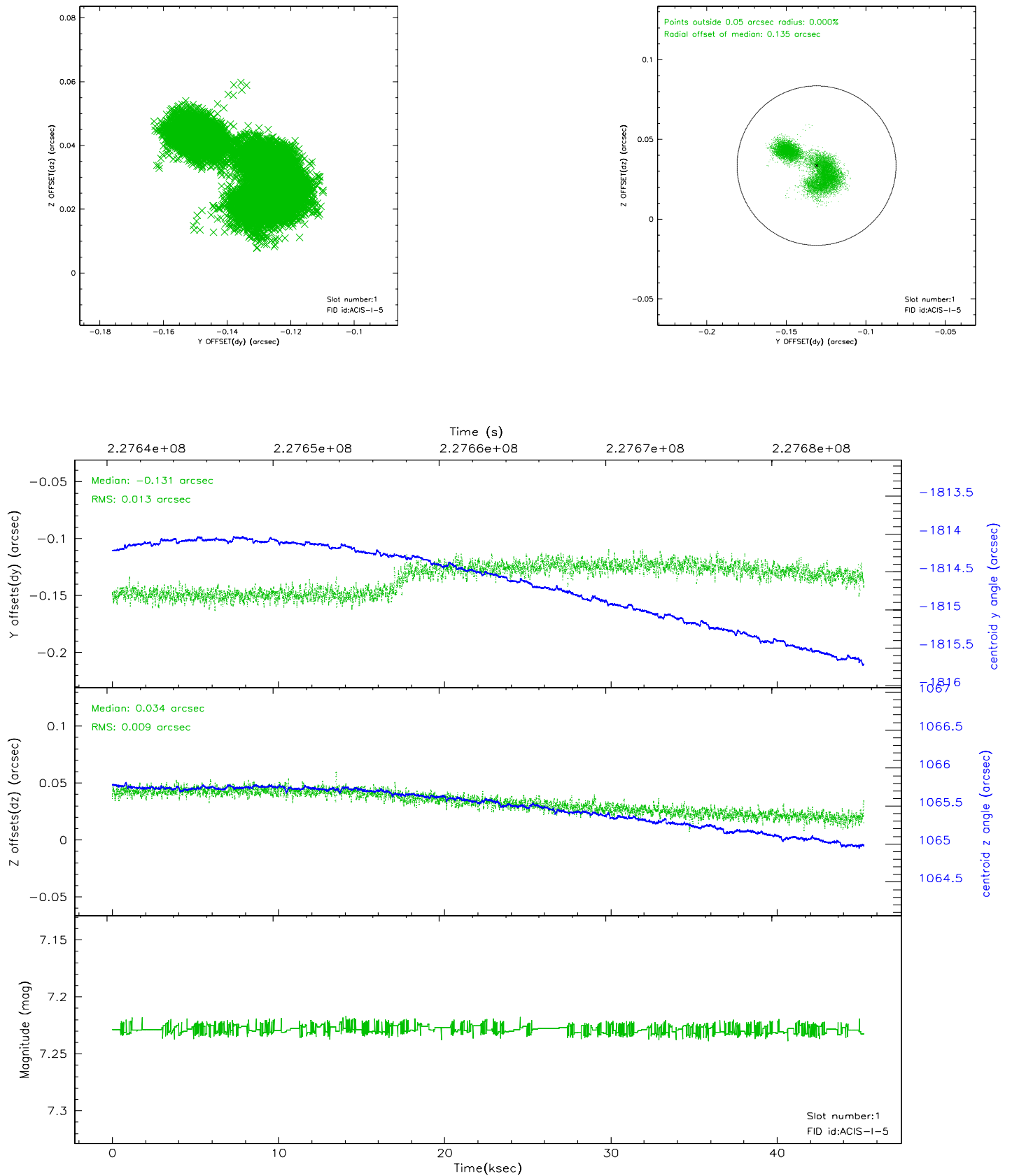


2.5 FID Slots

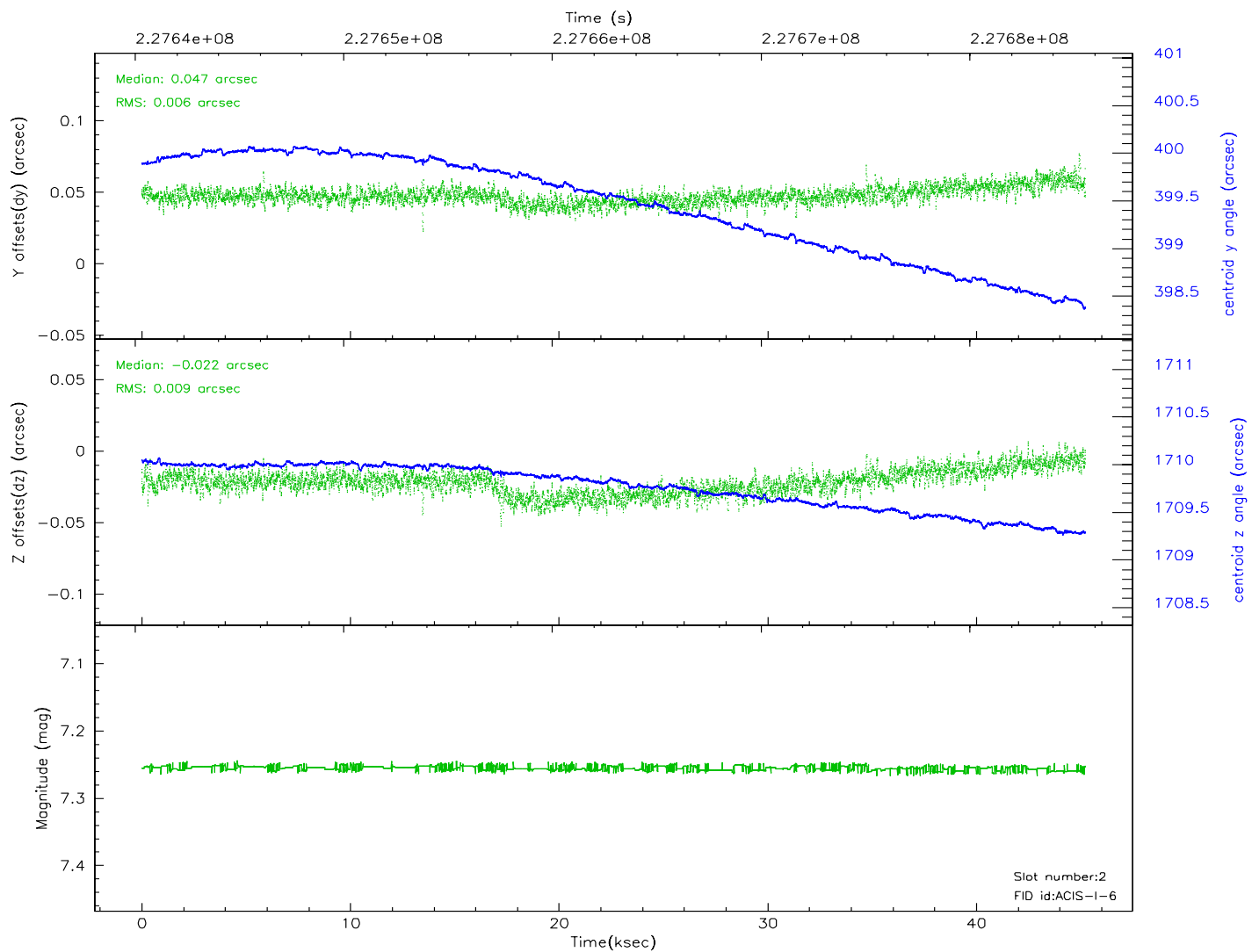
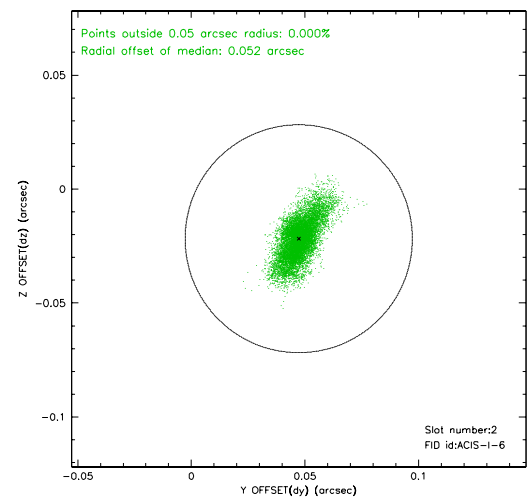
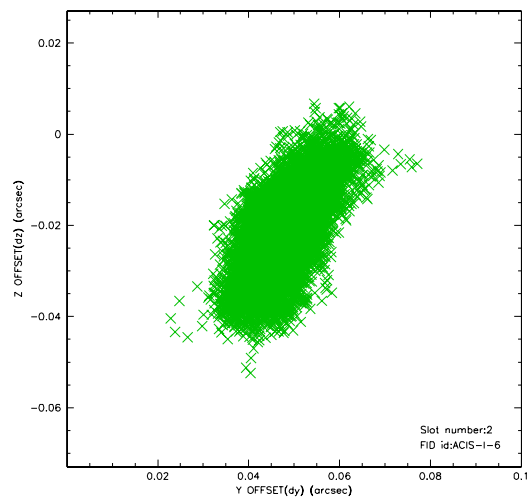
2.5.1 Slot 0



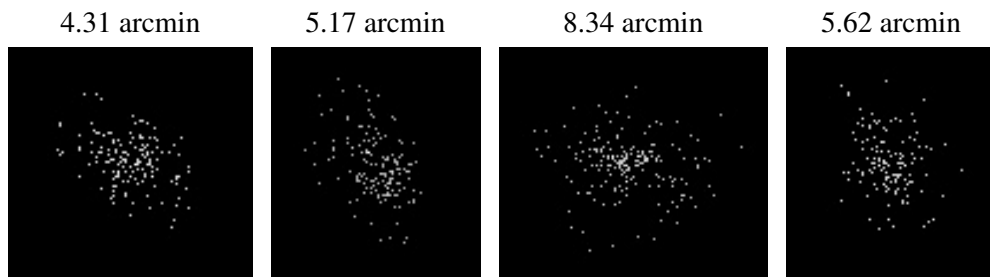
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.02.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.04605

A.2 Comments

Roll constraint satisfied.