

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 4496 - L2 Version 002
Chandra X-Ray Center

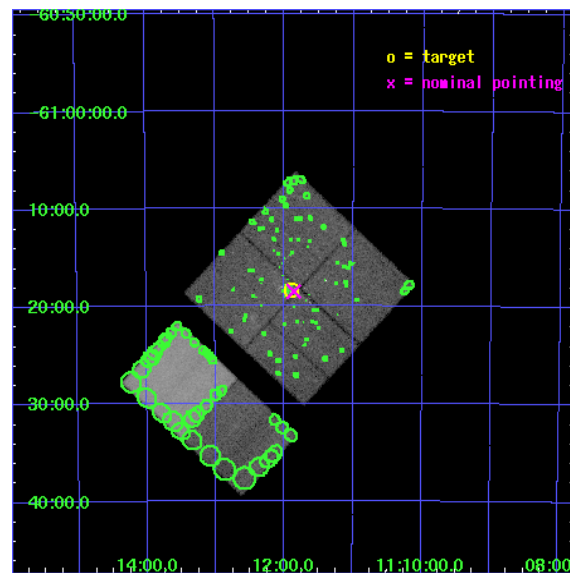
L2 Processing Date : Mar 15 2006

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

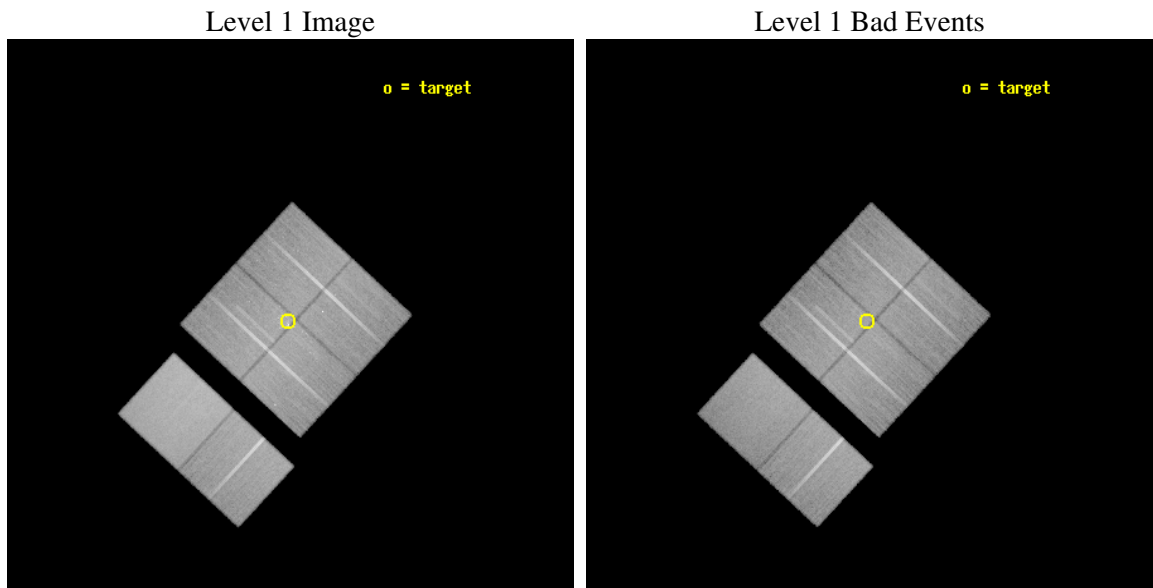
seq_num	200265
obs_id	4496
title	X-ray Flows from the Giant HII Region NGC 3576
observer	Dr. Leisa Townsley
object	NGC 3576
dtcycle	0
cycle	P
ra_targ	167.974167
dec_targ	-61.306944
ra_nom	167.96509027168
dec_nom	-61.308517458481
roll_nom	222.90072149146
revision	2
ontime	41023.999847174
livetime	40504.529259422
ontime0	41017.517986298
ontime1	41023.999847174
ontime2	41023.999847174
ontime3	41023.999847174
ontime6	41023.999847174
ontime7	41023.999847174
l2events	362144



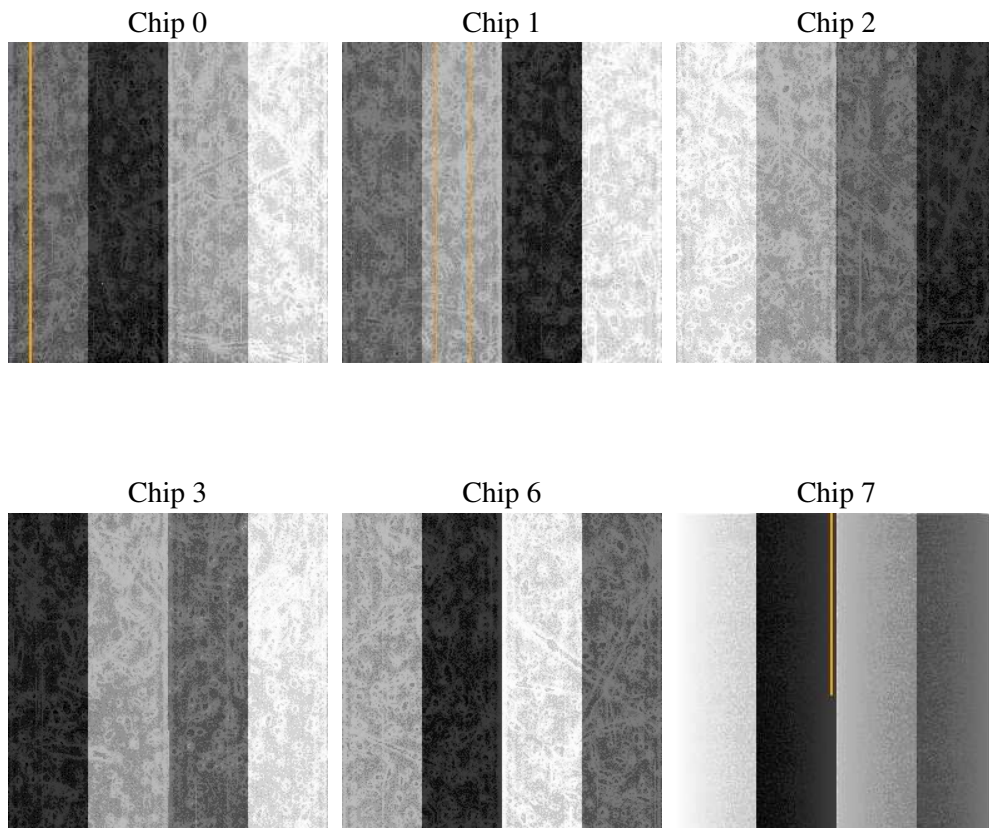
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-15T17:25:40
revision	2

sched_exp_time	41000.000000
ontime	41027.848468691
ontime0	41021.366637707
ontime1	41027.848498583
ontime2	41027.848498583
ontime3	41027.848468691
ontime6	41027.848498583
ontime7	41027.848498583
l1events	2025228

2.1.4 Events

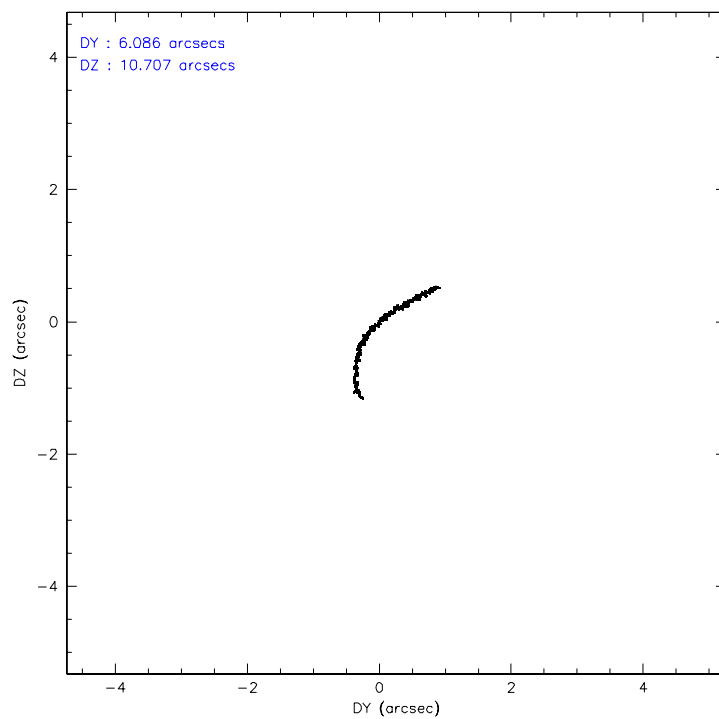
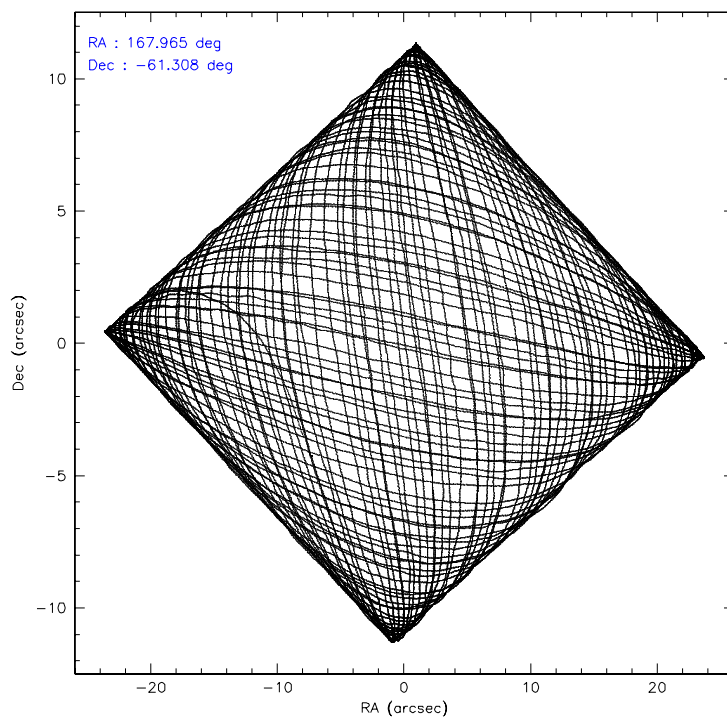
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	296644	303282	326461	320234	334418	444189
rejected events	253651	257116	283947	274295	293339	269863
rejected %	85%	84%	86%	85%	87%	60%

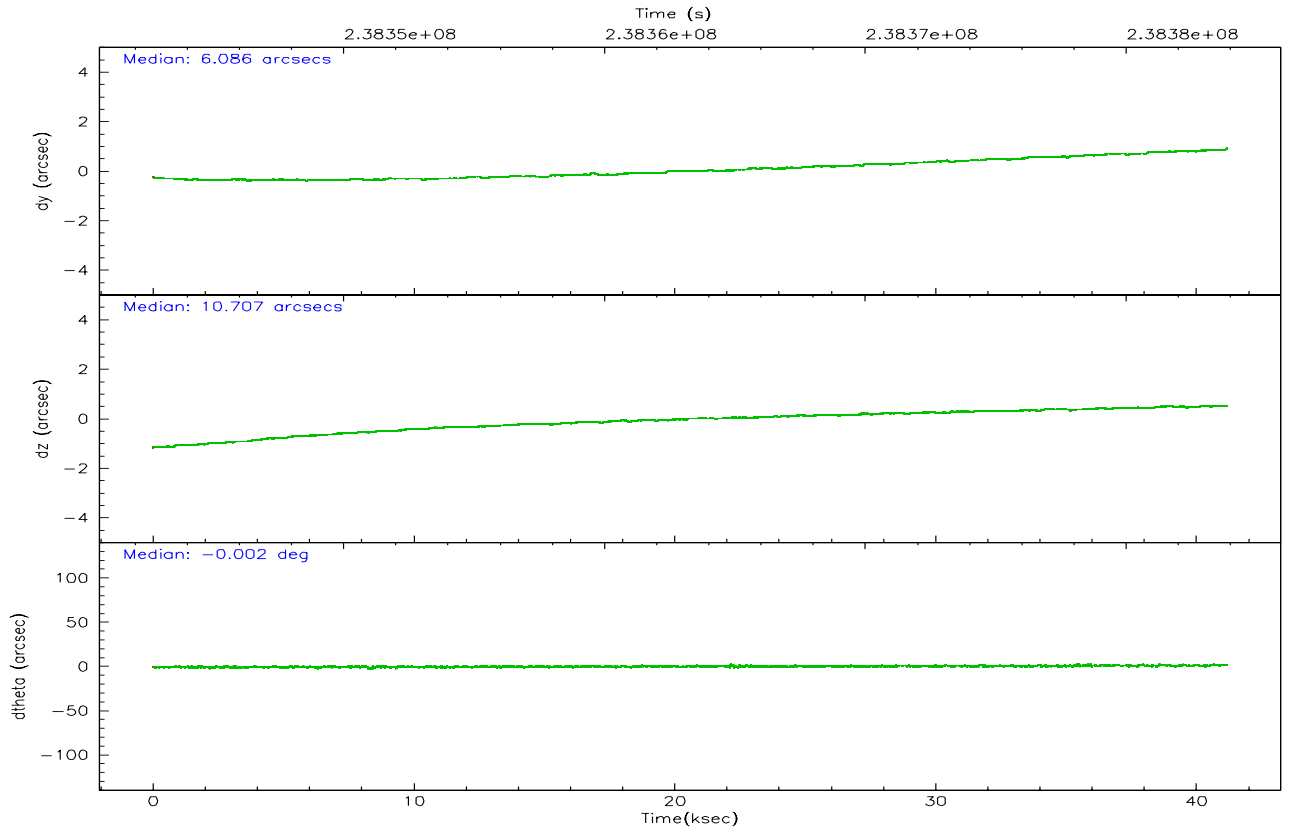
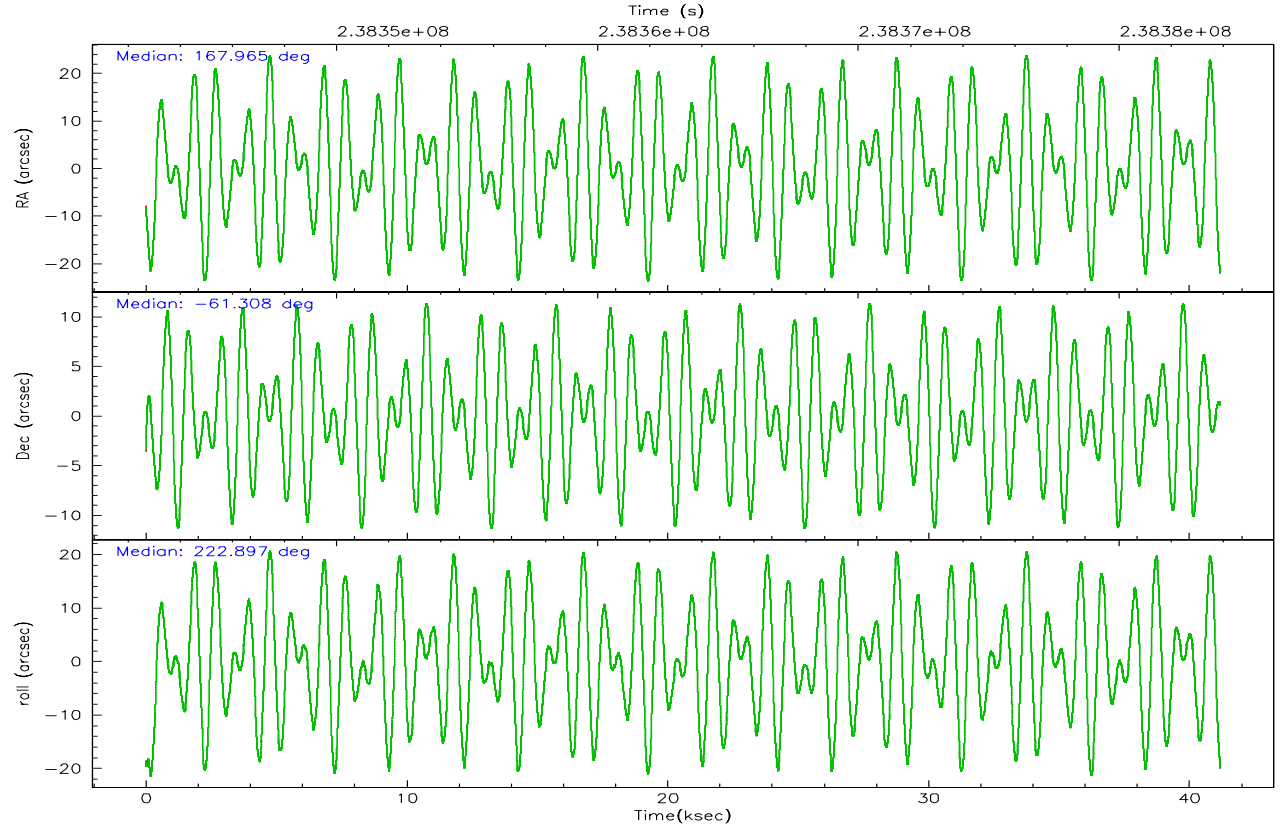
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	19977	20427	20657	22811	16982	9940
	6%	6%	6%	7%	5%	2%
grade 1 events	195	143	232	245	157	295
	0%	0%	0%	0%	0%	0%
grade 2 events	8694	9685	8325	8424	8744	43203
	2%	3%	2%	2%	2%	9%
grade 3 events	3856	3989	3596	3868	3746	8639
	1%	1%	1%	1%	1%	1%
grade 4 events	3610	3936	3598	3947	3686	8324
	1%	1%	1%	1%	1%	1%
grade 5 events	12904	13480	12278	14296	15135	28338
	4%	4%	3%	4%	4%	6%
grade 6 events	6859	8134	6339	6898	7929	104237
	2%	2%	1%	2%	2%	23%
grade 7 events	240549	243488	271436	259745	278039	241213
	81%	80%	83%	81%	83%	54%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	167.981626	167.9650902716844	Alternating exposures requested	N	N
Pointing Dec	-61.282329	-61.30851745848146	Primary exposure time	0.000000	3.2
Pointing Roll	222.706546	222.9007214914585			
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	238342866.184000	238341872.51585			
Observation start date	2005-07-21T14:20:02	2005-07-21T14:04:32			
Observation end time	238383866.184000	238384692.40531			
Observation end date	2005-07-22T01:43:22	2005-07-22T01:58:12			
Read mode	TIMED	TIMED			

2.3 Aspect



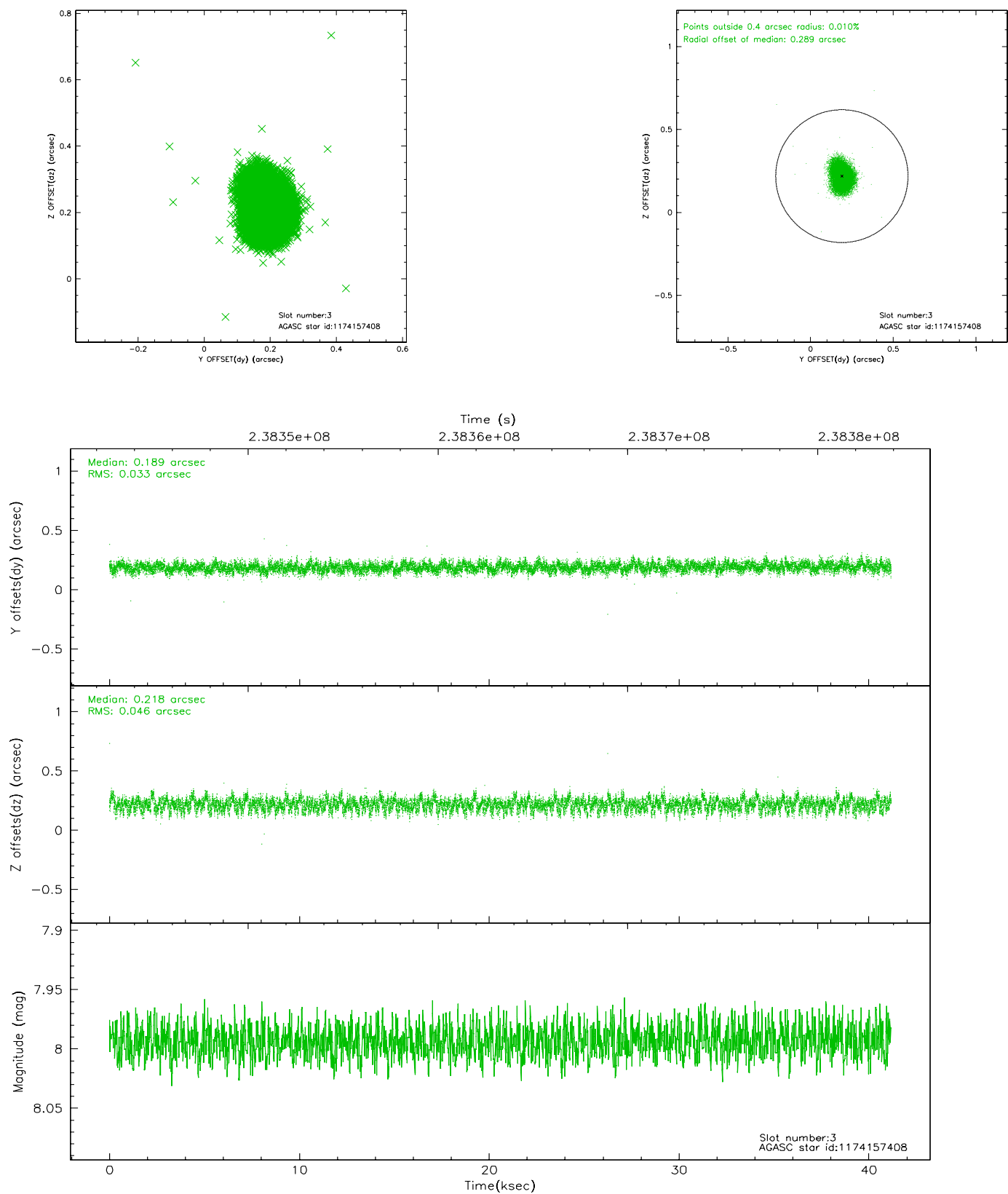


Slot Statistics

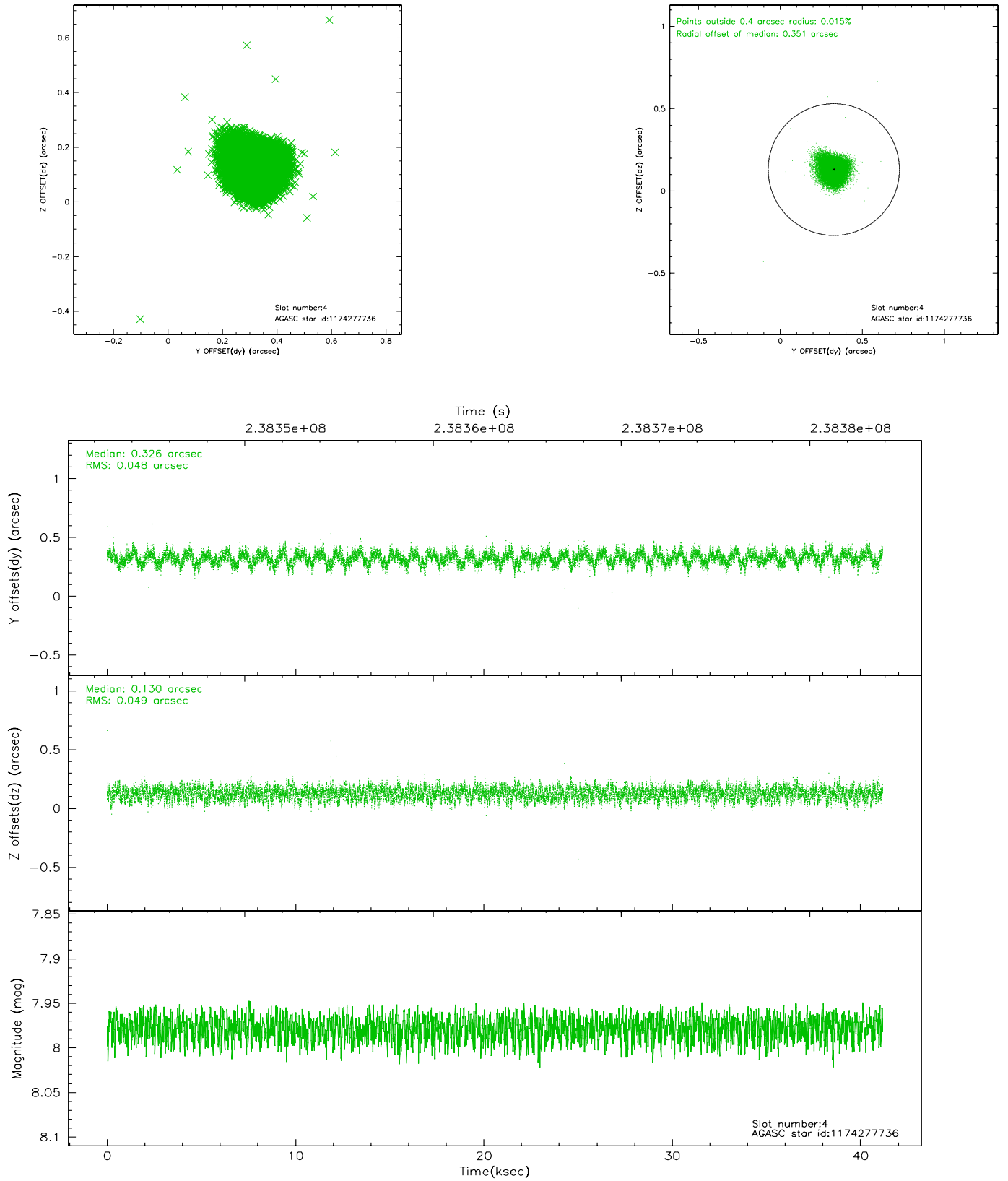
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	10042	-0.010	-0.014	0.030	0.069	0.000000	0.000000	933.52	-834.10
1	FID	ACIS-I-4	7.18	10043	0.048	0.037	0.029	0.045	0.000000	0.000000	2153.64	1065.74
2	FID	ACIS-I-5	7.22	10044	-0.138	0.048	0.016	0.028	0.000000	0.000000	-1814.59	1063.63
3	GUIDE	1174157408	7.99	20087	0.189	0.218	0.060	0.098	167.115550	-61.626529	1936.26	-86.64
4	GUIDE	1174277736	7.98	20088	0.326	0.130	0.073	0.114	167.205882	-61.559450	1659.96	-162.76
5	GUIDE	1174281840	8.16	20087	-0.155	-0.190	0.074	0.116	167.912903	-60.443364	-1958.53	-2302.41
6	GUIDE	1174282480	7.02	20090	-0.356	-0.017	0.048	0.078	168.099465	-60.378692	-2360.52	-2248.39
7	GUIDE	1174286632	8.71	20083	-0.001	-0.138	0.068	0.107	169.069142	-61.673672	-399.08	2306.41

2.4 Star Slots

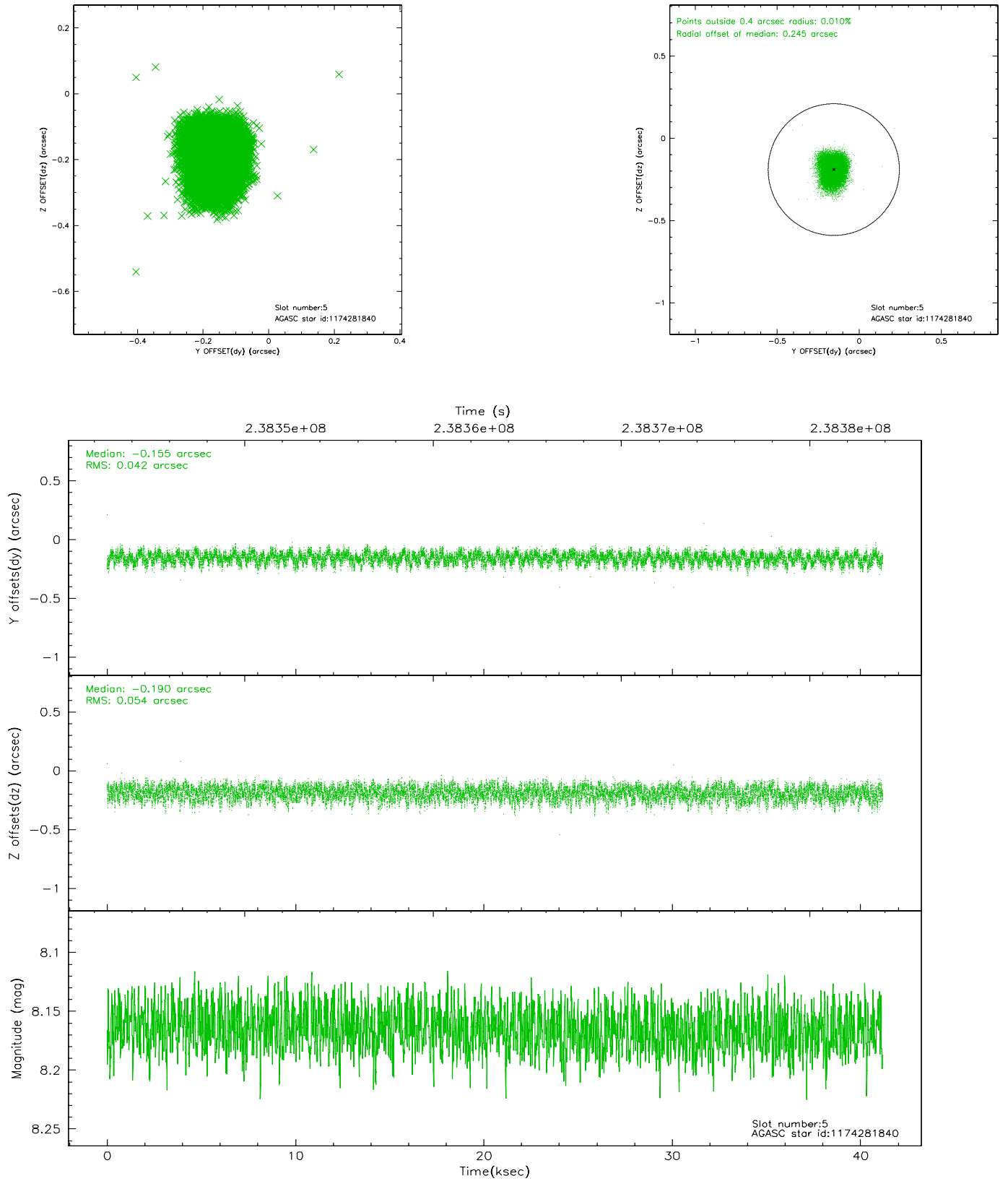
2.4.1 Slot 3



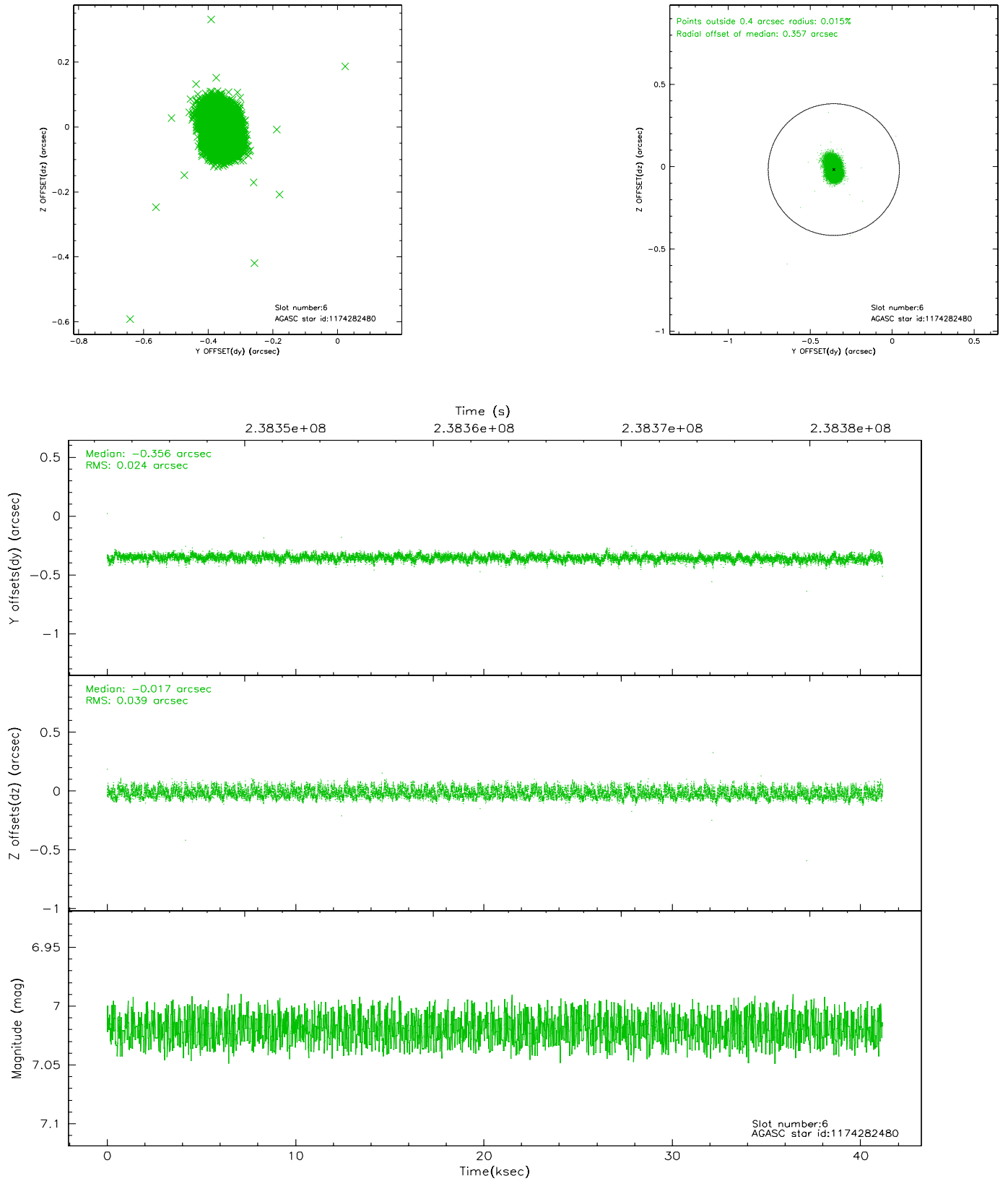
2.4.2 Slot 4



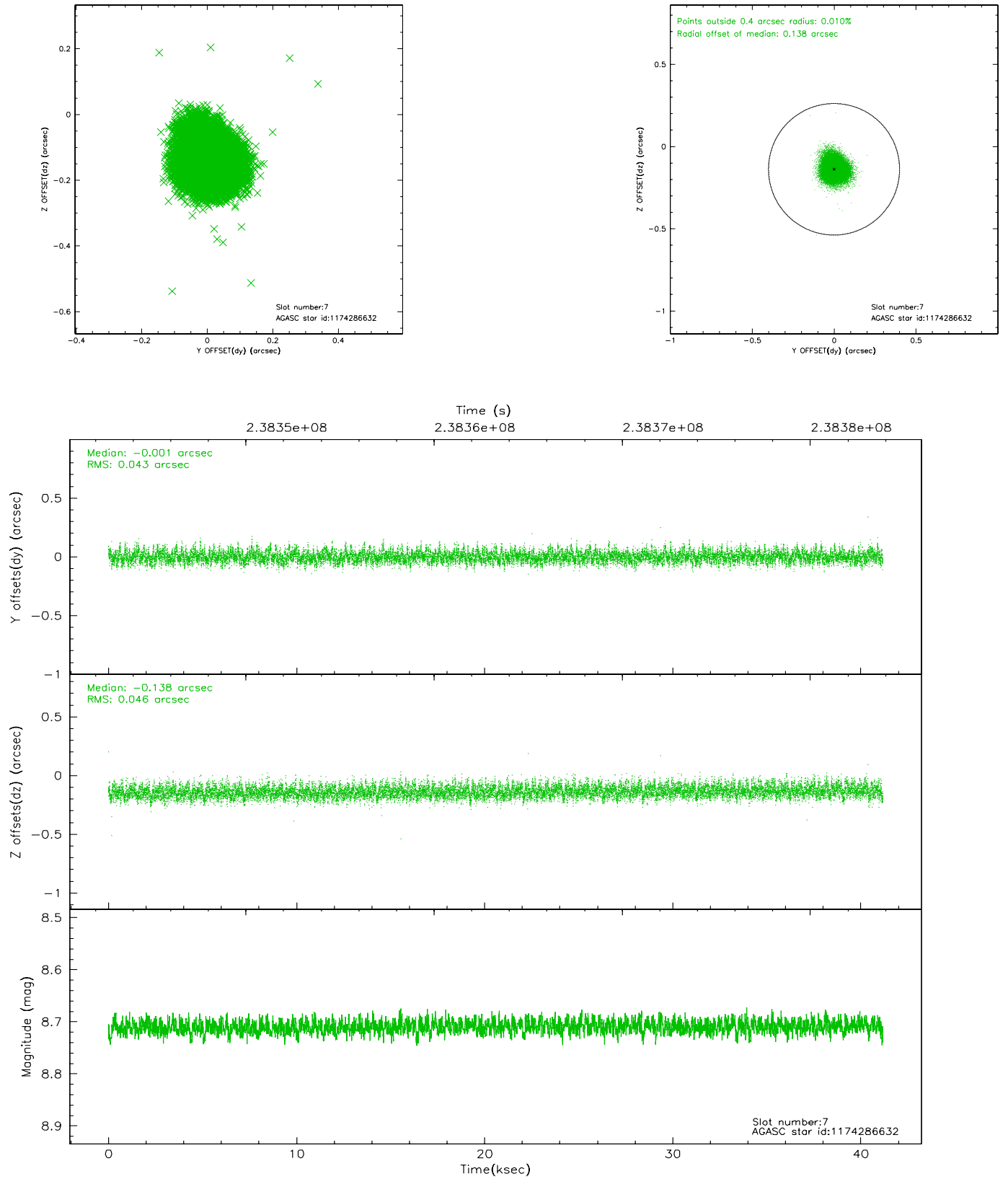
2.4.3 Slot 5



2.4.4 Slot 6

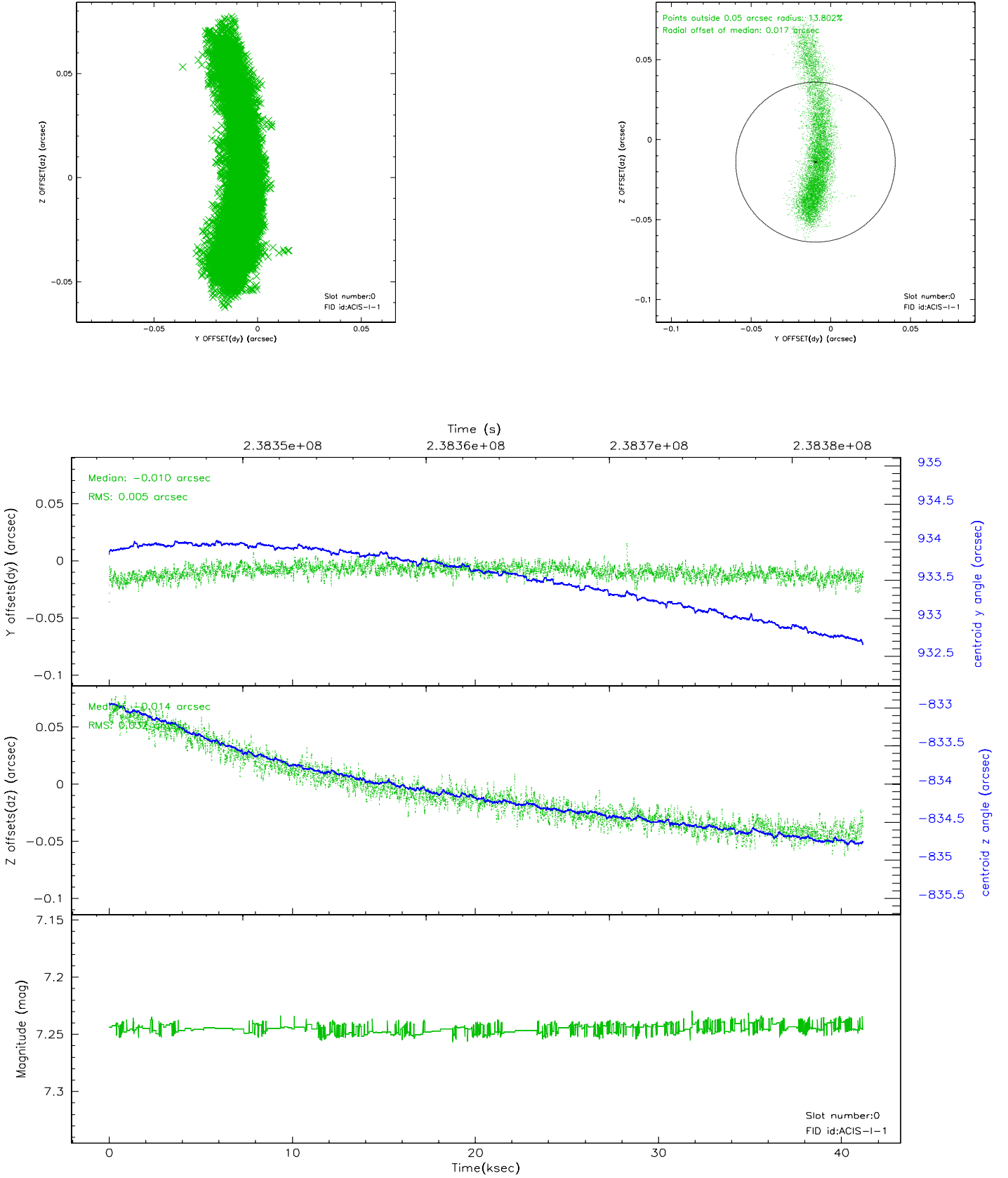


2.4.5 Slot 7

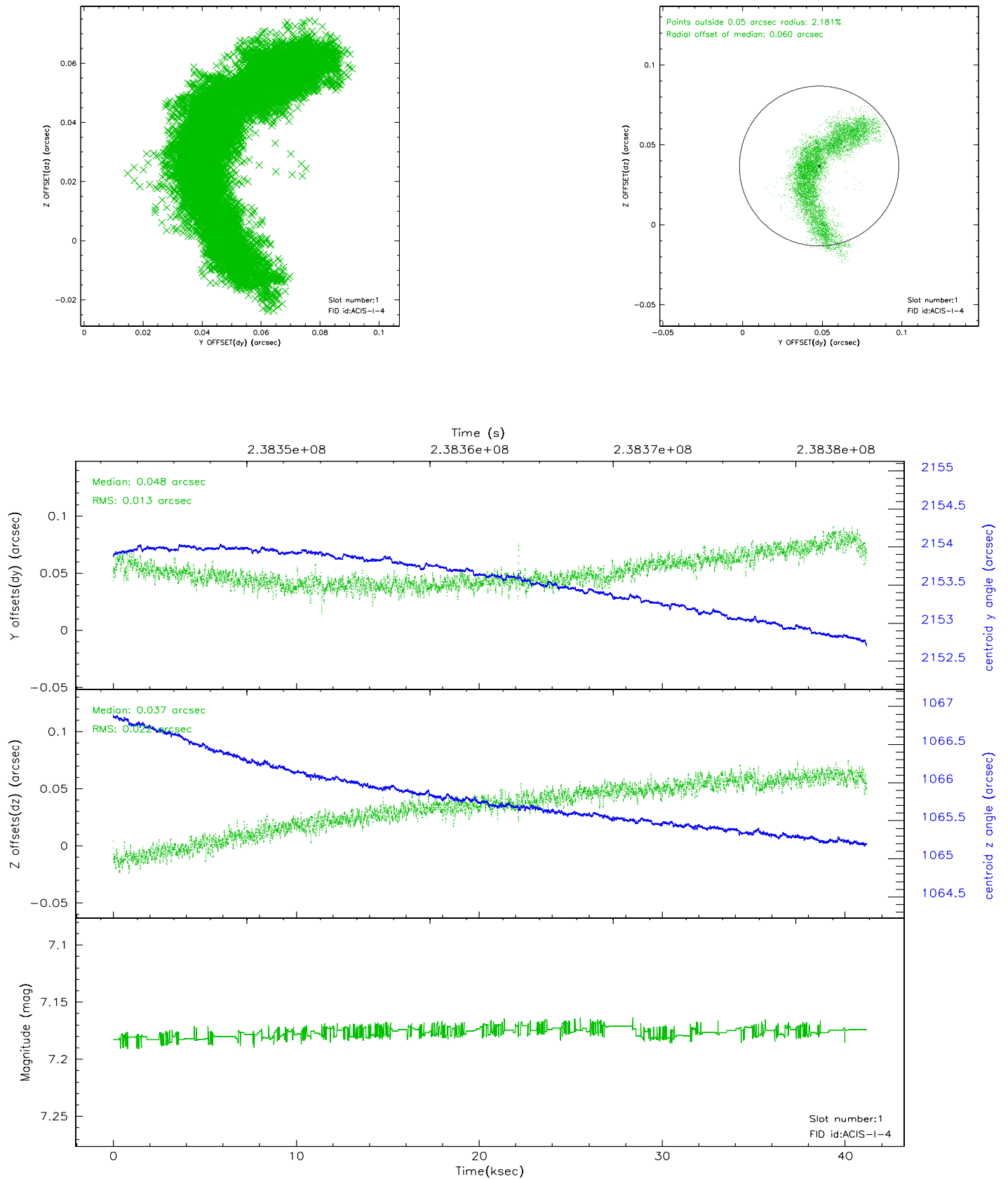


2.5 FID Slots

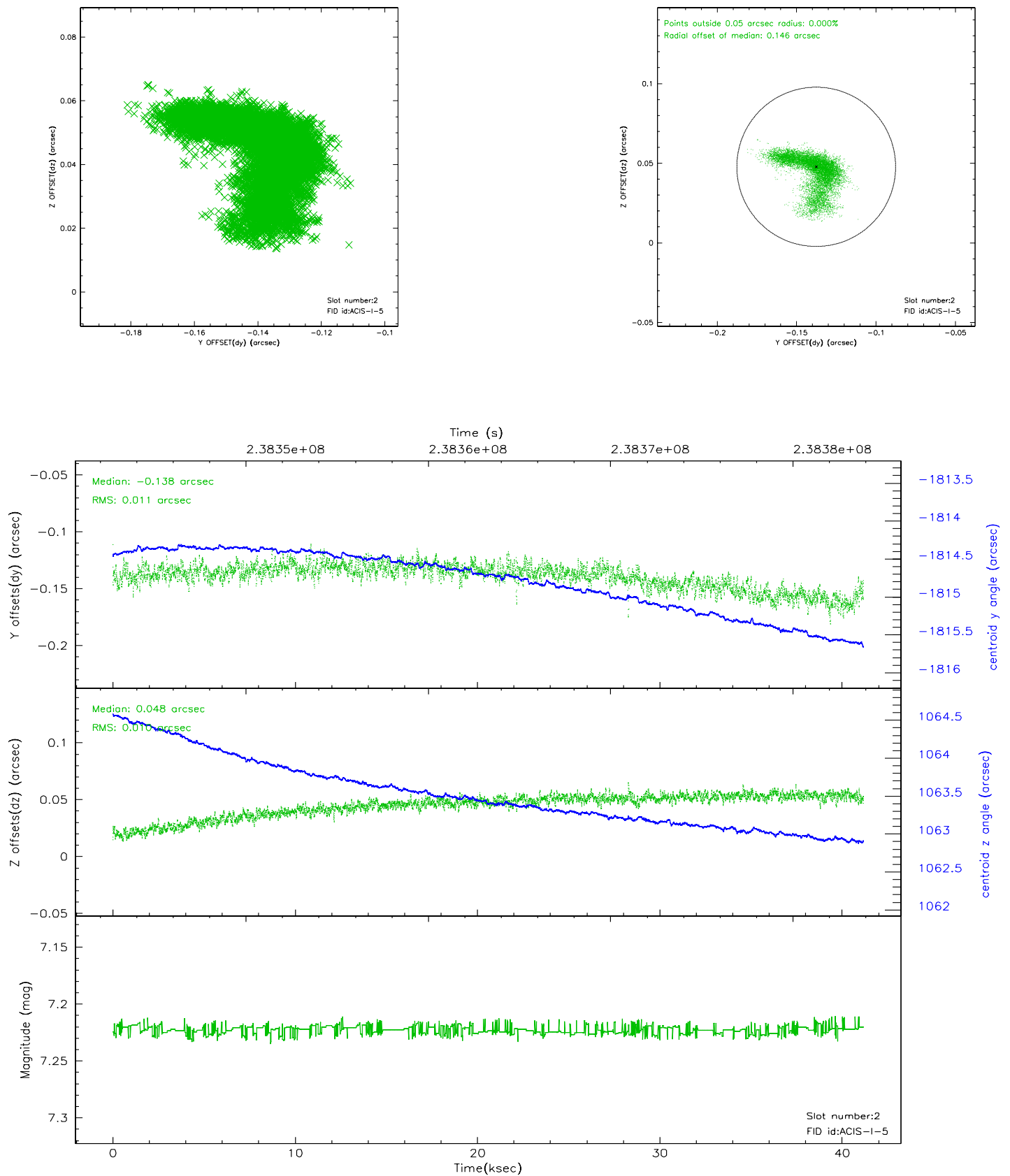
2.5.1 Slot 0



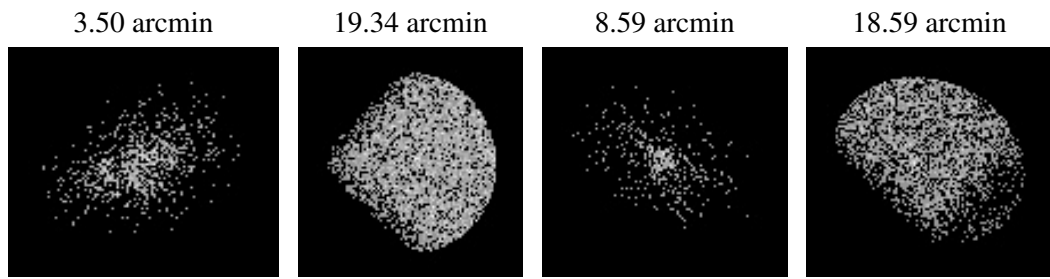
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.02399

A.2 Comments

Focal plane temperature is elevated briefly at the beginning of the observation.