

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2229 - L2 Version 001
Chandra X-Ray Center

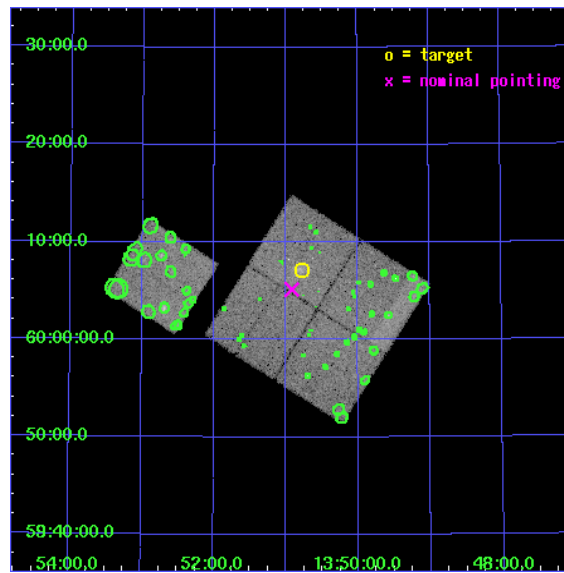
L2 Processing Date : Dec 21 2006

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

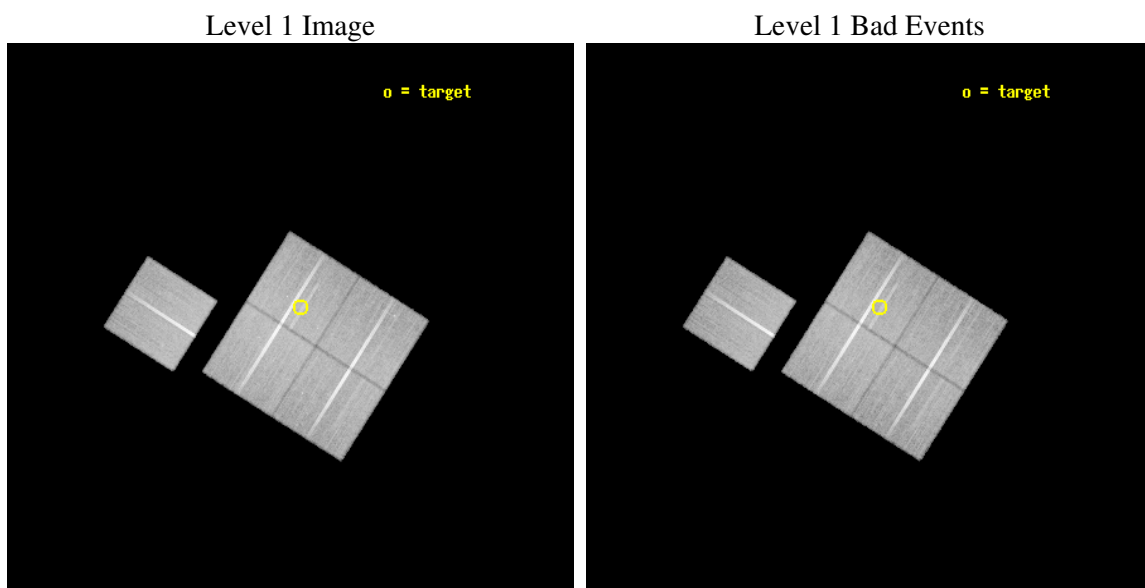
seq_num	800168
obs_id	2229
title	A COMPLETE X-RAY CLUSTER SAMPLE AT $Z > 0.8$
observer	Dr. Spencer Stanford
object	RX J1350.0+6007
dtcycle	0
cycle	P
ra_targ	207.692083
dec_targ	60.119167
ra_nom	207.72921081018
dec_nom	60.086280439961
roll_nom	302.3453631465
revision	2
ontime	59079.595035285
livetime	58307.676632384
ontime0	59085.876985714
ontime1	59092.158926129
ontime2	59095.299886376
ontime3	59079.595035285
ontime6	59079.595015407
l2events	128265



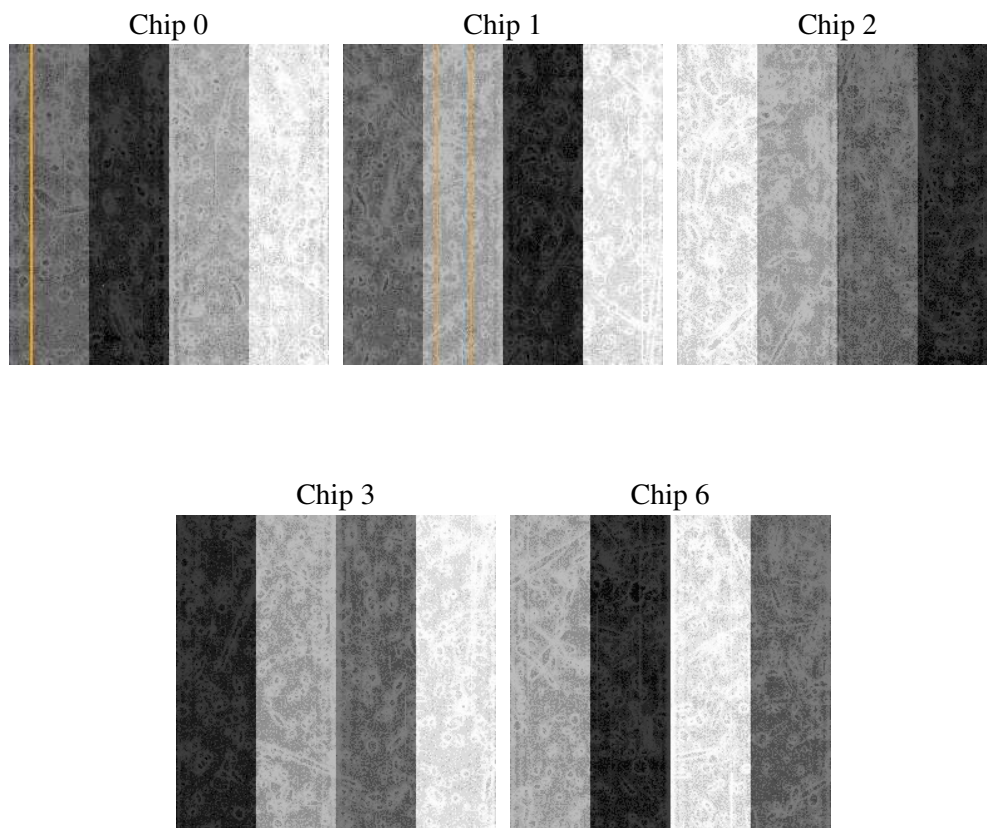
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-22T00:13:18
revision	2

sched_exp_time	58990.000000
ontime	59085.324434057
ontime0	59091.606384486
ontime1	59097.888324901
ontime2	59101.029285148
ontime3	59085.324434057
ontime6	59085.324414179
l1events	1511465

2.1.4 Events

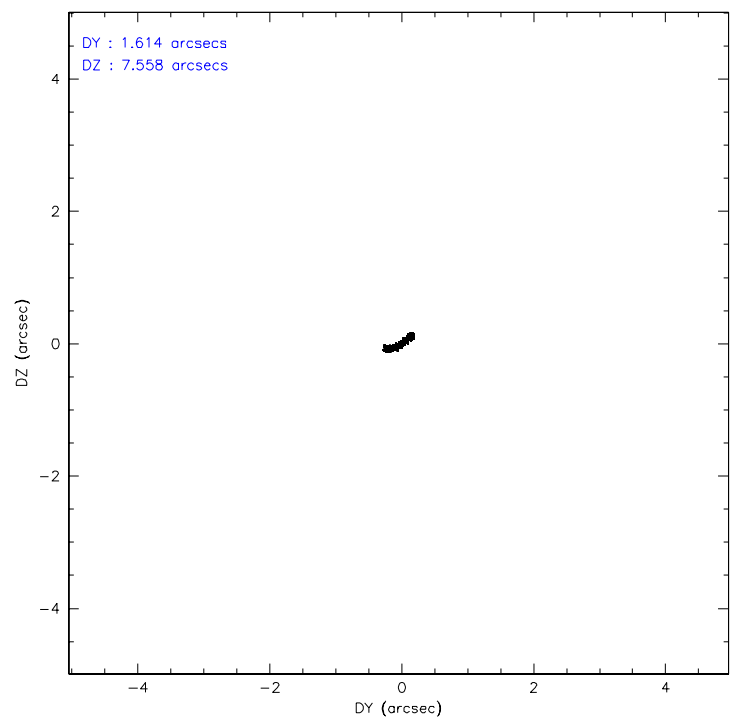
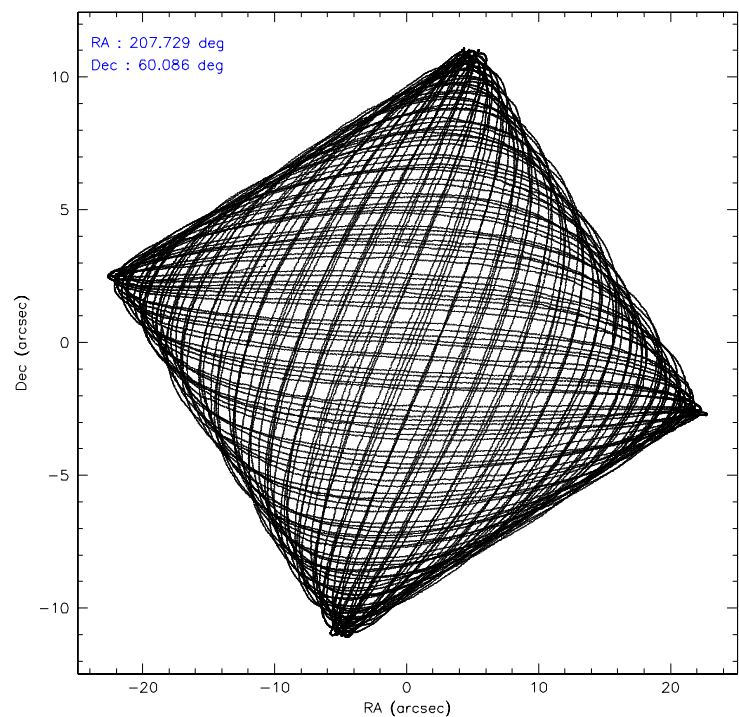
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	283362	284027	328670	306611	308795
rejected events	252742	249312	297926	277348	275781
rejected %	89%	87%	90%	90%	89%

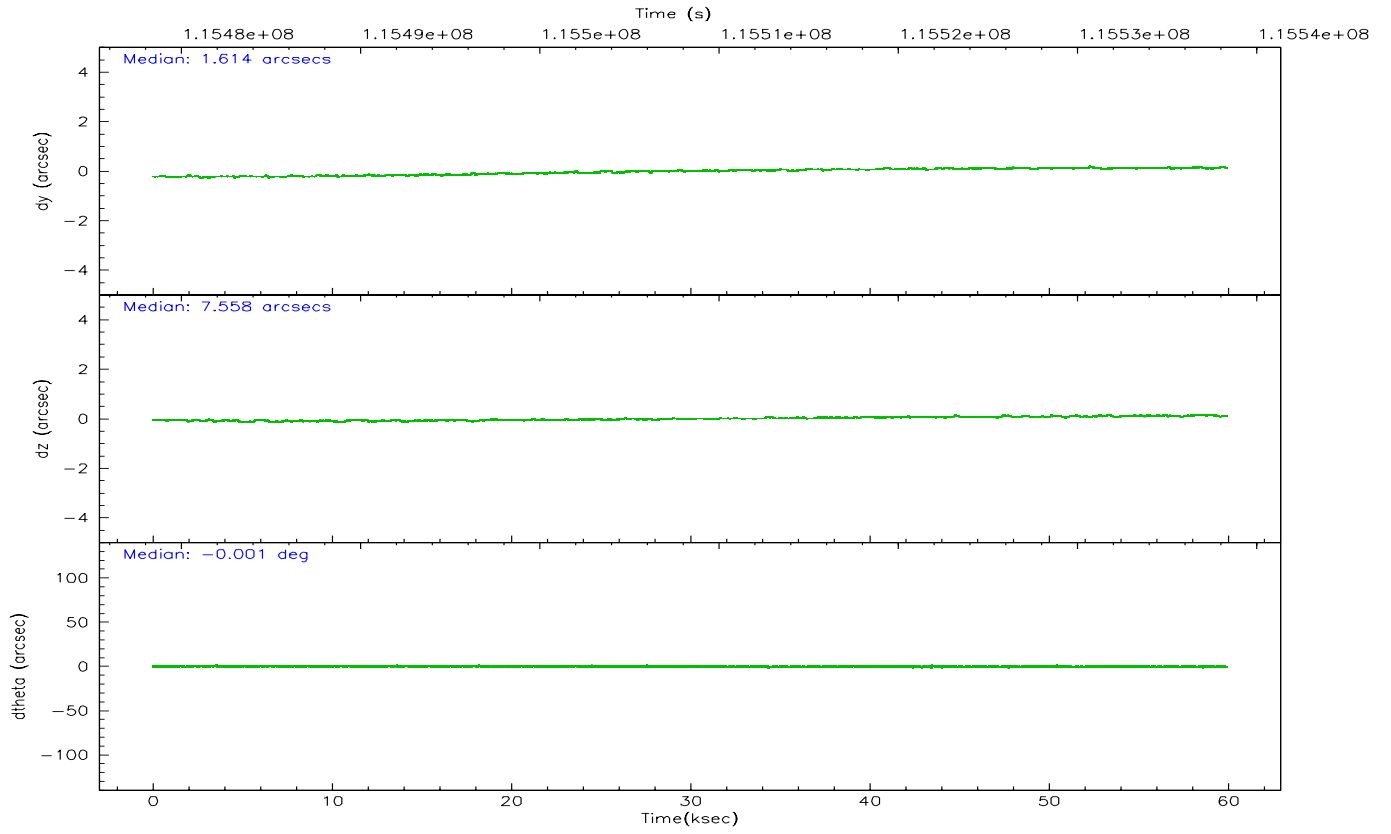
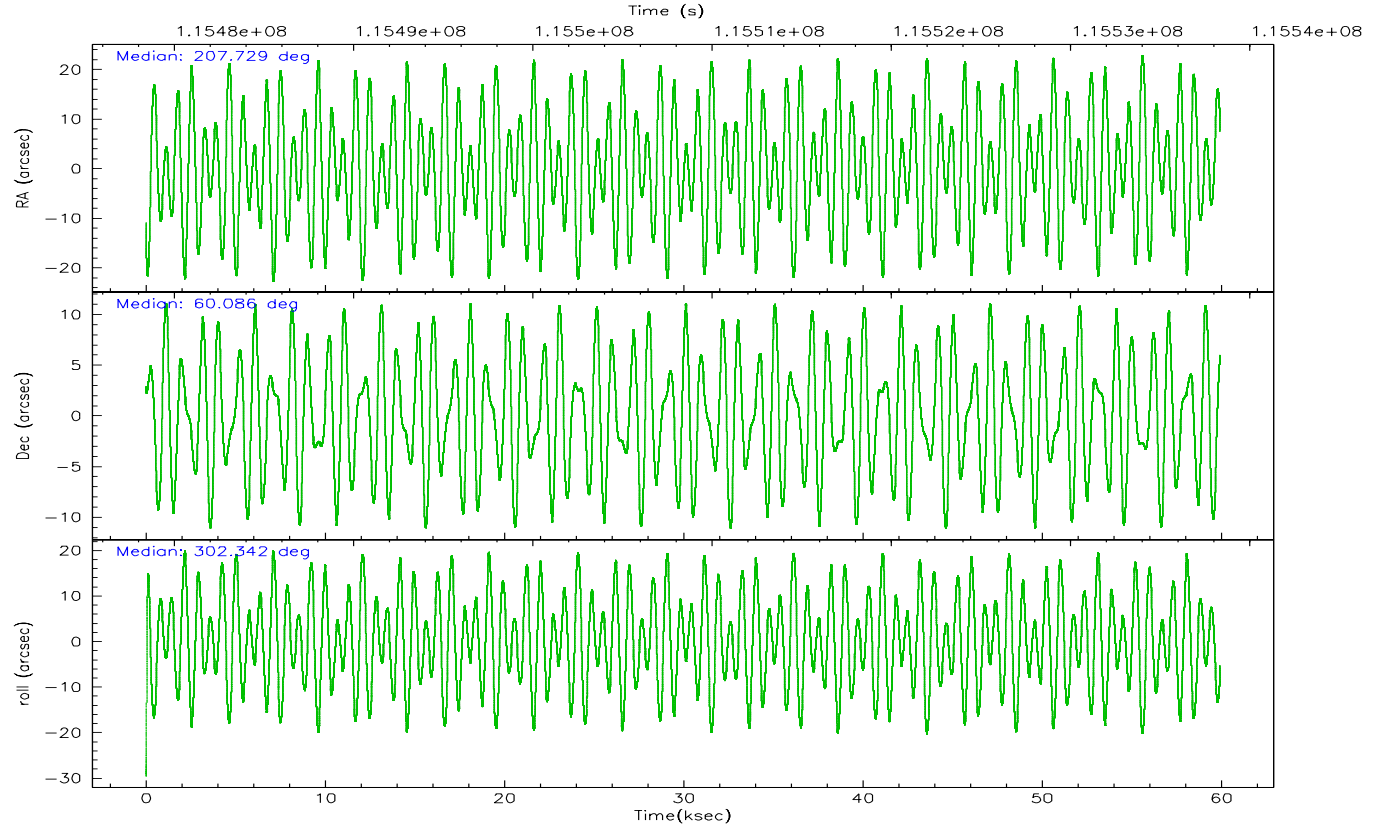
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	11661	13334	12079	11549	13331
	4%	4%	3%	3%	4%
grade 1 events	118	114	135	118	126
	0%	0%	0%	0%	0%
grade 2 events	6750	7165	6789	5874	6590
	2%	2%	2%	1%	2%
grade 3 events	3465	3929	3137	3173	3531
	1%	1%	0%	1%	1%
grade 4 events	3184	3761	3324	3212	3475
	1%	1%	1%	1%	1%
grade 5 events	9247	9938	8951	10130	10626
	3%	3%	2%	3%	3%
grade 6 events	5563	6530	5417	5460	6092
	1%	2%	1%	1%	1%
grade 7 events	243374	239256	288838	267095	265024
	85%	84%	87%	87%	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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	207.680431	207.7292108101841	Subarray requested	NONE	NONE
Pointing Dec	60.098975	60.08628043996117	Alternating exposures requested	N	N
Pointing Roll	302.178973	302.345363146498	Primary exposure time	0.000000	3.1
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-225.592463	-225.5818545406617			
SIM translation stage offset (mm)	-8	-8.010598462268035			
Observation start time	115479350.184000	115478012.88379			
Observation start date	2001-08-29T13:34:46	2001-08-29T13:13:32			
Observation end time	115538340.184000	115538783.59869			
Observation end date	2001-08-30T05:57:56	2001-08-30T06:06:23			
Read mode	TIMED	TIMED			

2.3 Aspect



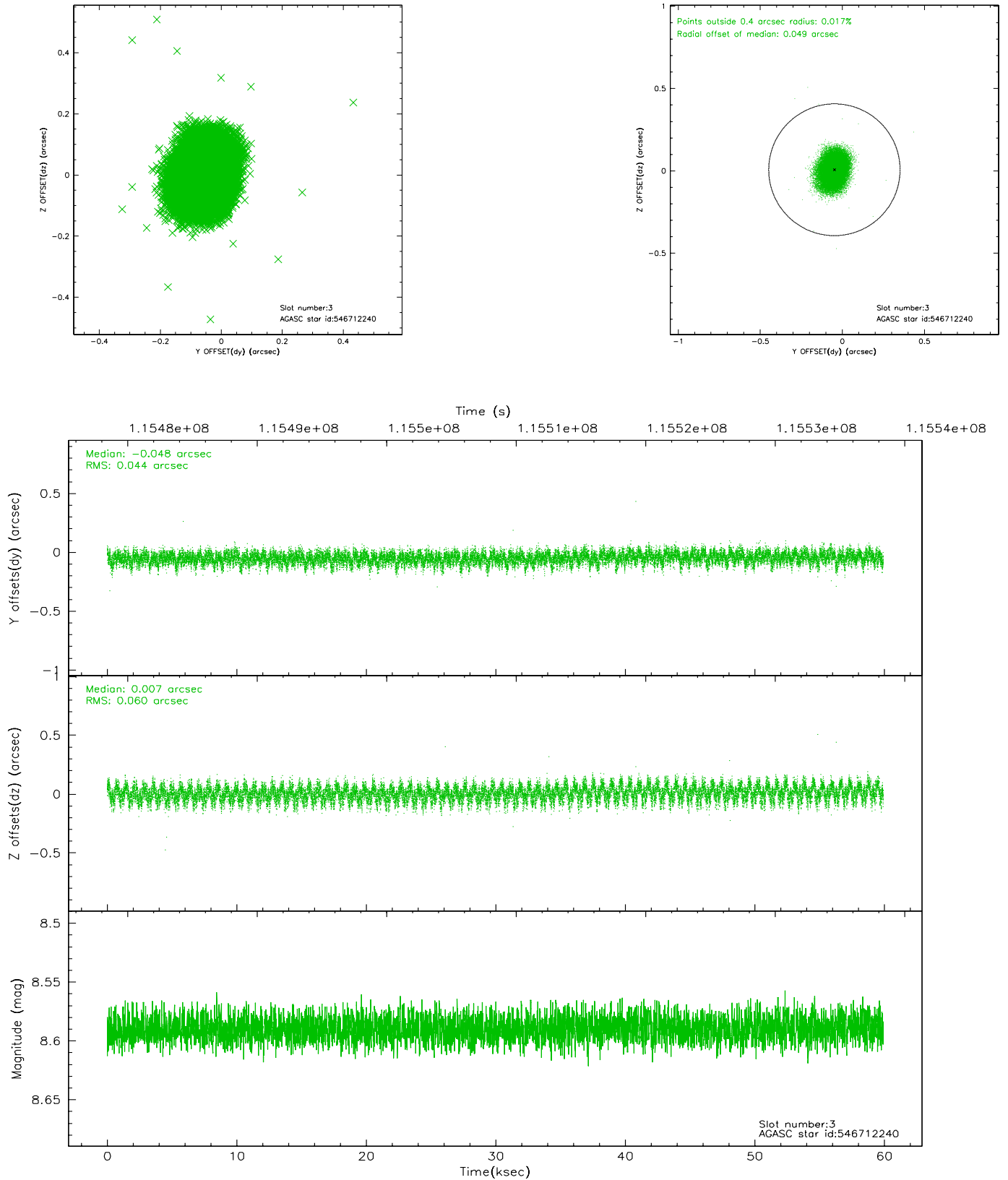


Slot Statistics

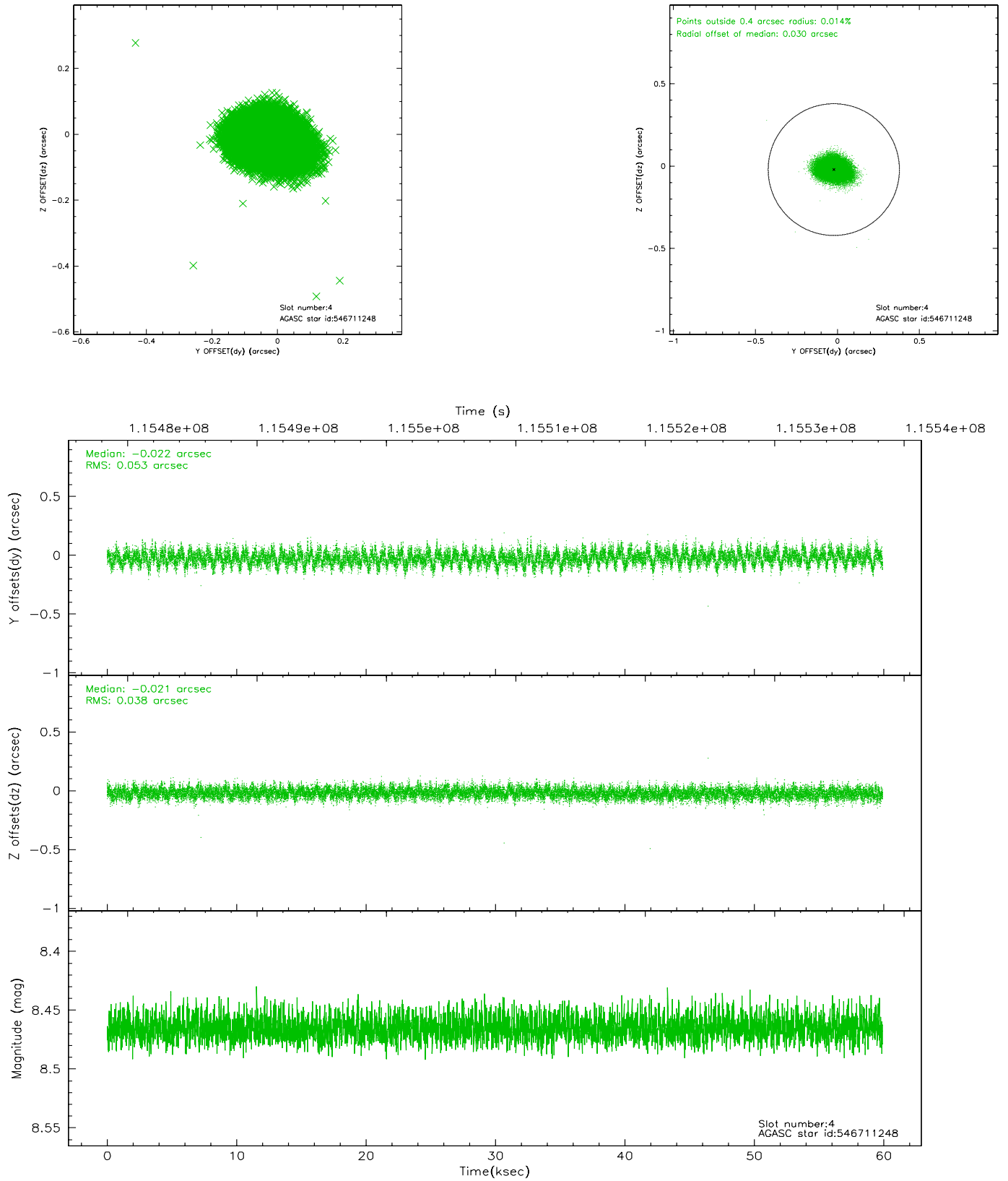
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	14618	0.046	-0.009	0.015	0.025	0.000000	0.000000	938.12	-995.44
1	FID	ACIS-I-5	7.23	14617	-0.118	0.078	0.019	0.029	0.000000	0.000000	-1810.15	902.17
2	FID	ACIS-I-6	7.26	14617	-0.021	0.001	0.010	0.016	0.000000	0.000000	403.67	1546.53
3	GUIDE	546712240	8.59	29227	-0.048	0.007	0.080	0.128	206.739828	60.167374	-1115.35	-1287.64
4	GUIDE	546711248	8.47	29232	-0.022	-0.021	0.069	0.112	207.532370	60.520351	-1423.69	586.49
5	GUIDE	505546600	8.61	29233	-0.049	0.017	0.067	0.105	207.848312	59.549938	1835.95	-792.45
6	GUIDE	505545928	8.91	29225	0.073	0.019	0.128	0.188	206.623191	59.944802	-557.75	-1900.23
7	GUIDE	505685392	9.17	29223	0.037	-0.023	0.089	0.142	209.144526	59.769272	2393.00	1630.03

2.4 Star Slots

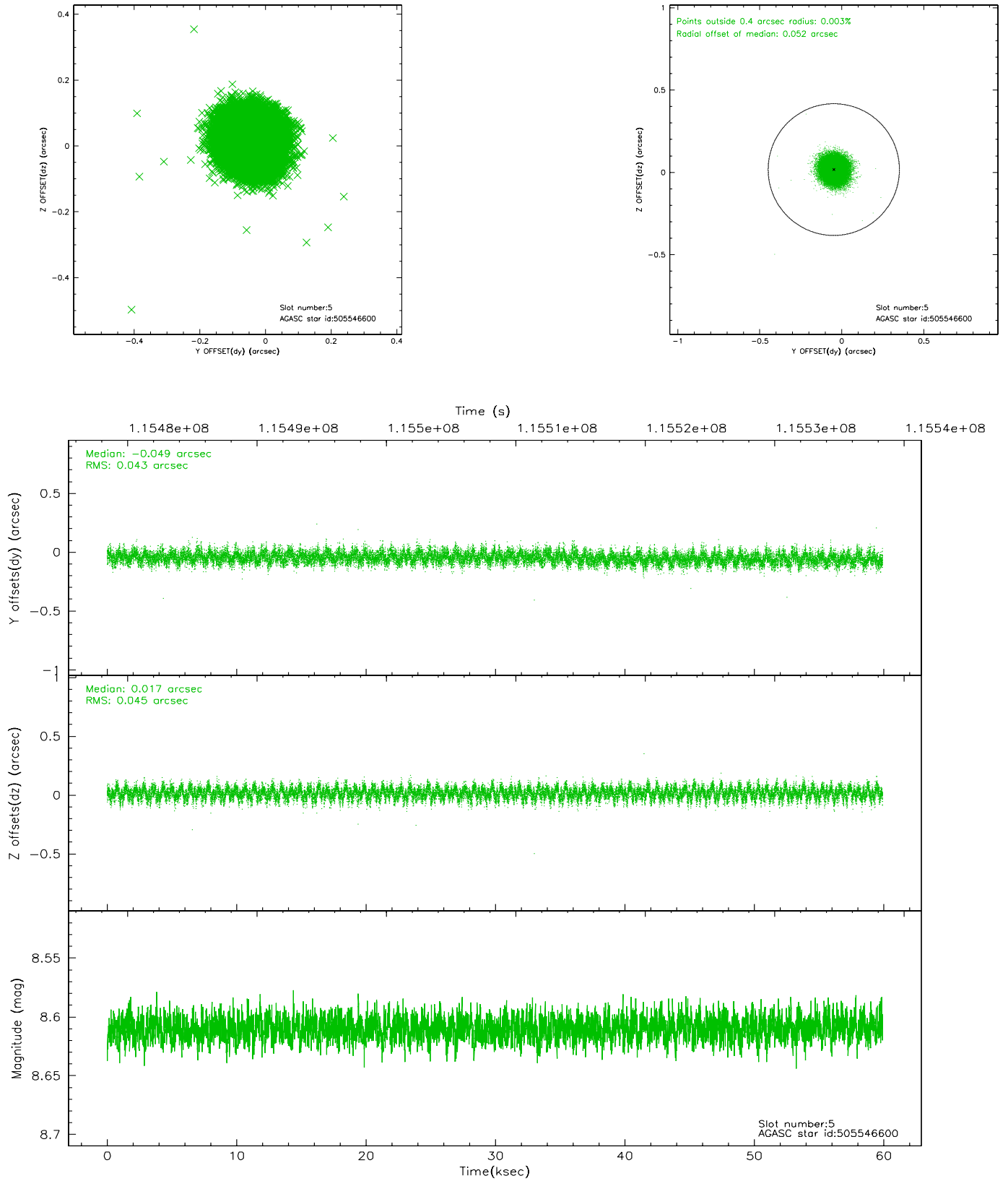
2.4.1 Slot 3



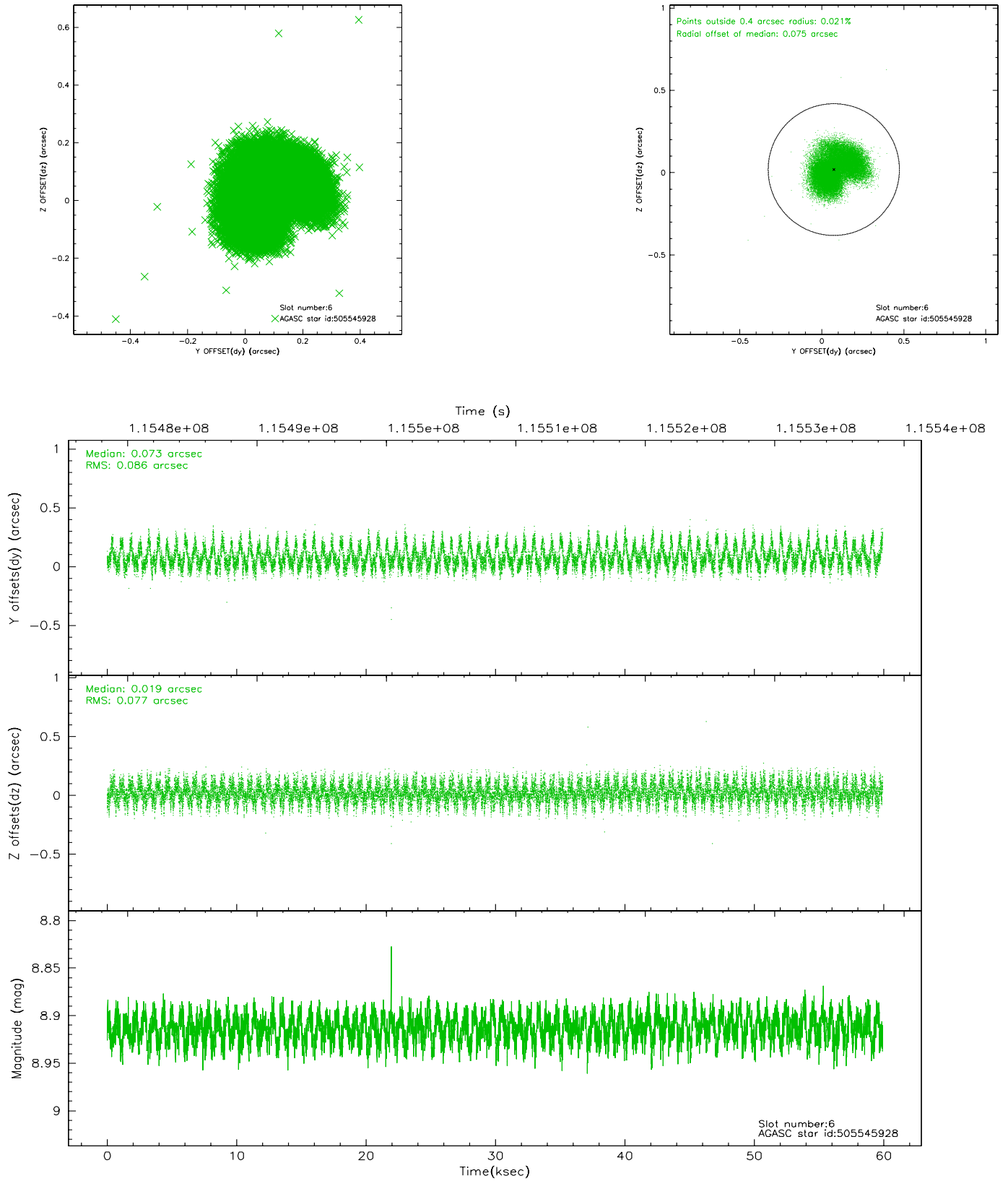
2.4.2 Slot 4



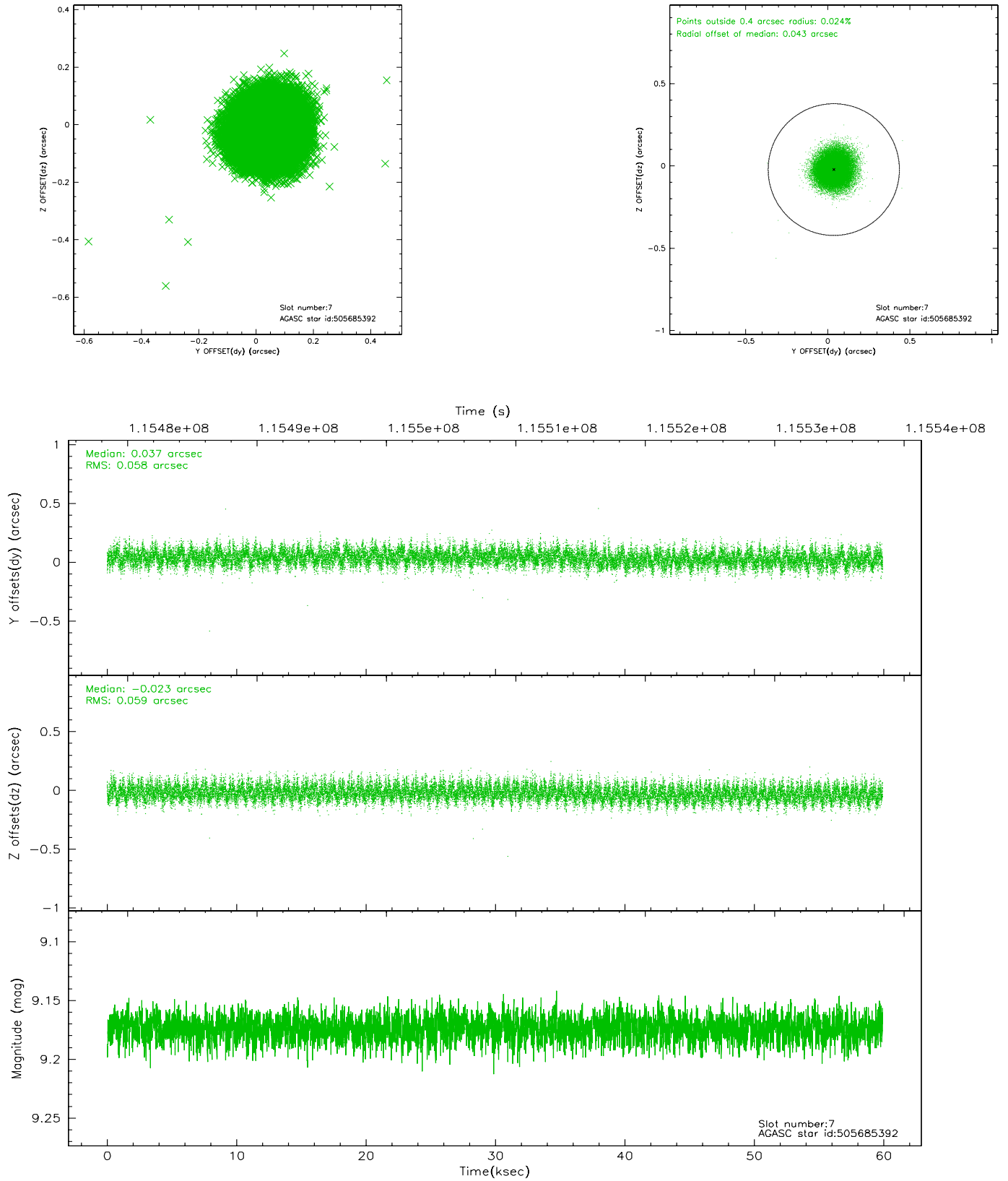
2.4.3 Slot 5



2.4.4 Slot 6

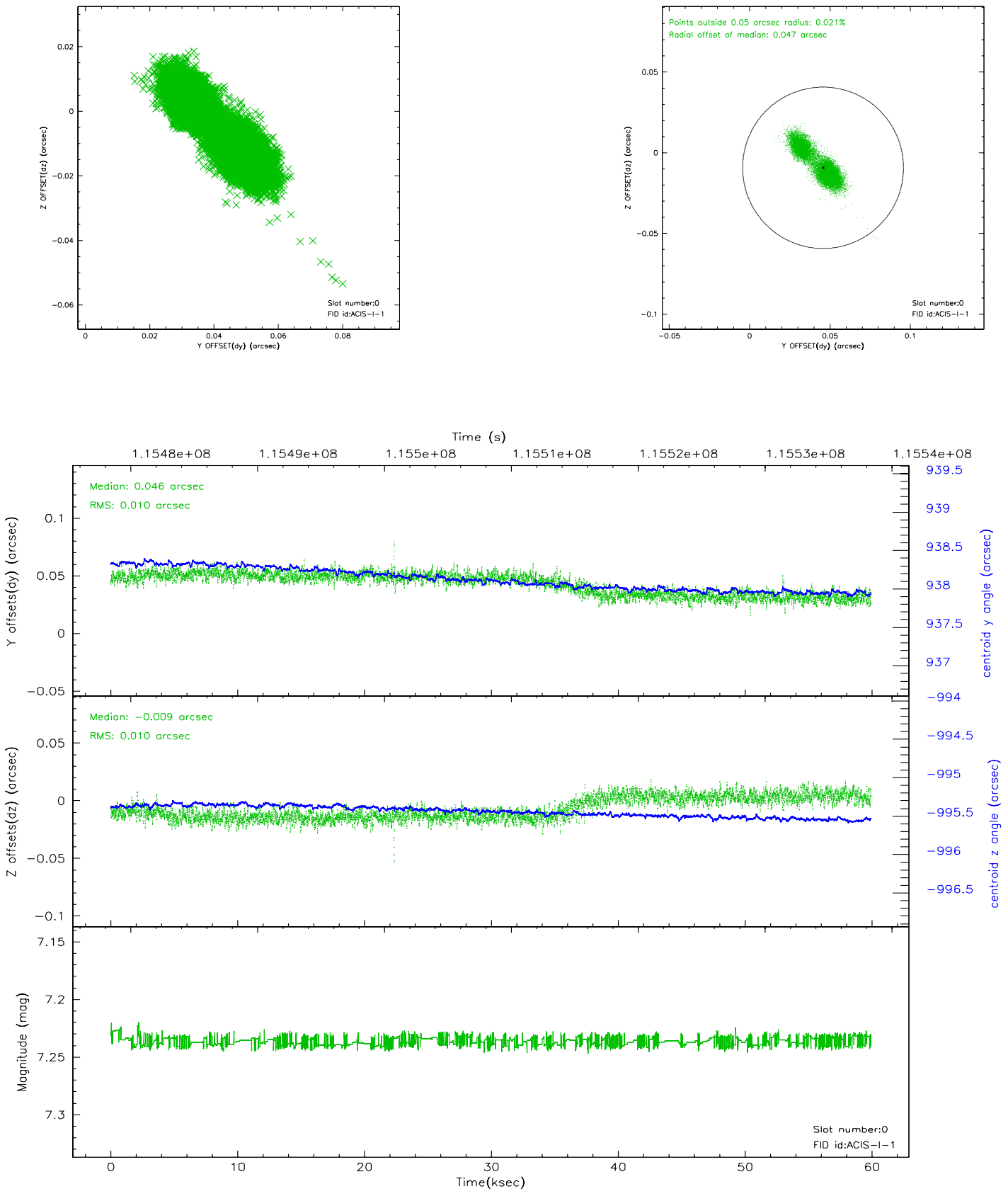


2.4.5 Slot 7

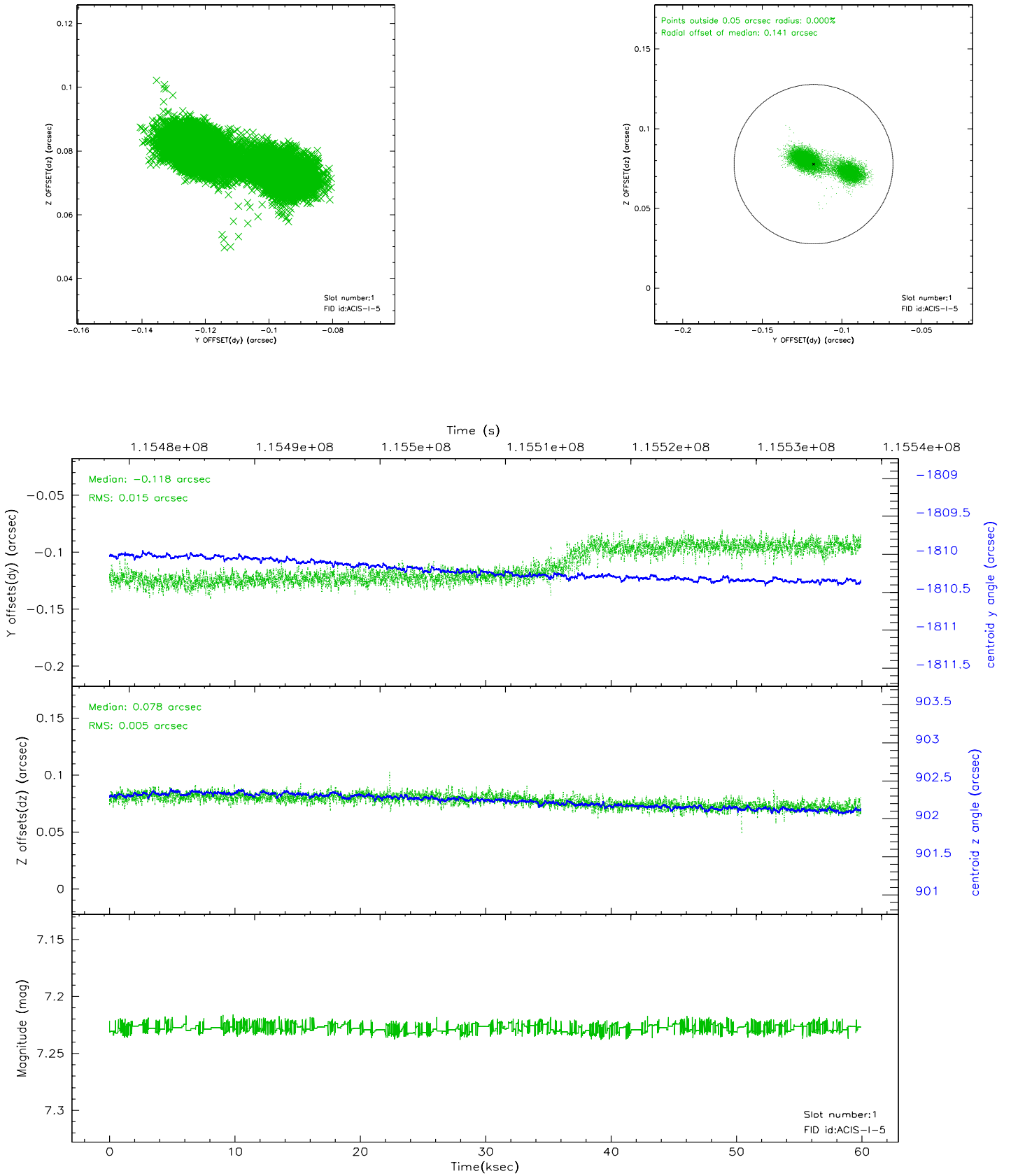


2.5 FID Slots

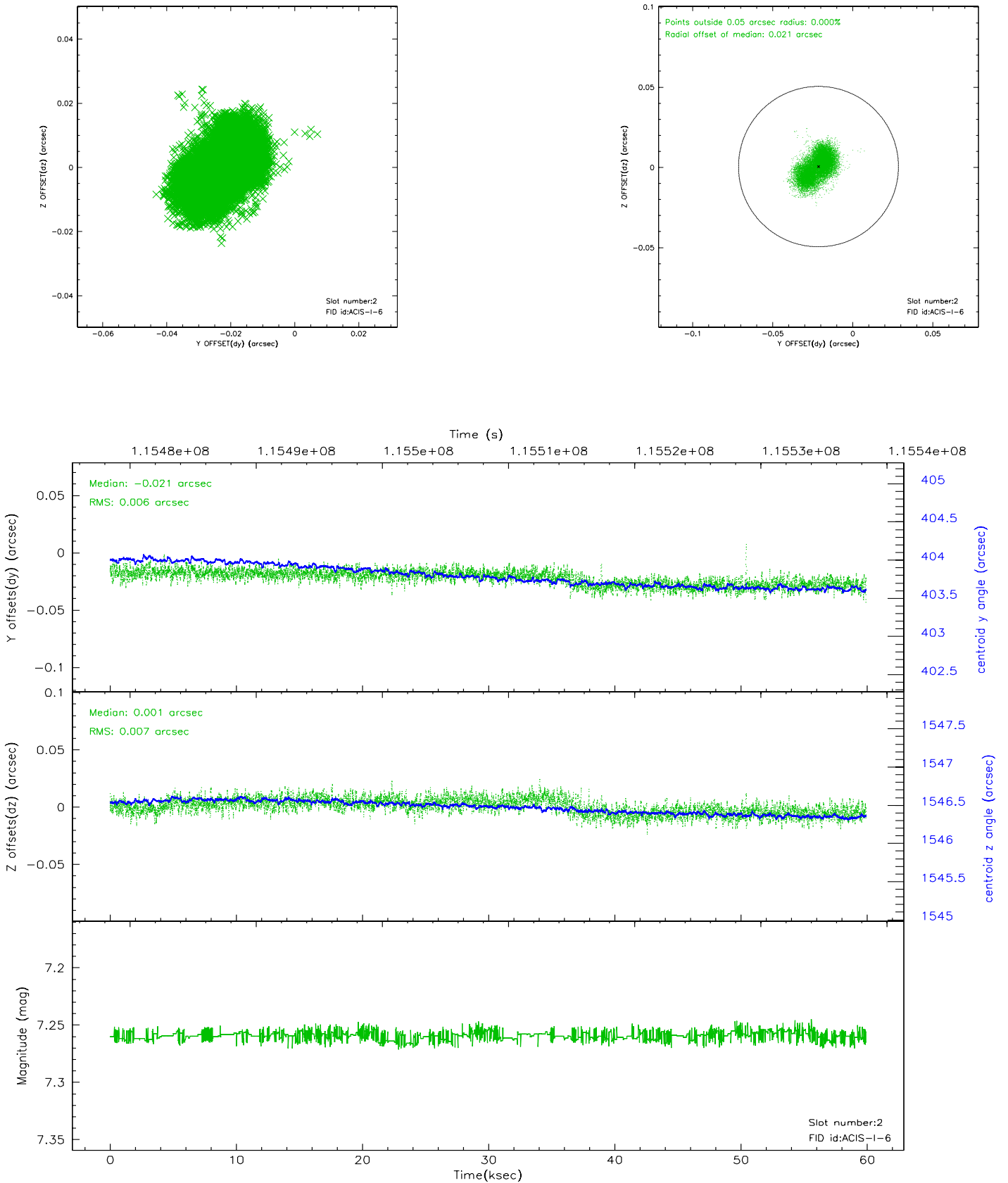
2.5.1 Slot 0



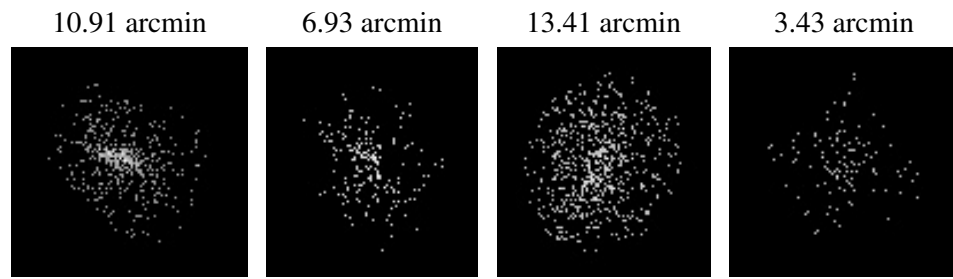
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.12.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	59.082

A.2 Comments

High event rates in I0; due to high radiation