

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5931 - L2 Version 002
Chandra X-Ray Center

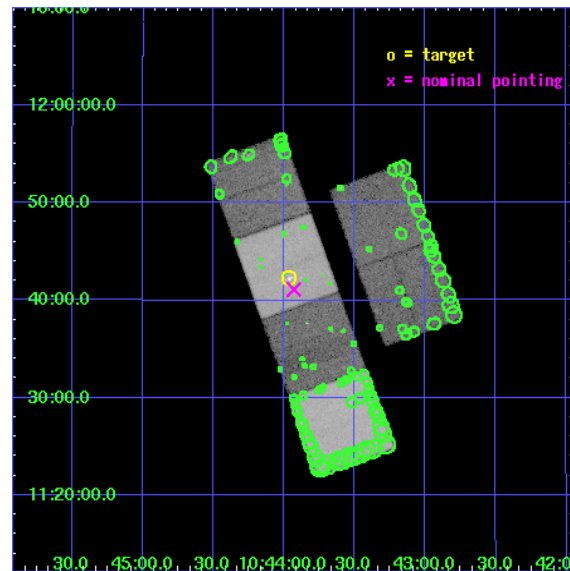
L2 Processing Date : Mar 12 2006

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

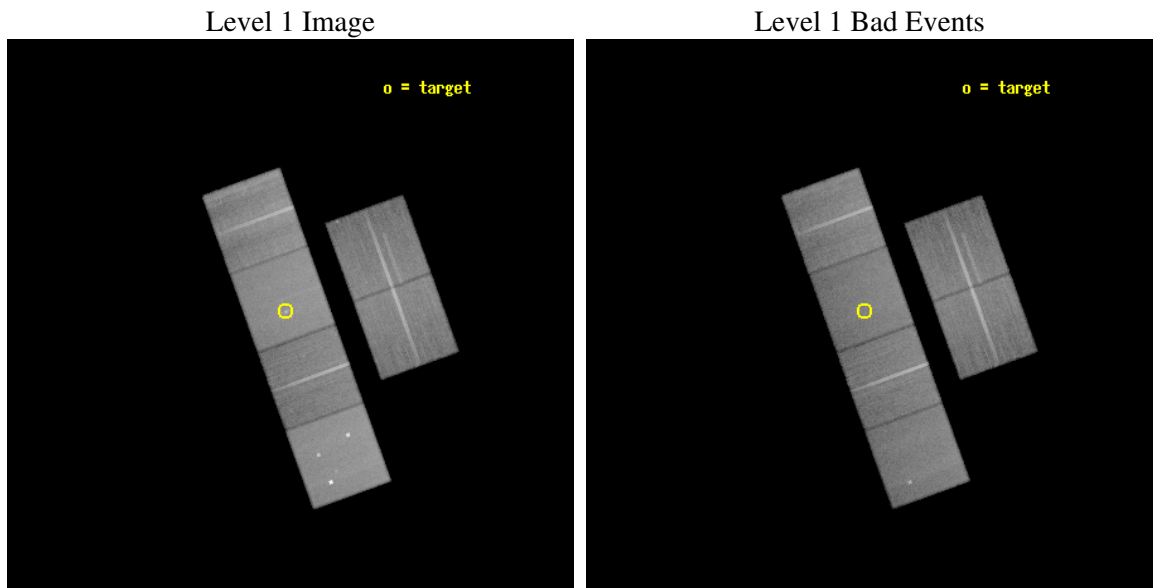
seq_num	600450
obs_id	5931
title	X-rays and Galactic Structure
observer	Dr. Douglas Swartz
object	NGC 3351
dtcycle	0
cycle	P
ra_targ	160.991667
dec_targ	11.704167
ra_nom	160.9828385081
dec_nom	11.685316531646
roll_nom	250.14381307157
revision	2
ontime	40060.75889042
livetime	39553.485439657
ontime2	40060.758880466
ontime3	40060.758880466
ontime5	40060.758910358
ontime6	40060.758880466
ontime7	40060.75889042
ontime8	40057.517920166
l2events	490671



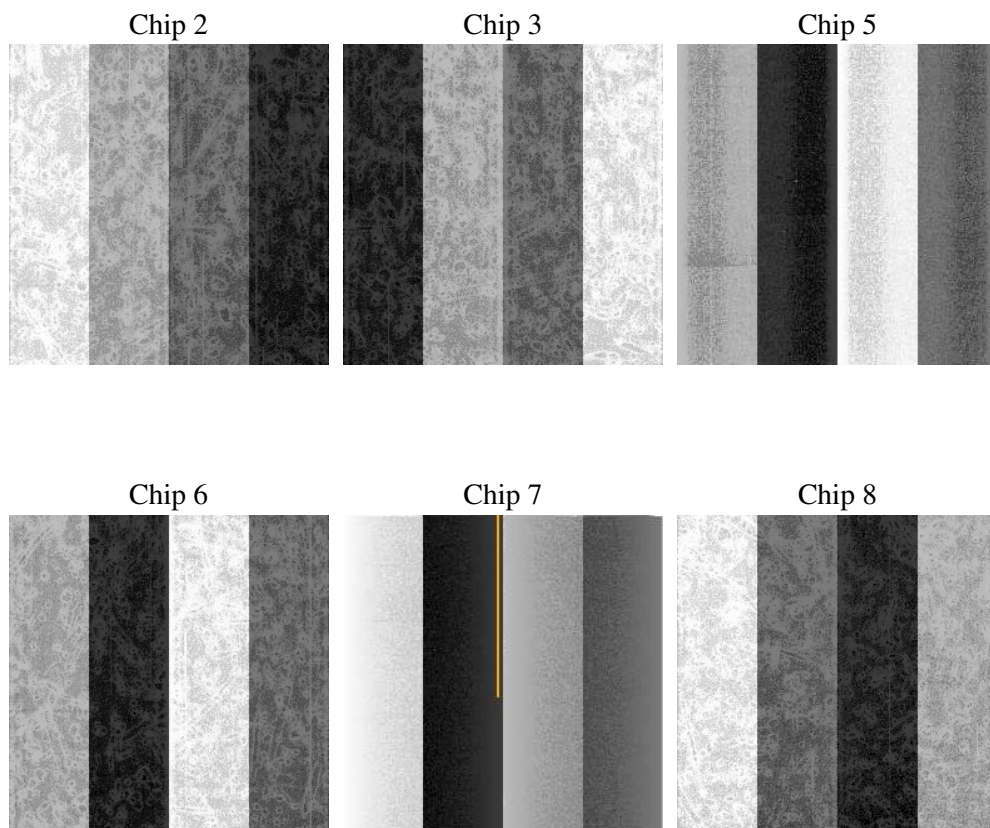
2 OBI

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	2006-03-12T02:50:02
revision	2

sched_exp_time	40000.000000
ontime	40065.254711866
ontime2	40065.254701912
ontime3	40065.254701912
ontime5	40065.254731804
ontime6	40065.254701912
ontime7	40065.254711866
ontime8	40062.013741612
l1events	2256777

2.1.4 Events

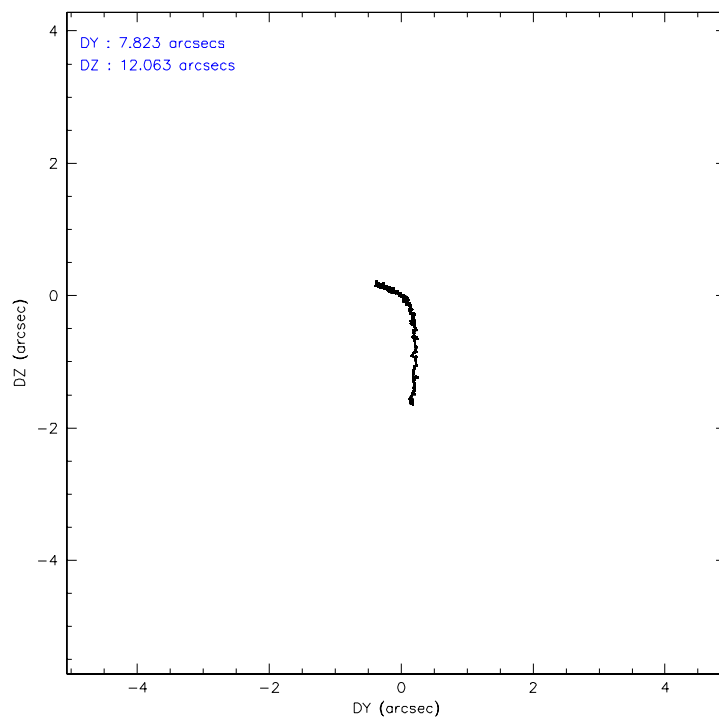
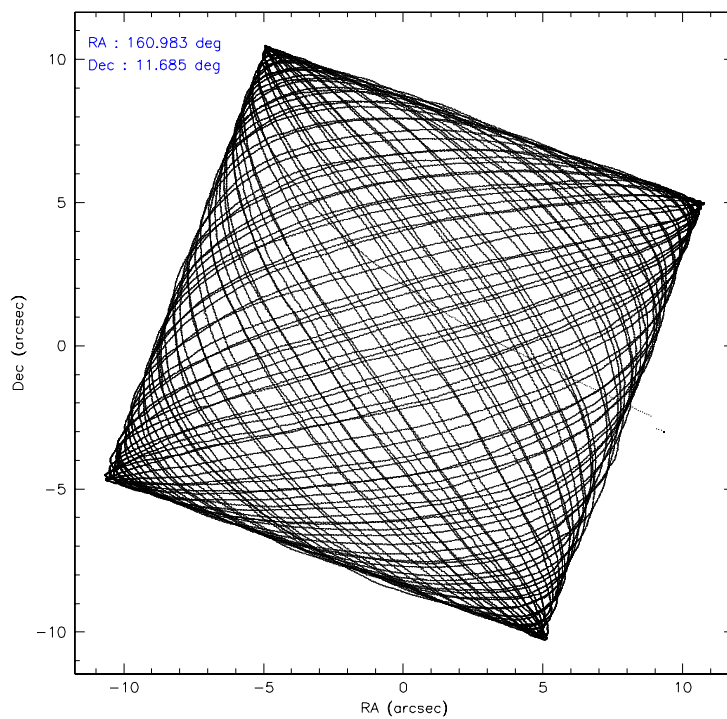
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	322996	301994	483884	319315	431343	397245
rejected events	285735	265451	266845	281832	266635	311731
rejected %	88%	87%	55%	88%	61%	78%

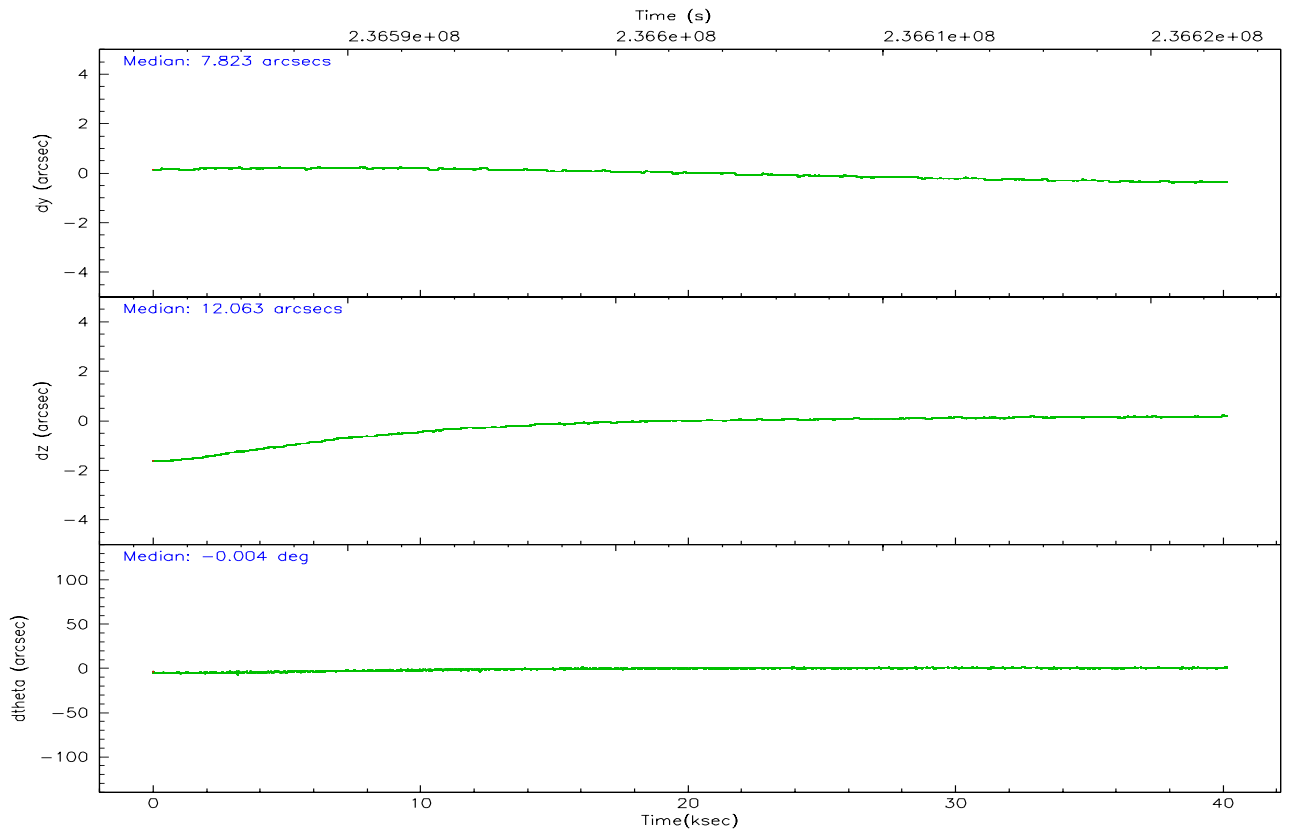
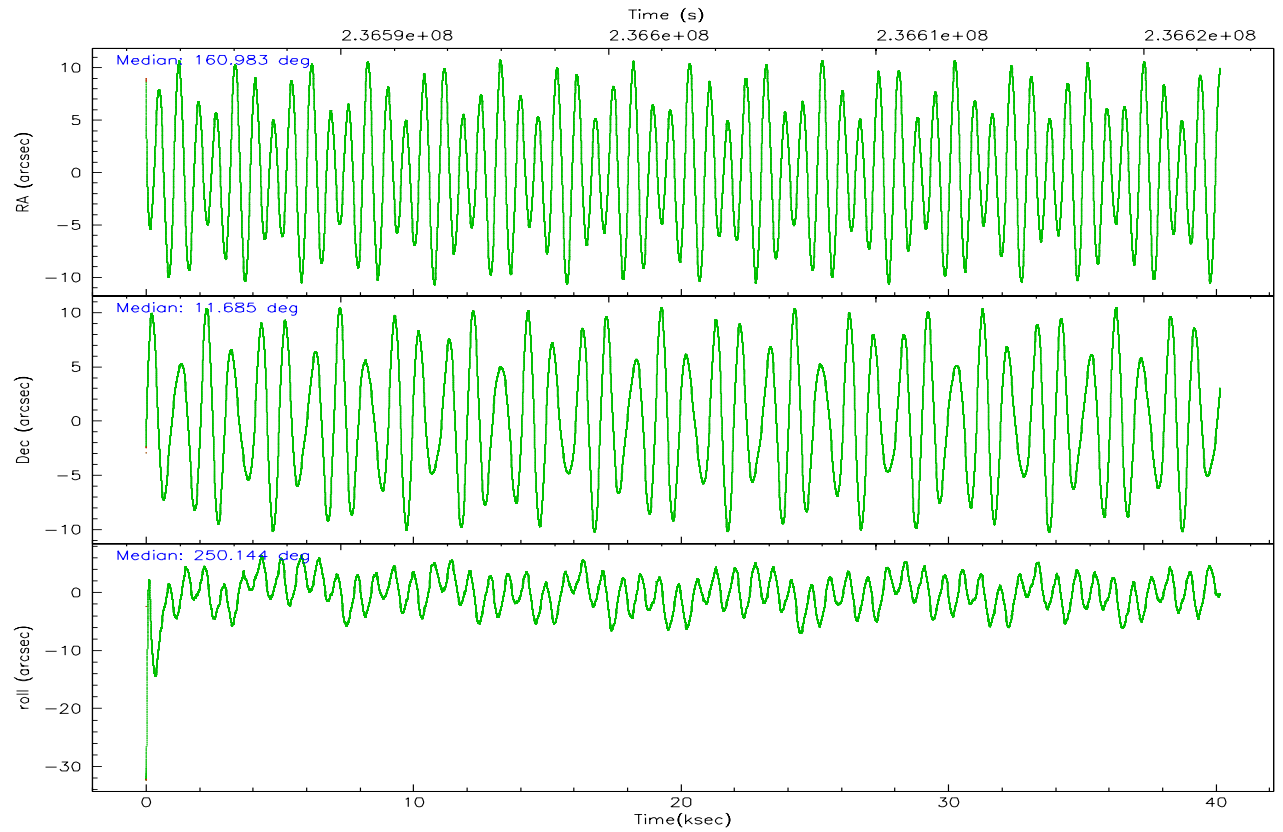
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	16482	15959	19153	14643	9904	27440
	5%	5%	3%	4%	2%	6%
grade 1 events	181	156	1686	168	250	282
	0%	0%	0%	0%	0%	0%
grade 2 events	7739	7159	69788	8006	41241	18756
	2%	2%	14%	2%	9%	4%
grade 3 events	3407	3527	4340	3687	8137	9089
	1%	1%	0%	1%	1%	2%
grade 4 events	3554	3505	4221	3561	7703	8493
	1%	1%	0%	1%	1%	2%
grade 5 events	12715	14300	22758	14538	28012	19452
	3%	4%	4%	4%	6%	4%
grade 6 events	6082	6399	119556	7587	97741	21738
	1%	2%	24%	2%	22%	5%
grade 7 events	272836	250989	242382	267125	238355	291995
	84%	83%	50%	83%	55%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	160.977561	160.9828385080975	Alternating exposures requested	N	N
Pointing Dec	11.712035	11.68531653164647	Primary exposure time	0.000000	3.2
Pointing Roll	249.988265	250.1438130715692			
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	236582873.184000	236581857.74781			
Observation start date	2005-07-01T05:26:49	2005-07-01T05:10:57			
Observation end time	236622873.184000	236623718.74973			
Observation end date	2005-07-01T16:33:29	2005-07-01T16:48:38			
Read mode	TIMED	TIMED			

2.3 Aspect



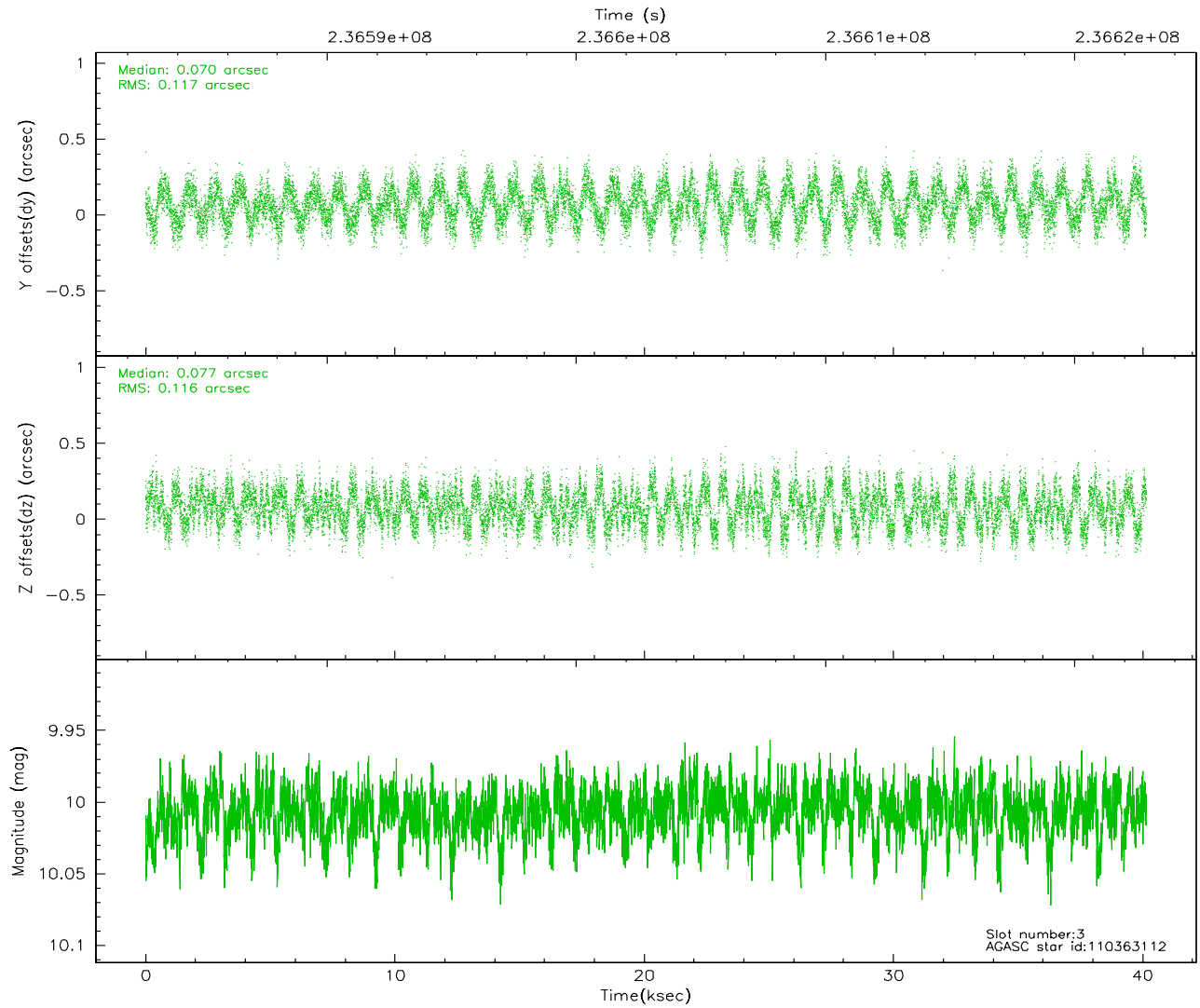
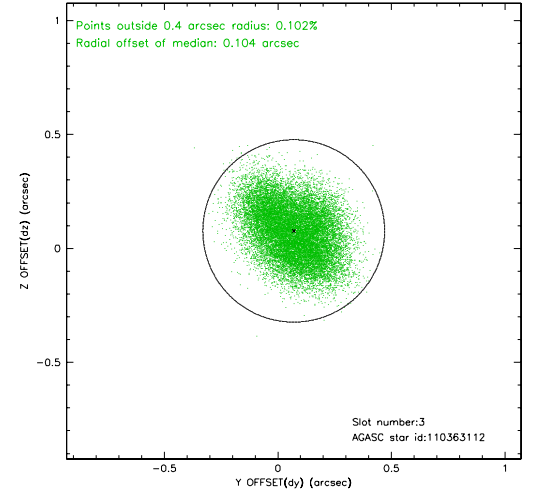
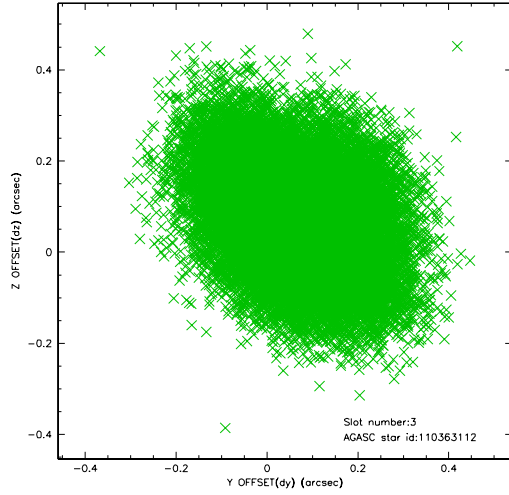


Slot Statistics

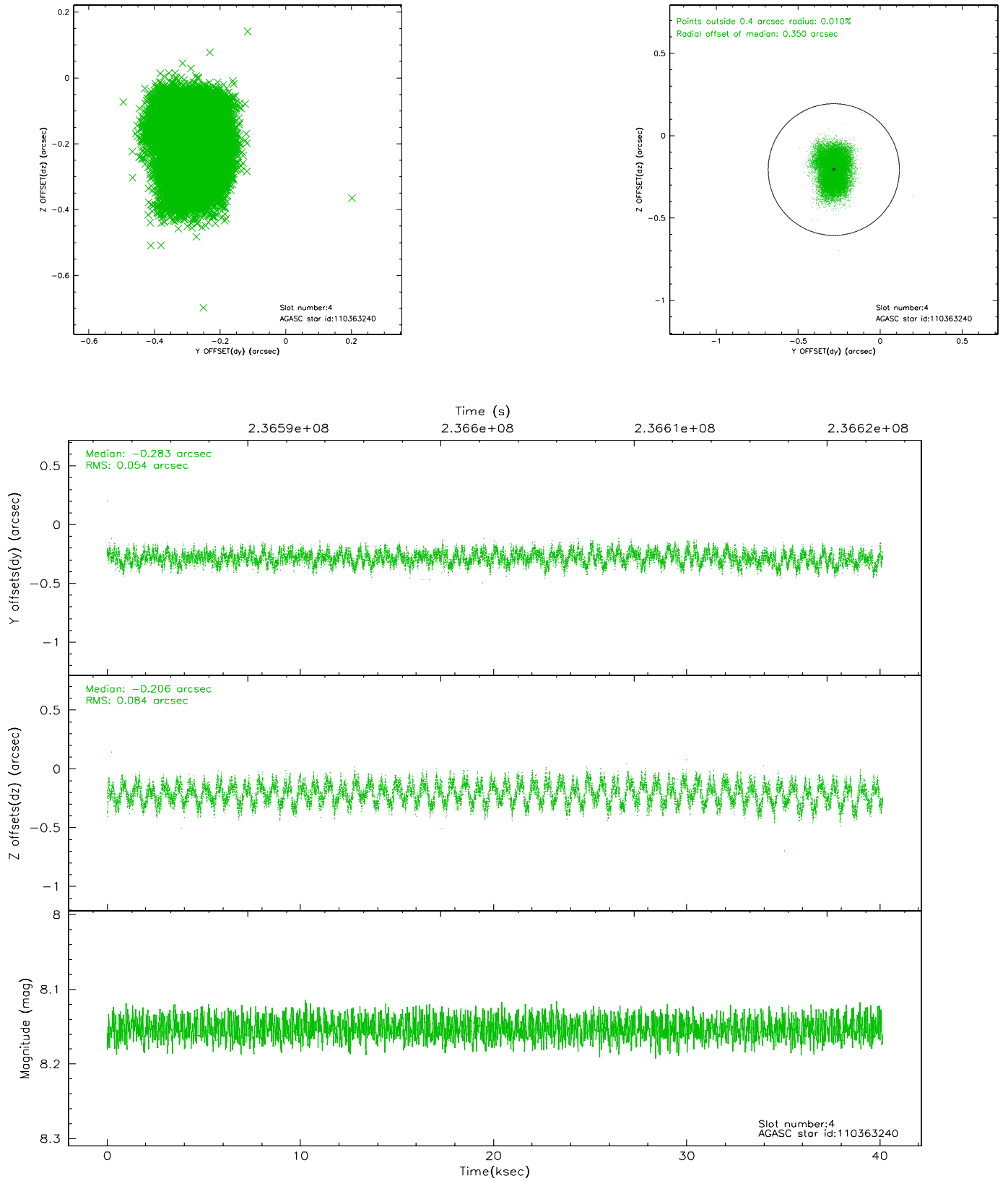
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9792	-0.004	0.003	0.014	0.025	0.000000	0.000000	-760.57	-1733.06
1	FID	ACIS-S-4	7.20	9793	0.039	0.002	0.018	0.034	0.000000	0.000000	2152.74	175.42
2	FID	ACIS-S-5	7.23	9793	-0.066	0.005	0.015	0.022	0.000000	0.000000	-1813.46	169.09
3	GUIDE	110363112	10.01	19566	0.070	0.077	0.179	0.274	160.492613	11.398369	1645.93	-1221.90
4	GUIDE	110363240	8.15	19583	-0.283	-0.206	0.109	0.166	160.564767	12.418075	-1892.30	-2234.06
5	GUIDE	111280632	9.87	19565	0.076	0.037	0.121	0.196	161.089942	11.335611	1137.95	836.61
6	GUIDE	111281680	10.23	19459	0.161	0.089	0.164	0.277	161.020105	11.200959	1678.19	771.08
7	GUIDE	111285392	10.15	19541	-0.021	0.018	0.164	0.260	161.241595	11.515570	345.98	1117.35

2.4 Star Slots

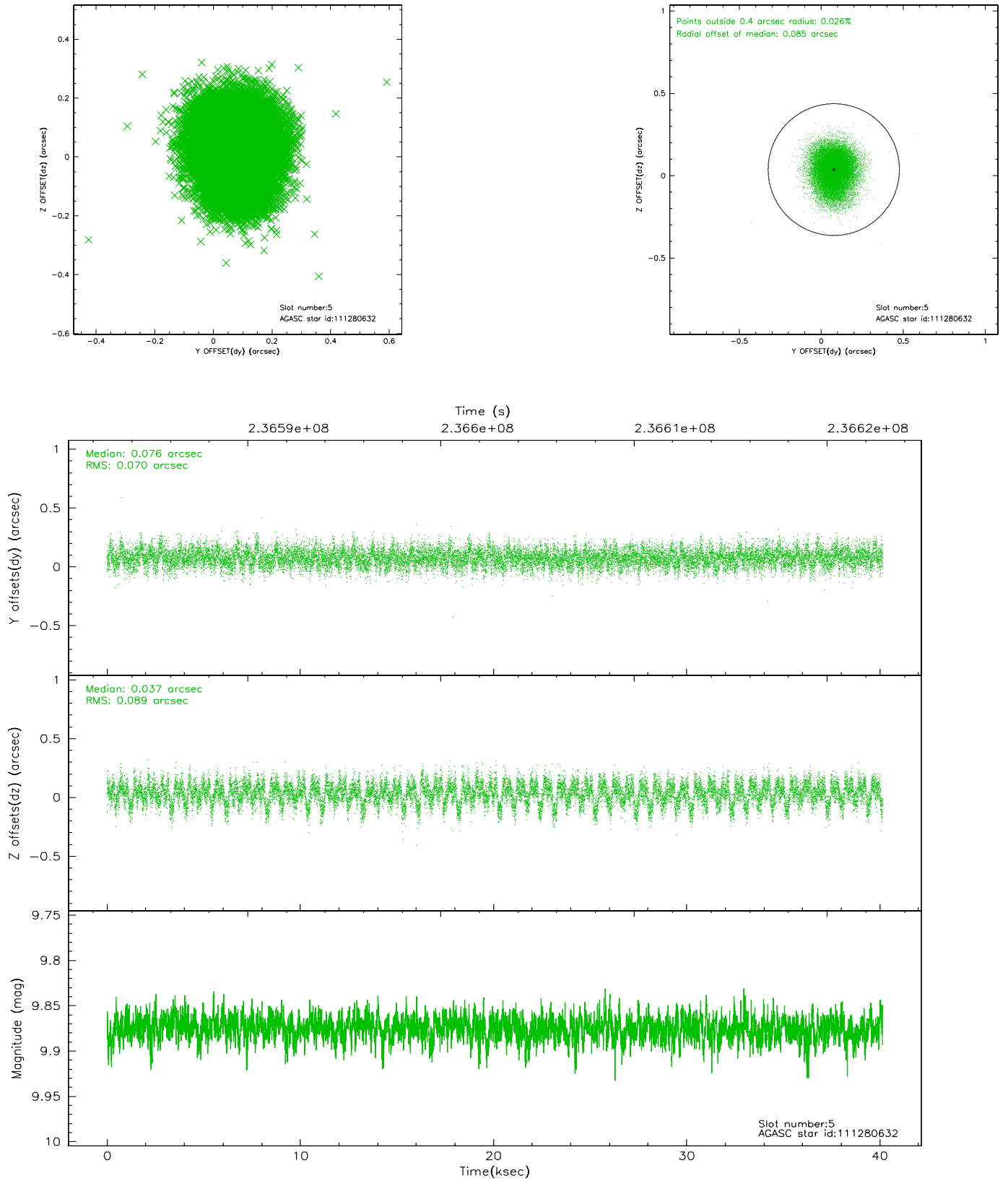
2.4.1 Slot 3



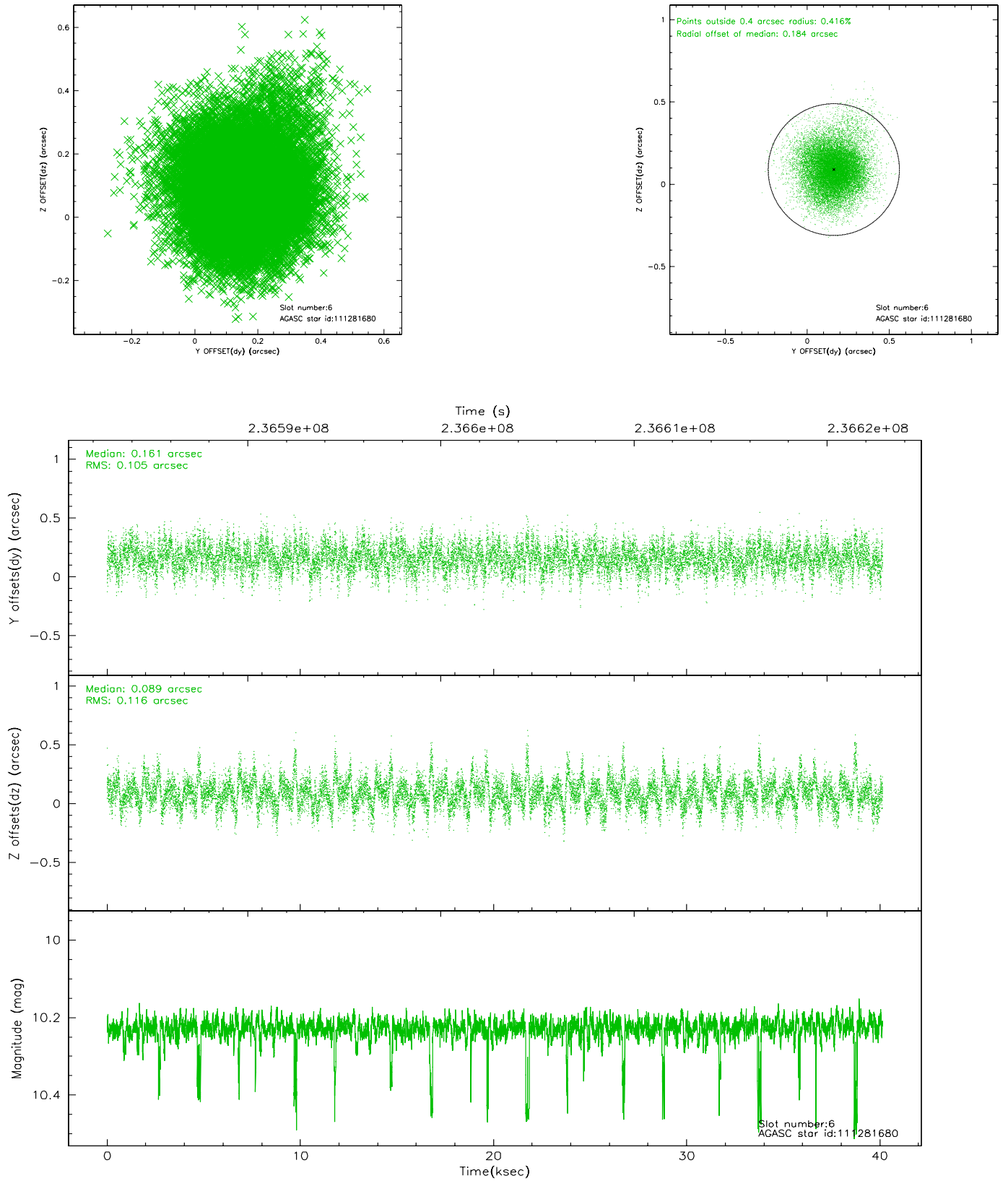
2.4.2 Slot 4



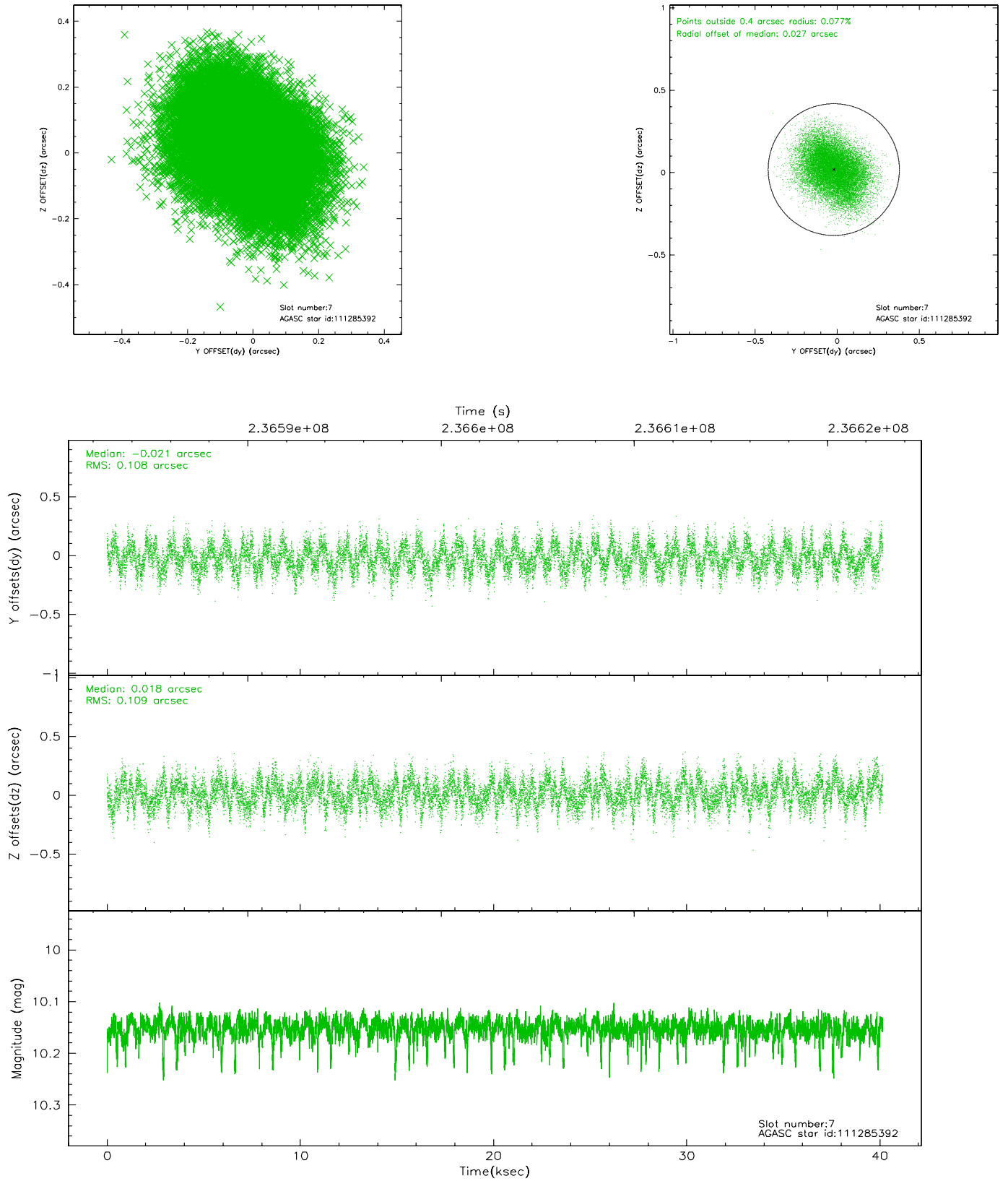
2.4.3 Slot 5



2.4.4 Slot 6

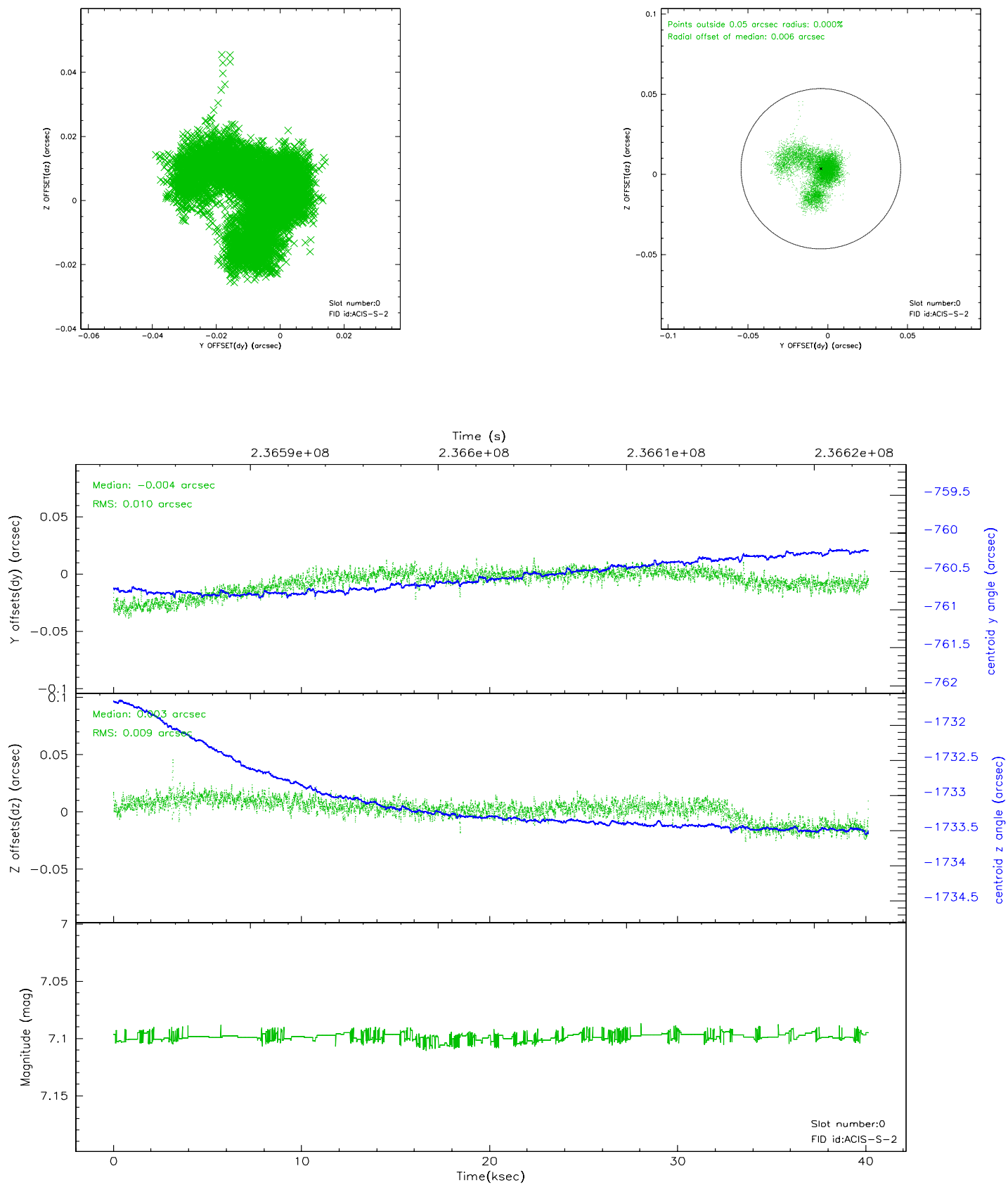


2.4.5 Slot 7

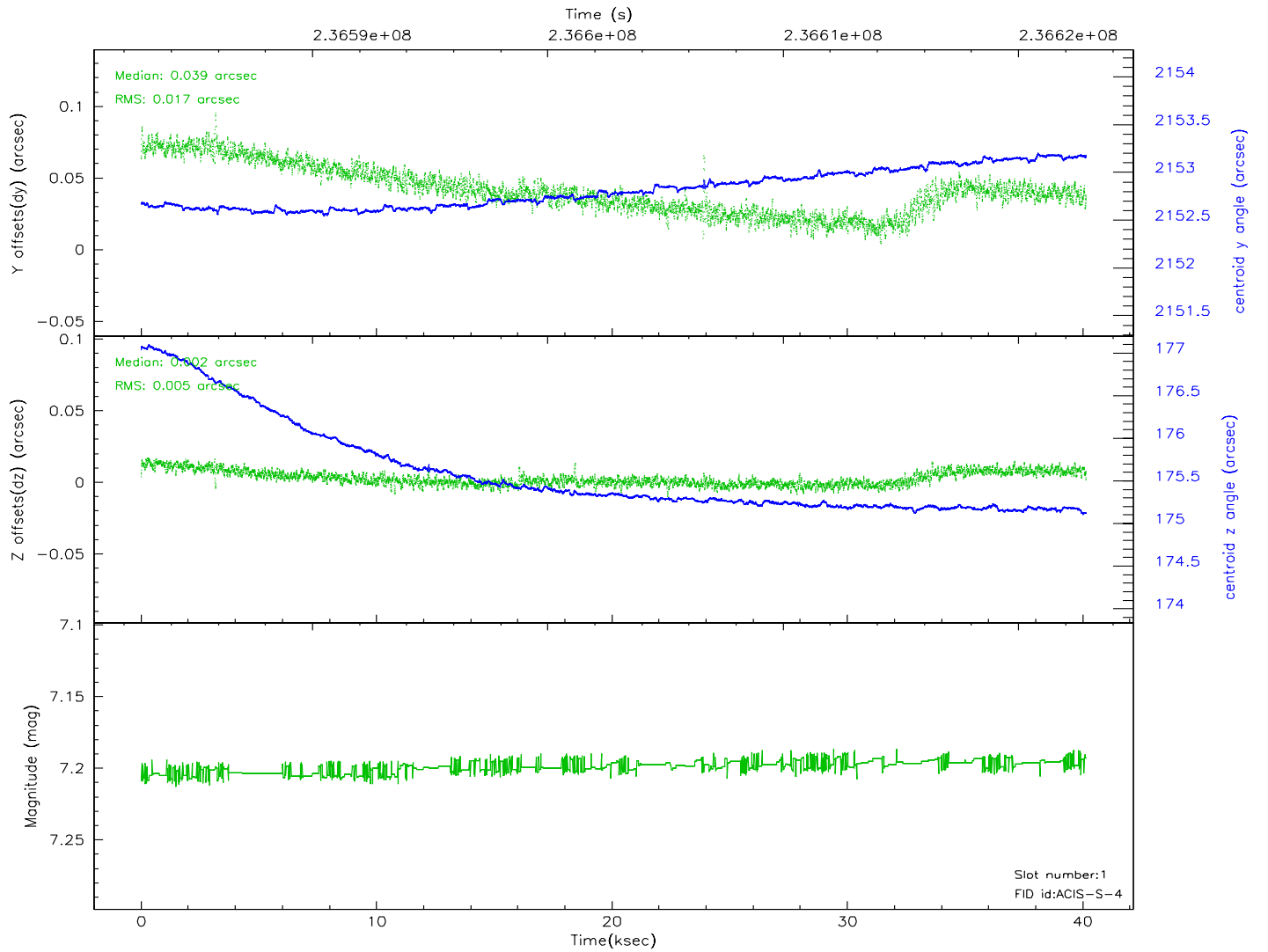
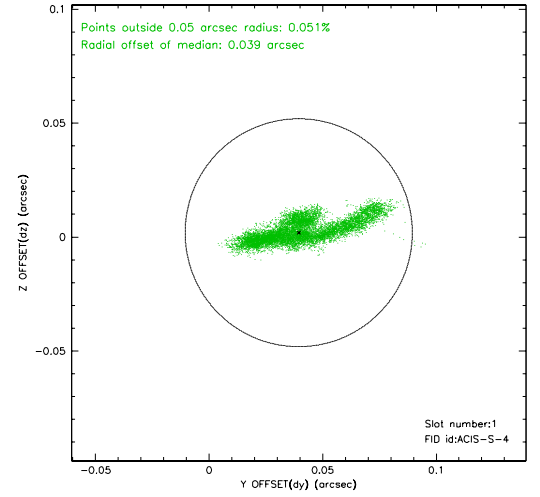
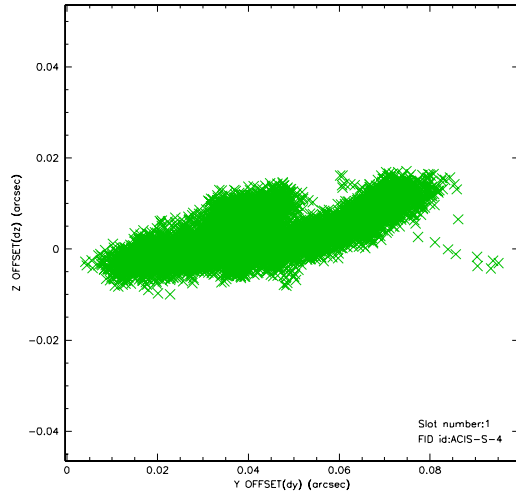


2.5 FID Slots

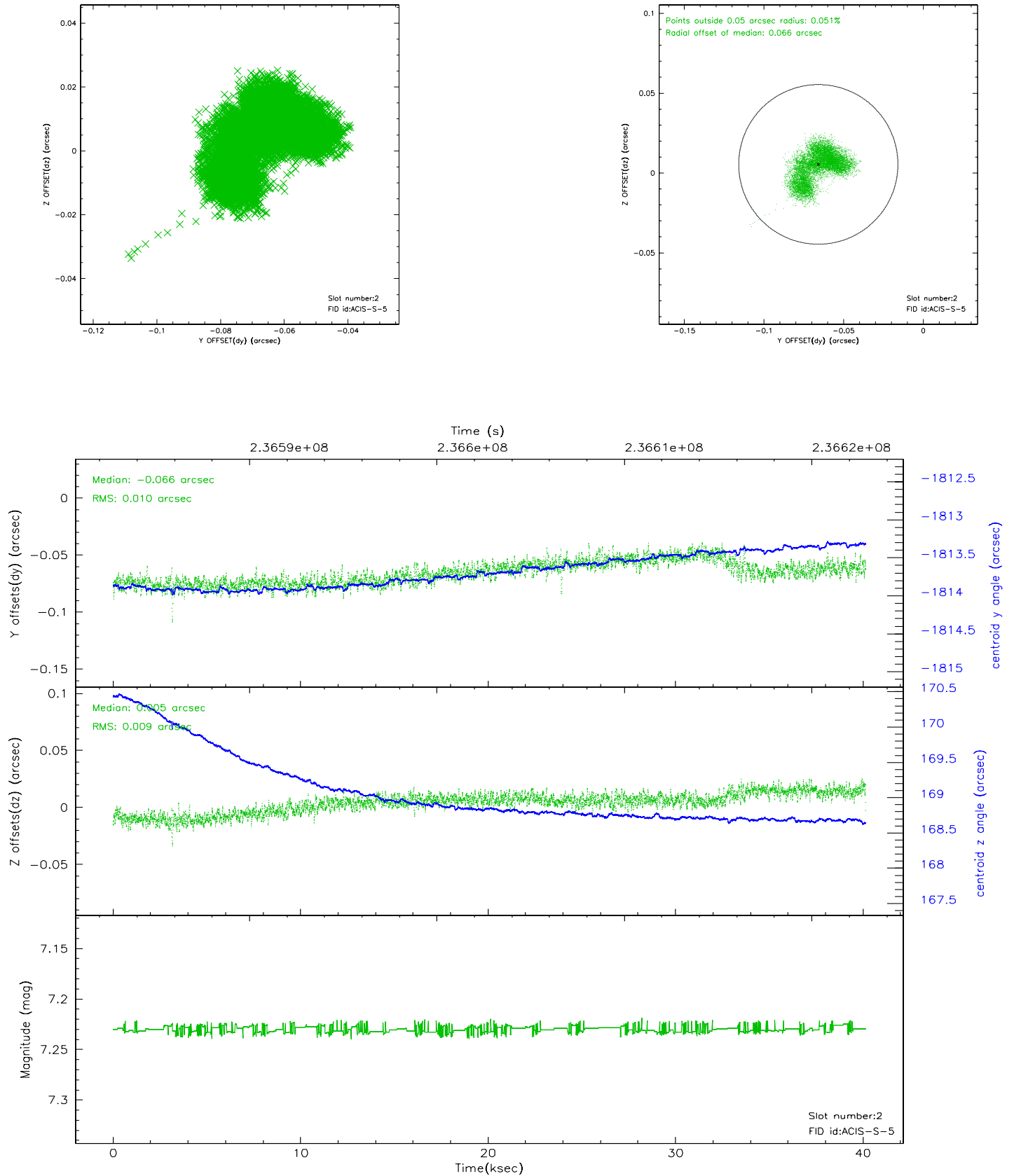
2.5.1 Slot 0



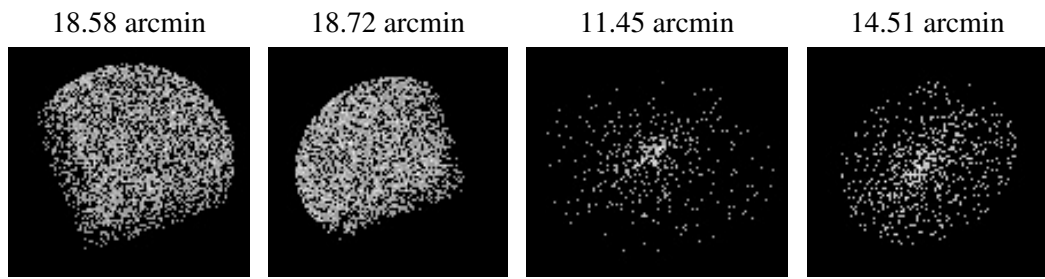
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.06075

A.2 Comments

Monitor constraint met.