

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5923 - L2 Version 002
Chandra X-Ray Center

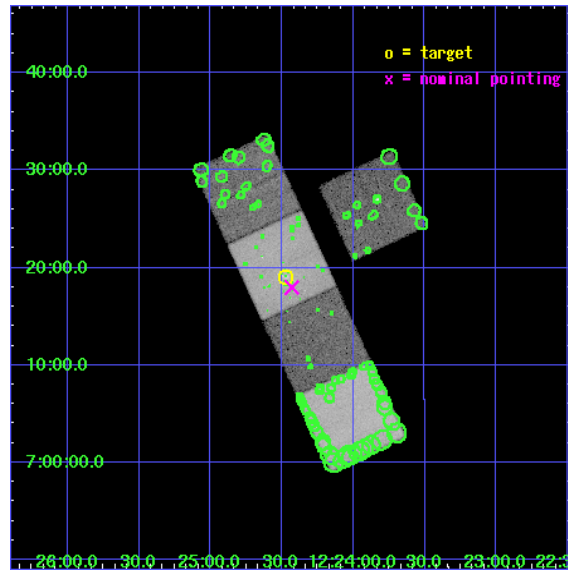
L2 Processing Date : Mar 10 2006

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

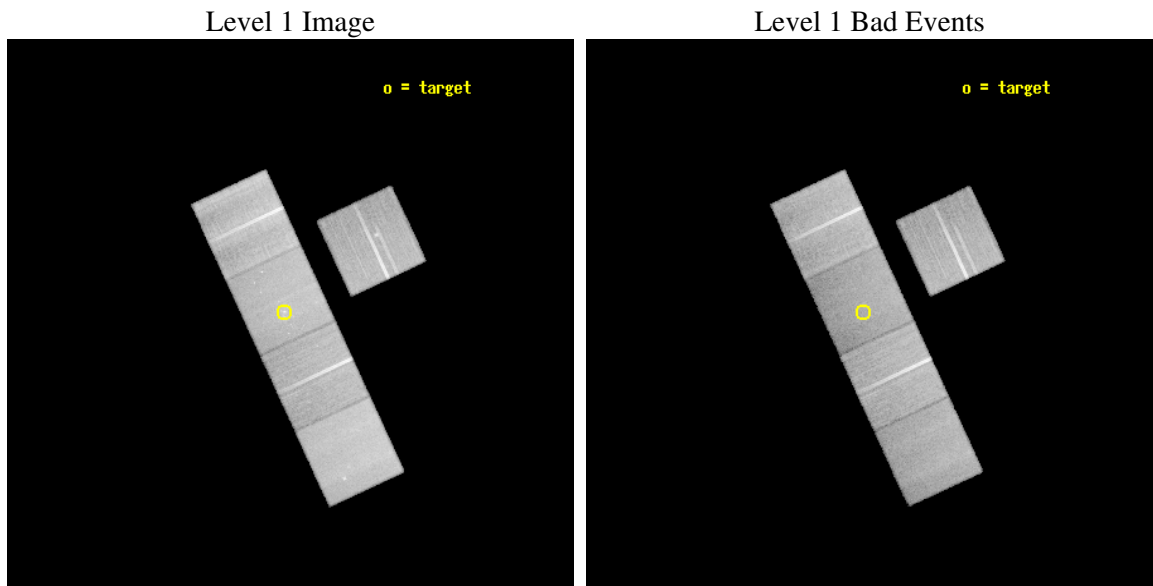
seq_num	600442
obs_id	5923
title	Low Mass X-ray Binaries and Globular Clusters in the Early-Type Galaxy NGC 4365
observer	Mr GREGORY SIVAKOFF
object	NGC4365
dtcycle	0
cycle	P
ra_targ	186.117917
dec_targ	7.317722
ra_nom	186.10756274774
dec_nom	7.2997040782808
roll_nom	245.08314200223
revision	2
ontime	40089.199922919
livetime	39565.405012687
ontime3	40089.199922919
ontime5	40089.199922919
ontime6	40079.776982337
ontime7	40089.199922919
ontime8	40082.918042153
l2events	360528



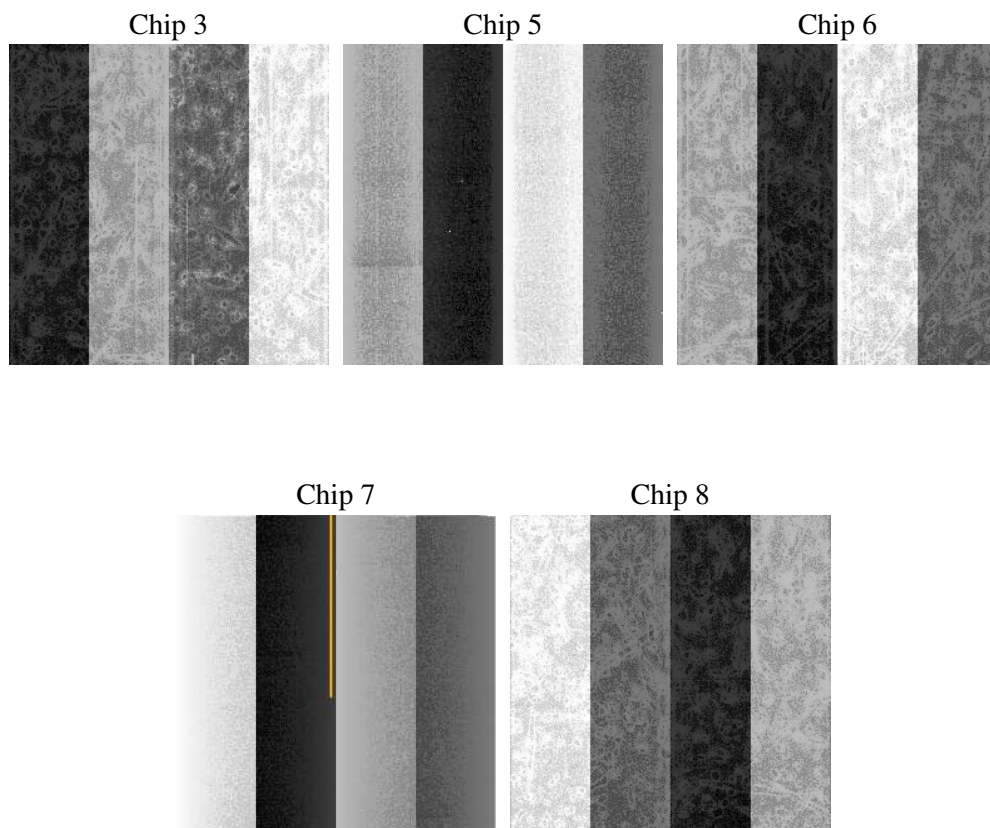
2 OBI

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	2006-03-10T13:12:07
revision	2

sched_exp_time	40000.000000
ontime	40094.923409909
ontime3	40094.923409909
ontime5	40094.923429787
ontime6	40085.500469327
ontime7	40094.923409909
ontime8	40088.641529143
l1events	1477408

2.1.4 Events

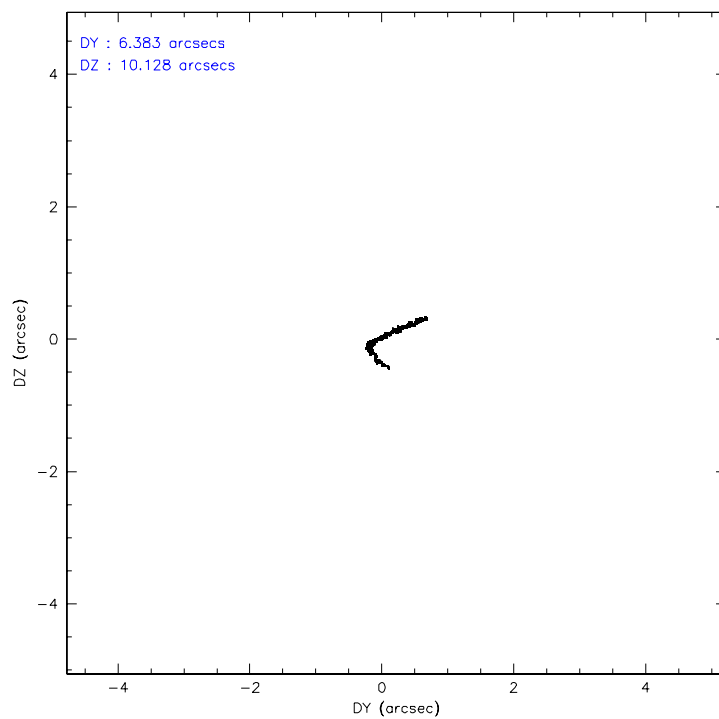
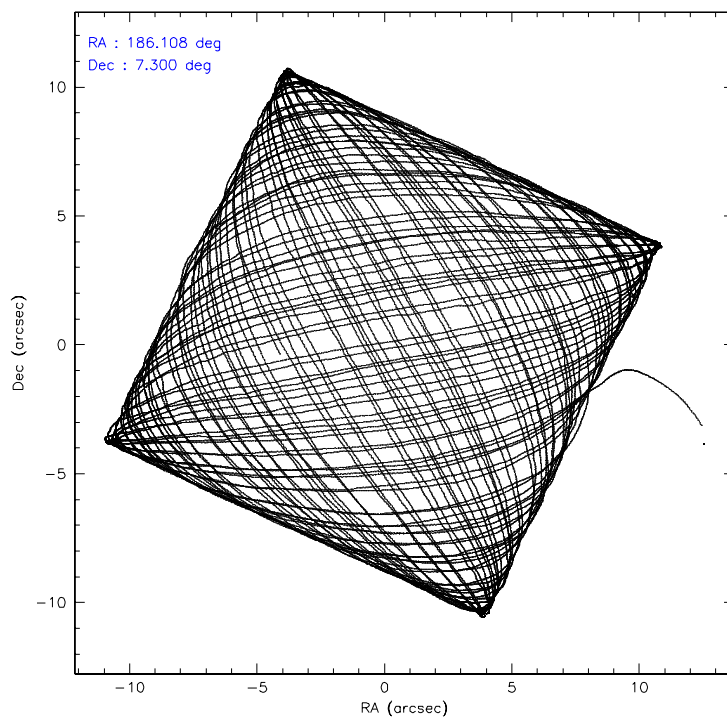
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	252285	343879	263148	291220	326876
rejected events	227075	181225	235377	162945	248004
rejected %	90%	52%	89%	55%	75%

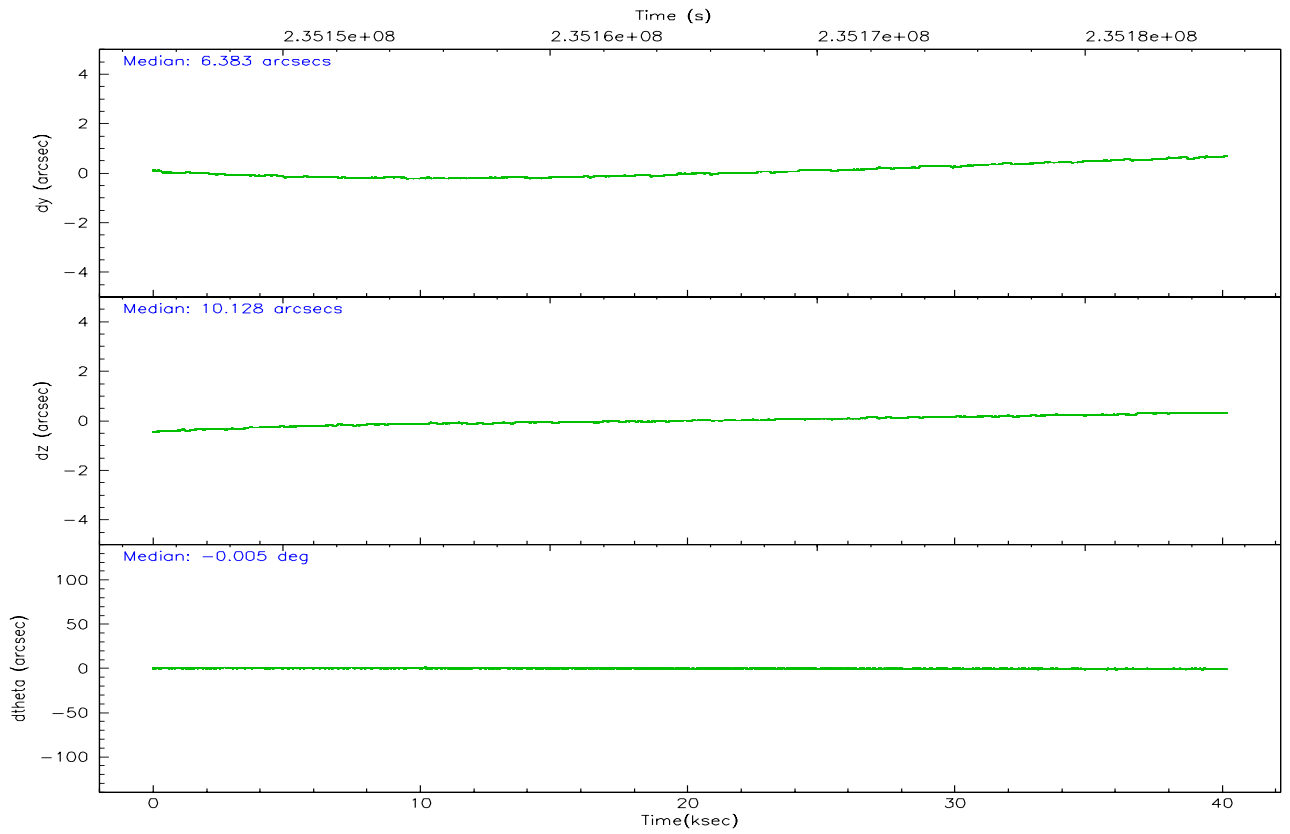
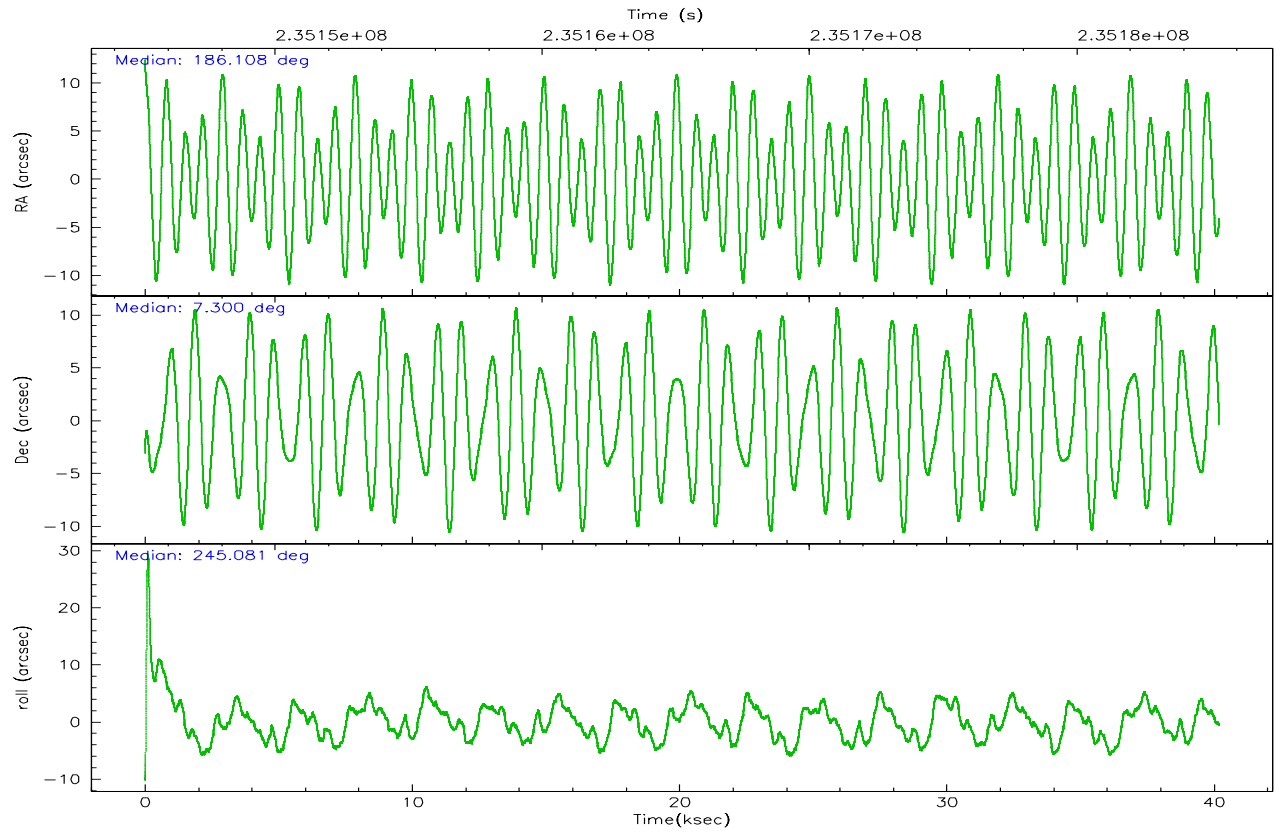
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	9926	7681	10650	9883	24752
	3%	2%	4%	3%	7%
grade 1 events	138	144	119	134	212
	0%	0%	0%	0%	0%
grade 2 events	5242	51264	5760	31440	17345
	2%	14%	2%	10%	5%
grade 3 events	2701	4523	2930	7789	8563
	1%	1%	1%	2%	2%
grade 4 events	2654	4250	2851	7610	7918
	1%	1%	1%	2%	2%
grade 5 events	10004	18078	10202	21183	14706
	3%	5%	3%	7%	4%
grade 6 events	4690	94975	5583	71571	20297
	1%	27%	2%	24%	6%
grade 7 events	216930	162964	225053	141610	233083
	85%	47%	85%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-35678	ACIS-35678	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	186.104746	186.1075627477429	Alternating exposures requested	N	N
Pointing Dec	7.326774	7.299704078280752	Primary exposure time	0.000000	3.1
Pointing Roll	244.926891	245.0831420022276			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	235145320.184000	235144364.36966			
Observation start date	2005-06-14T14:07:36	2005-06-14T13:52:44			
Observation end time	235185320.184000	235186113.64656			
Observation end date	2005-06-15T01:14:16	2005-06-15T01:28:33			
Read mode	TIMED	TIMED			

2.3 Aspect



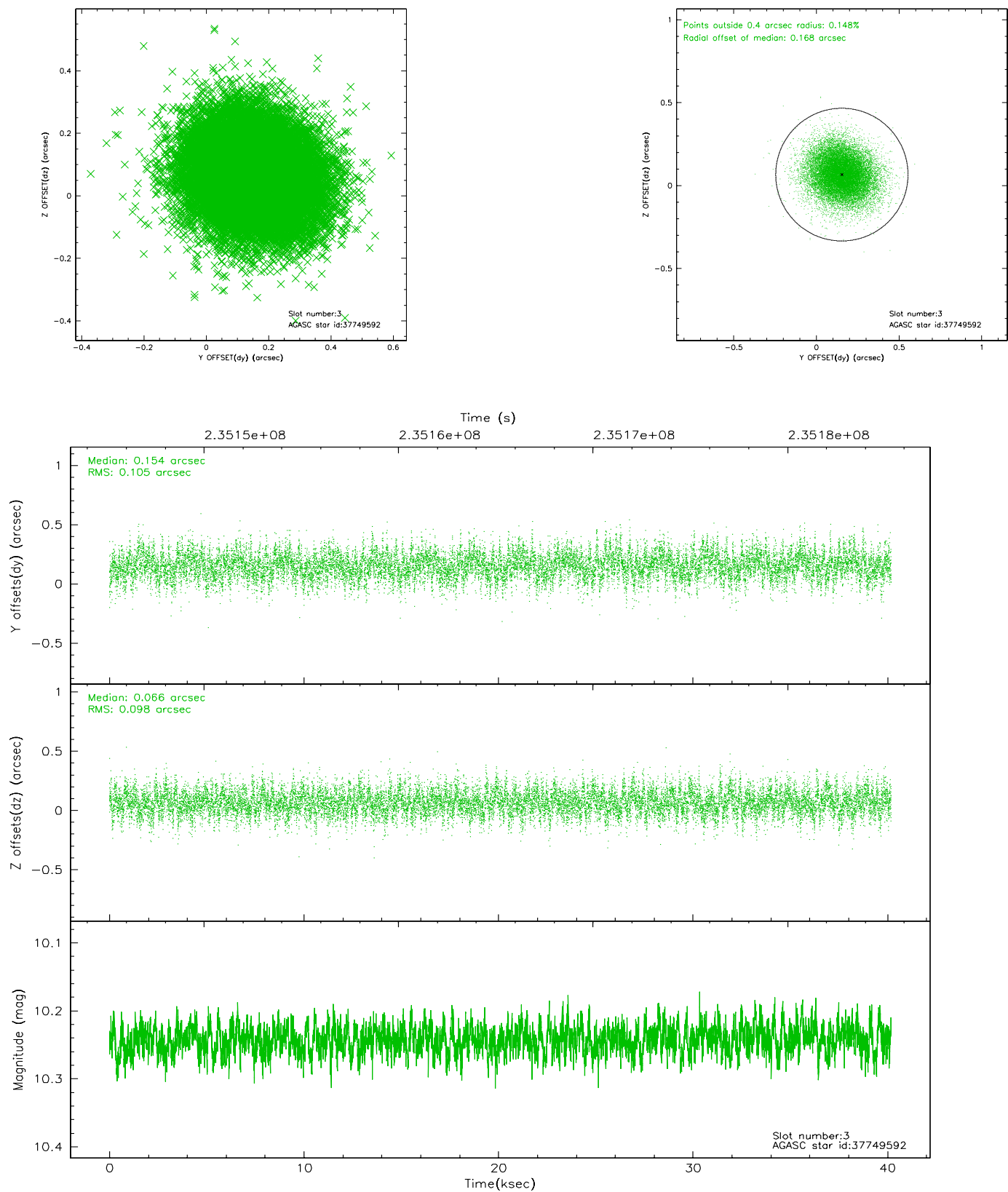


Slot Statistics

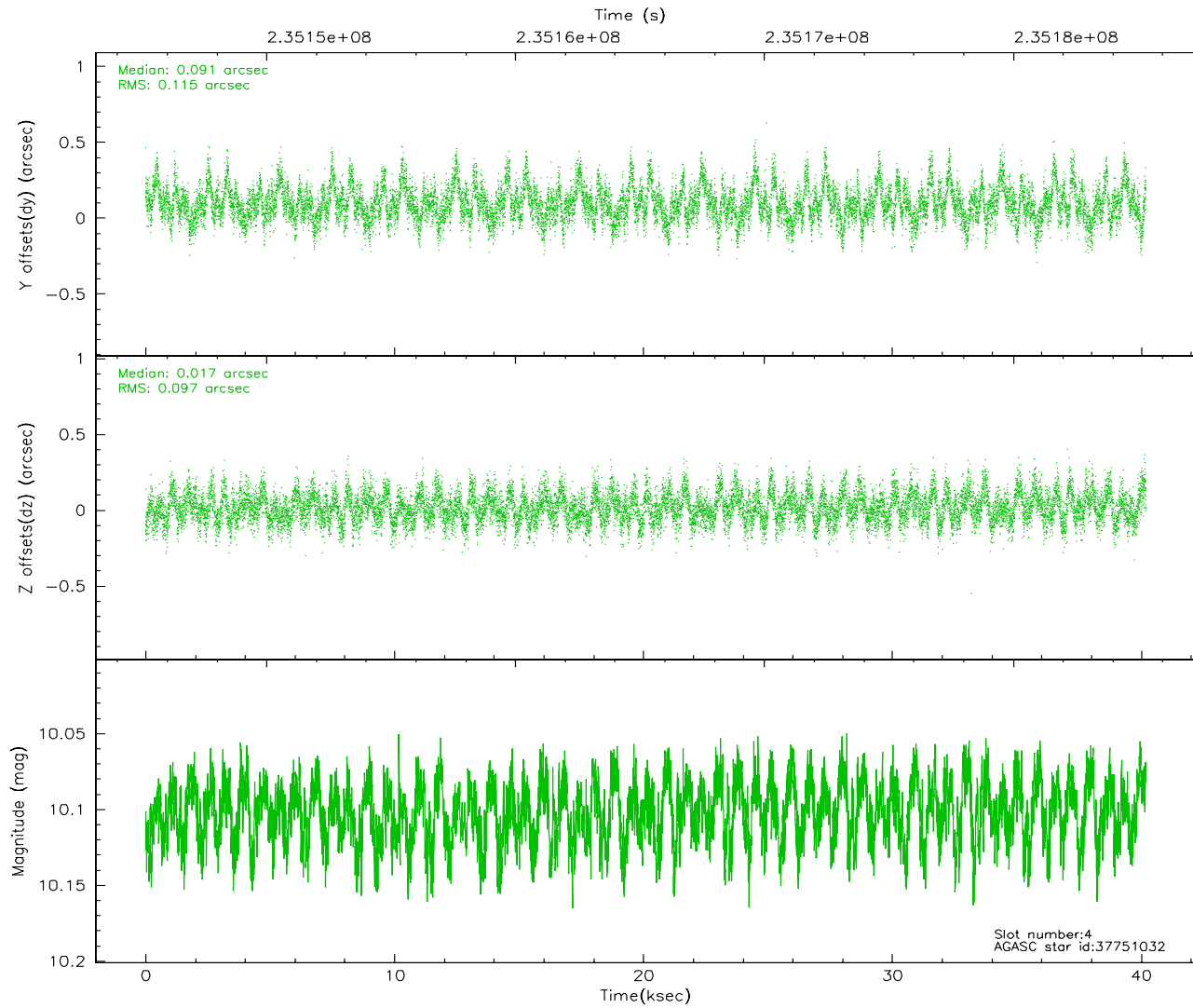
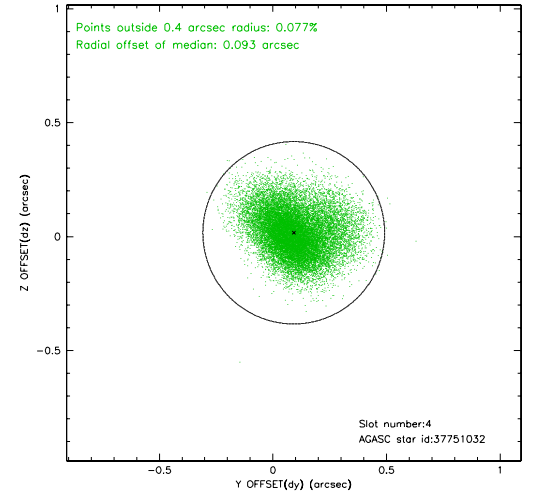
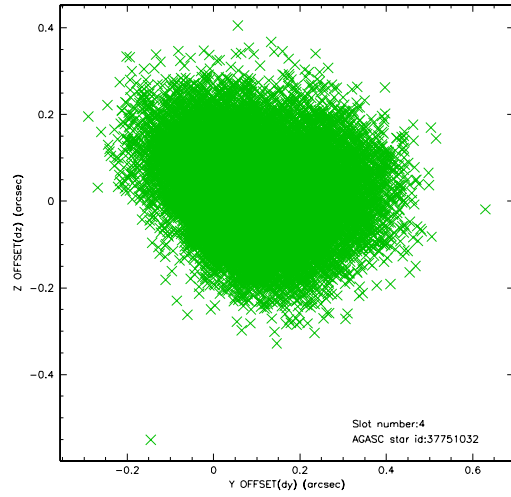
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9802	-0.058	-0.004	0.008	0.013	0.000000	0.000000	-759.23	-1731.40
1	FID	ACIS-S-4	7.21	9802	0.066	0.029	0.006	0.011	0.000000	0.000000	2154.13	177.15
2	FID	ACIS-S-5	7.23	9800	-0.039	-0.016	0.007	0.013	0.000000	0.000000	-1812.07	170.72
3	GUIDE	37749592	10.24	19582	0.154	0.066	0.152	0.249	186.177253	6.631115	2159.20	1295.42
4	GUIDE	37751032	10.10	19577	0.091	0.017	0.159	0.264	186.355124	7.277238	-217.08	885.61
5	GUIDE	37751880	9.64	19580	0.168	0.070	0.131	0.200	185.771871	6.844190	2078.01	-341.28
6	GUIDE	114434008	8.76	19597	-0.135	-0.135	0.078	0.121	185.534773	7.569663	69.30	-2213.52
7	GUIDE	114565080	10.19	19422	-0.290	-0.021	0.138	0.221	186.537681	7.759404	-2065.82	738.52

2.4 Star Slots

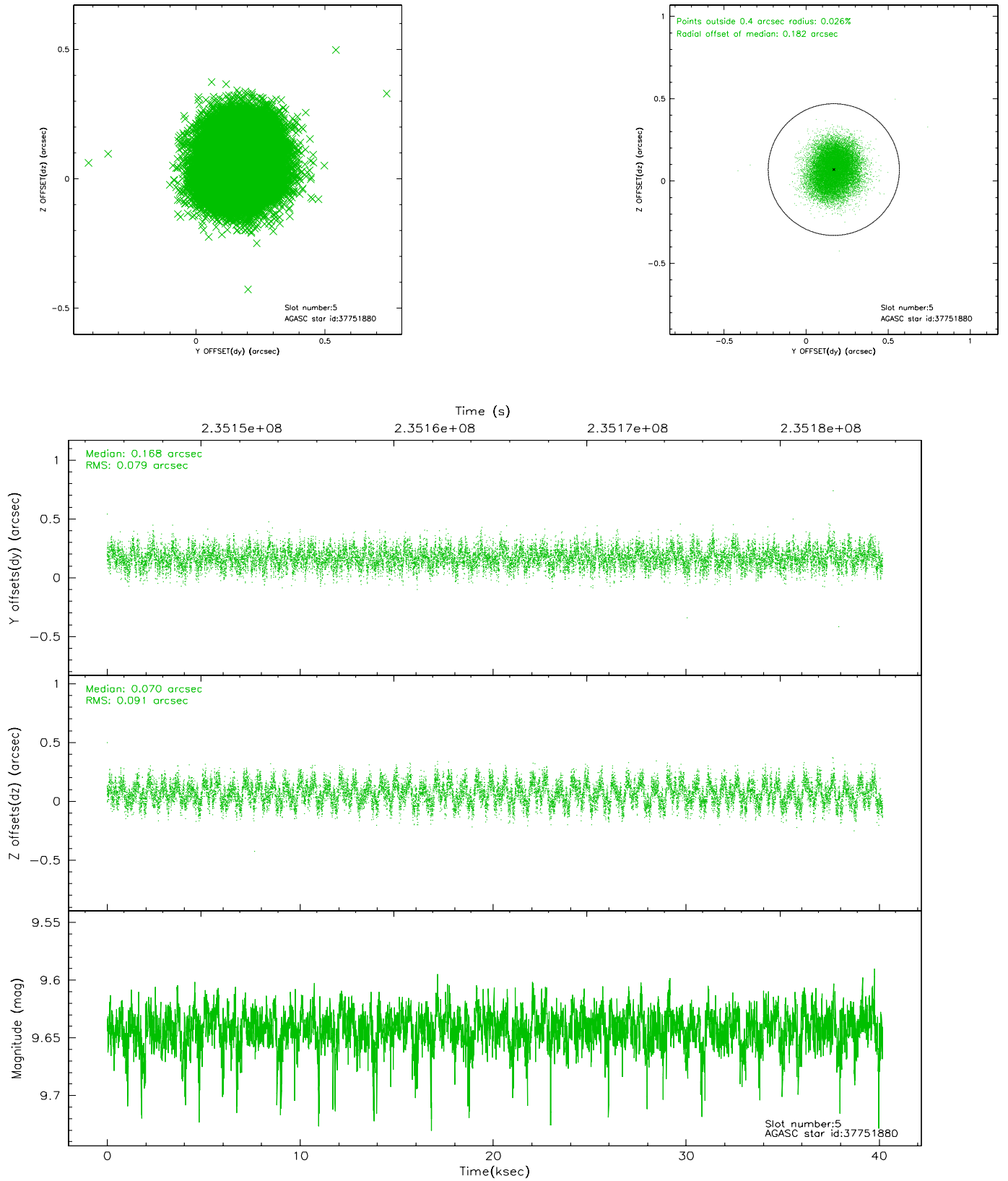
2.4.1 Slot 3



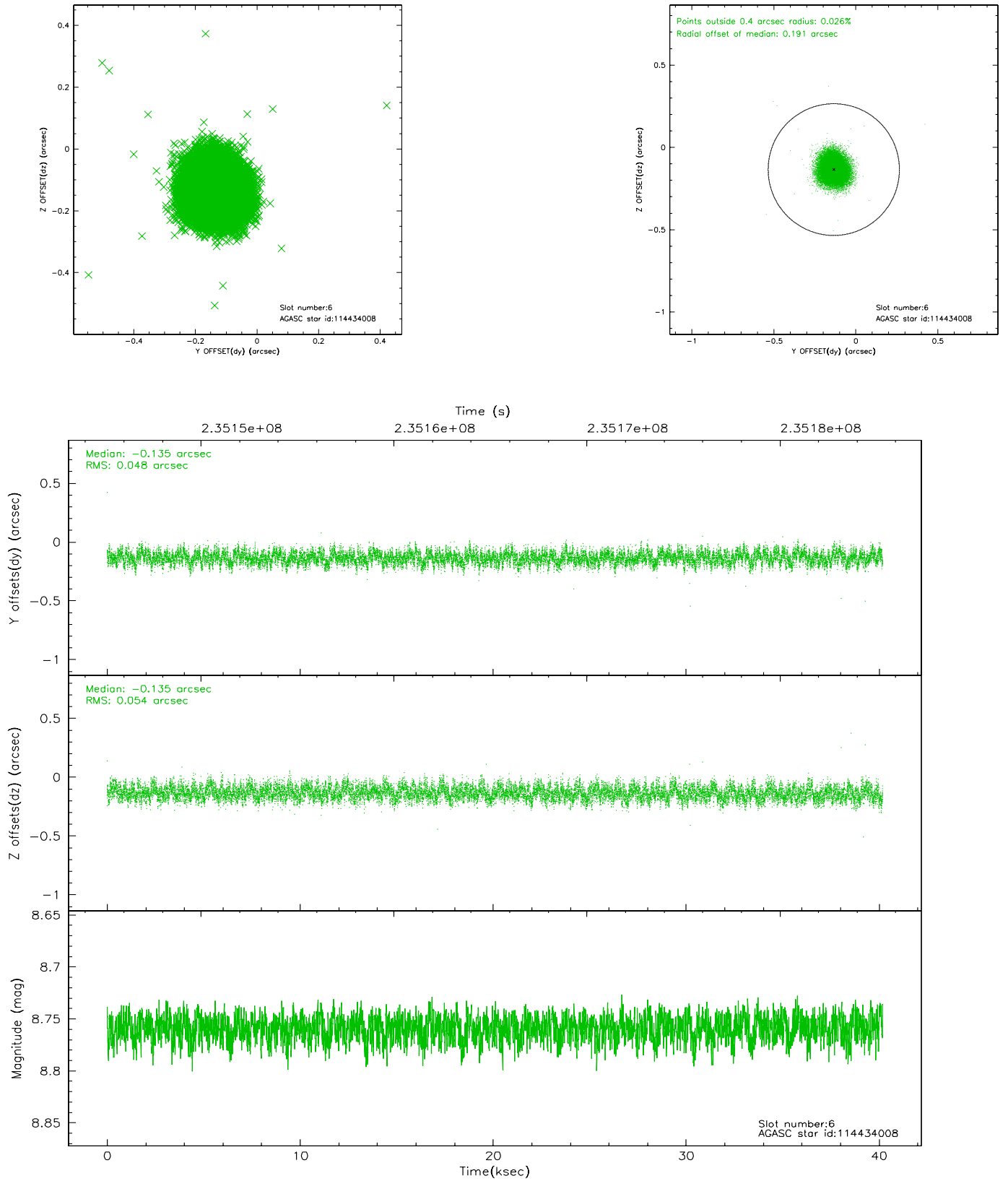
2.4.2 Slot 4



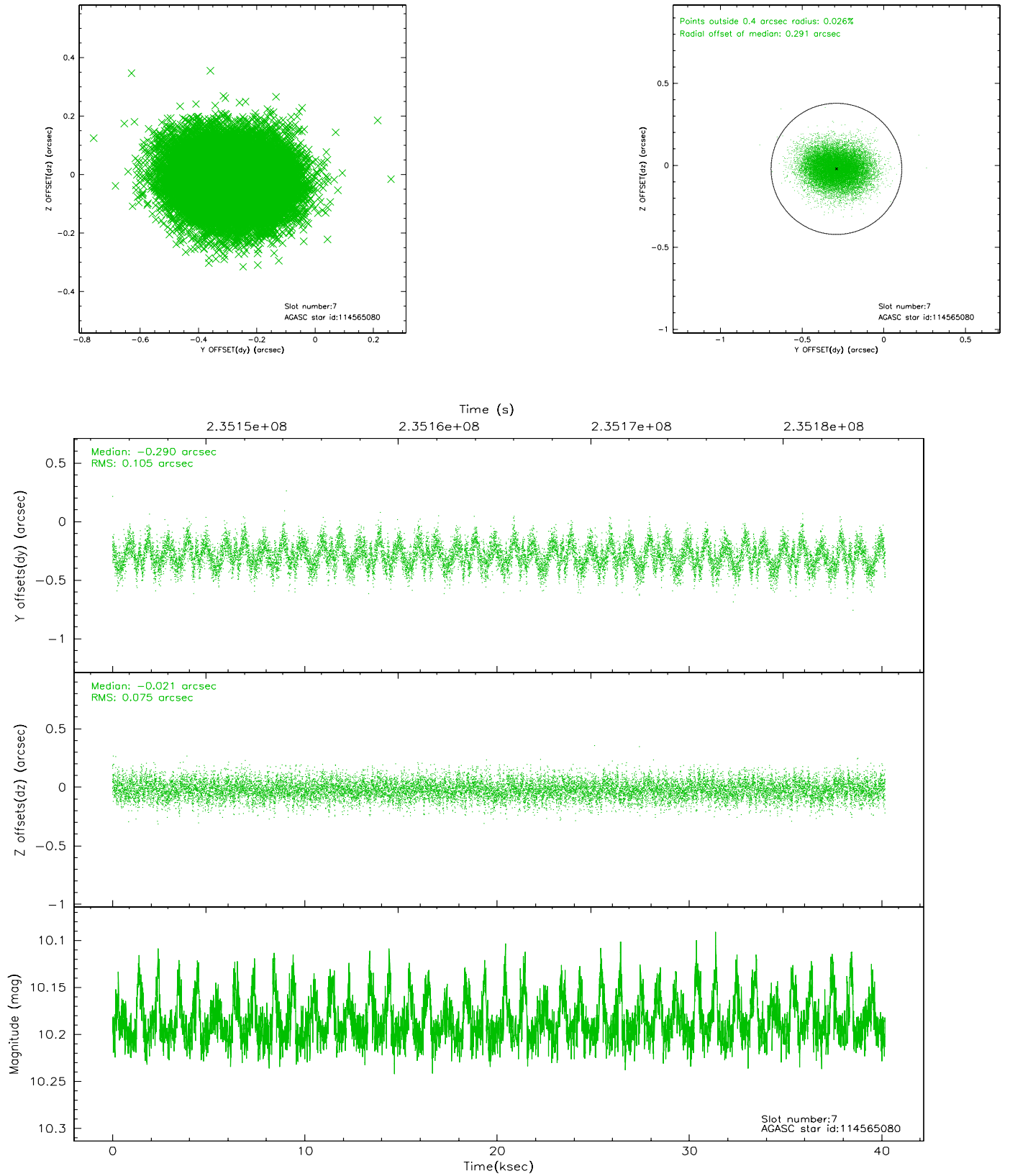
2.4.3 Slot 5



2.4.4 Slot 6

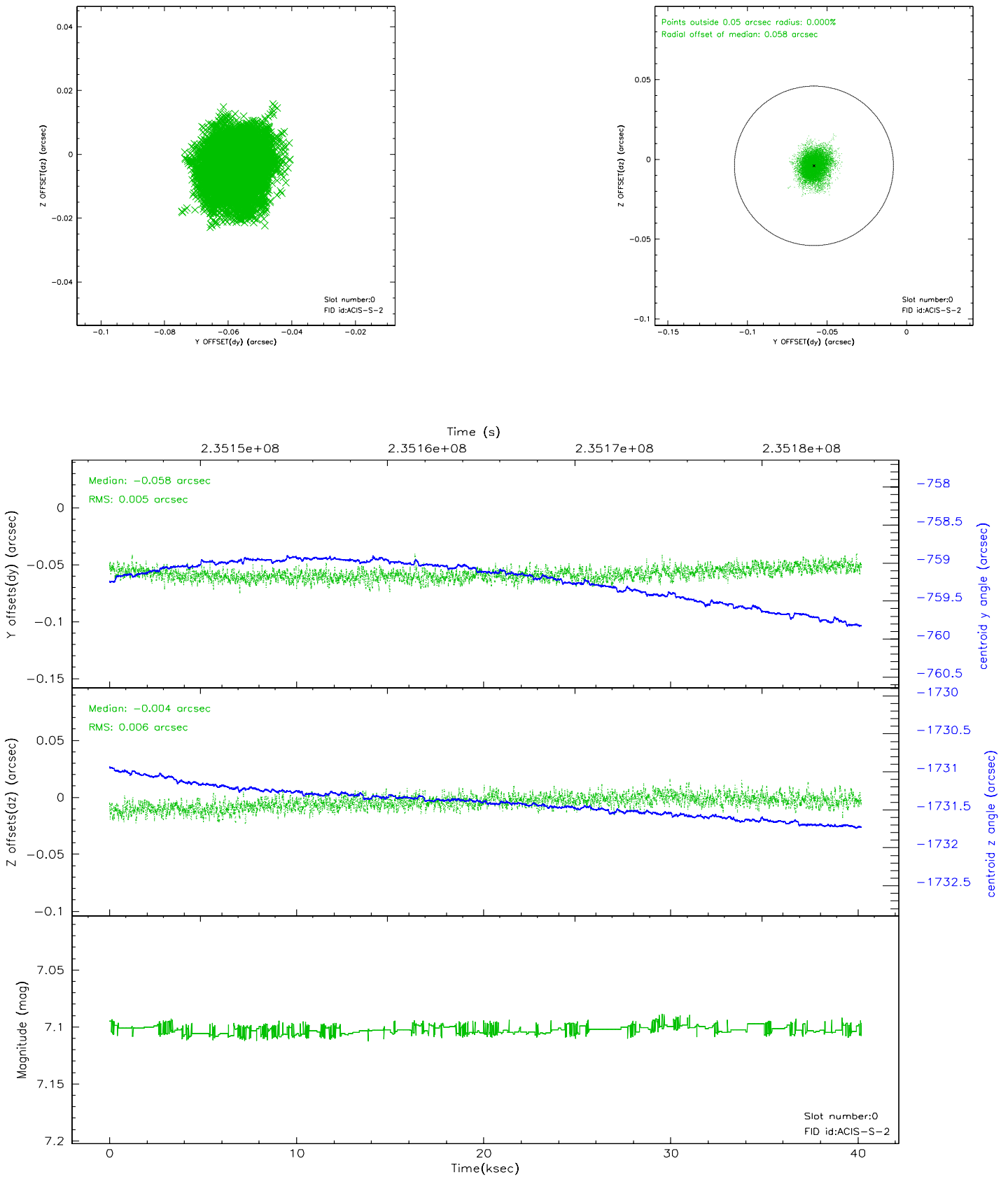


2.4.5 Slot 7

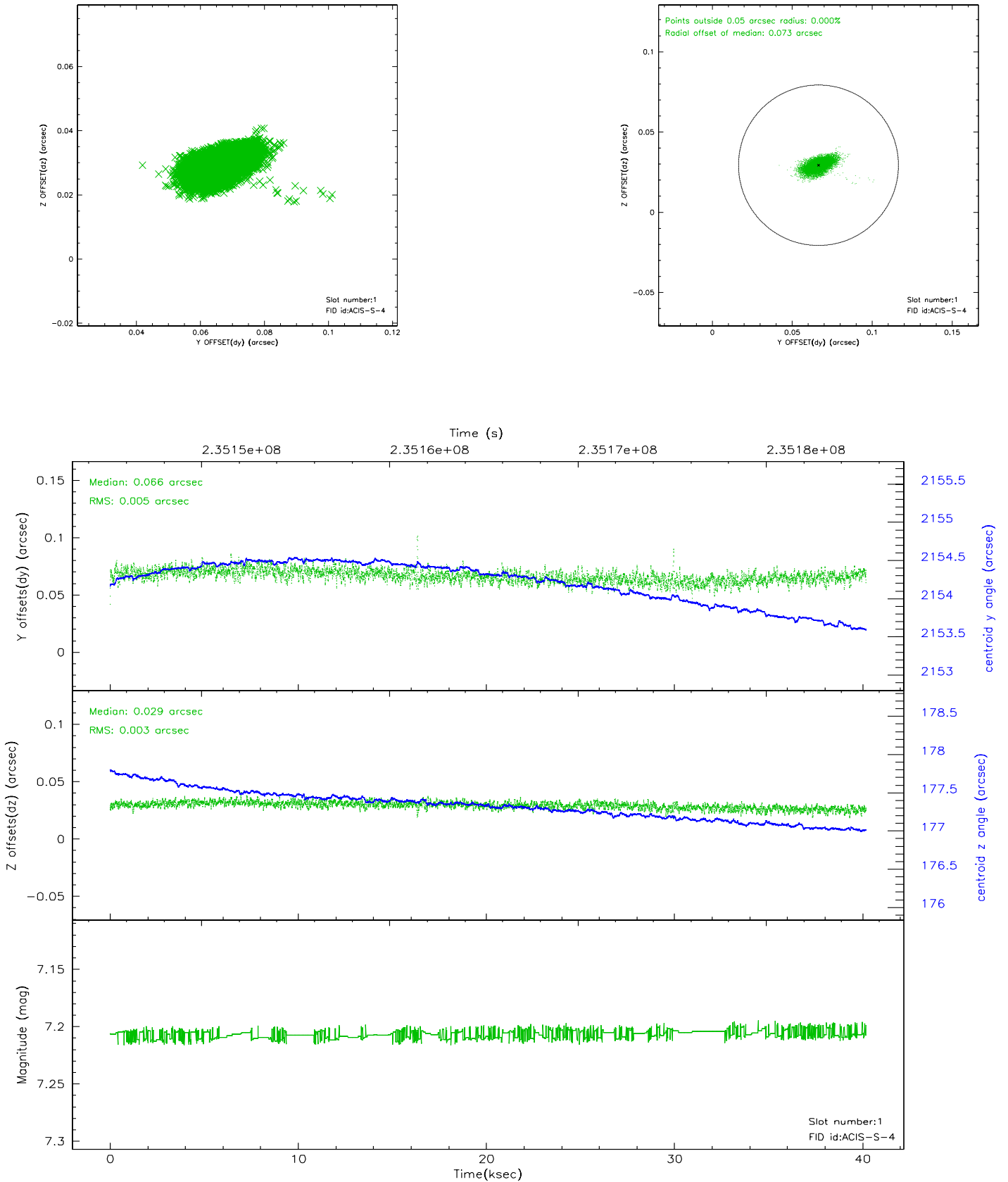


2.5 FID Slots

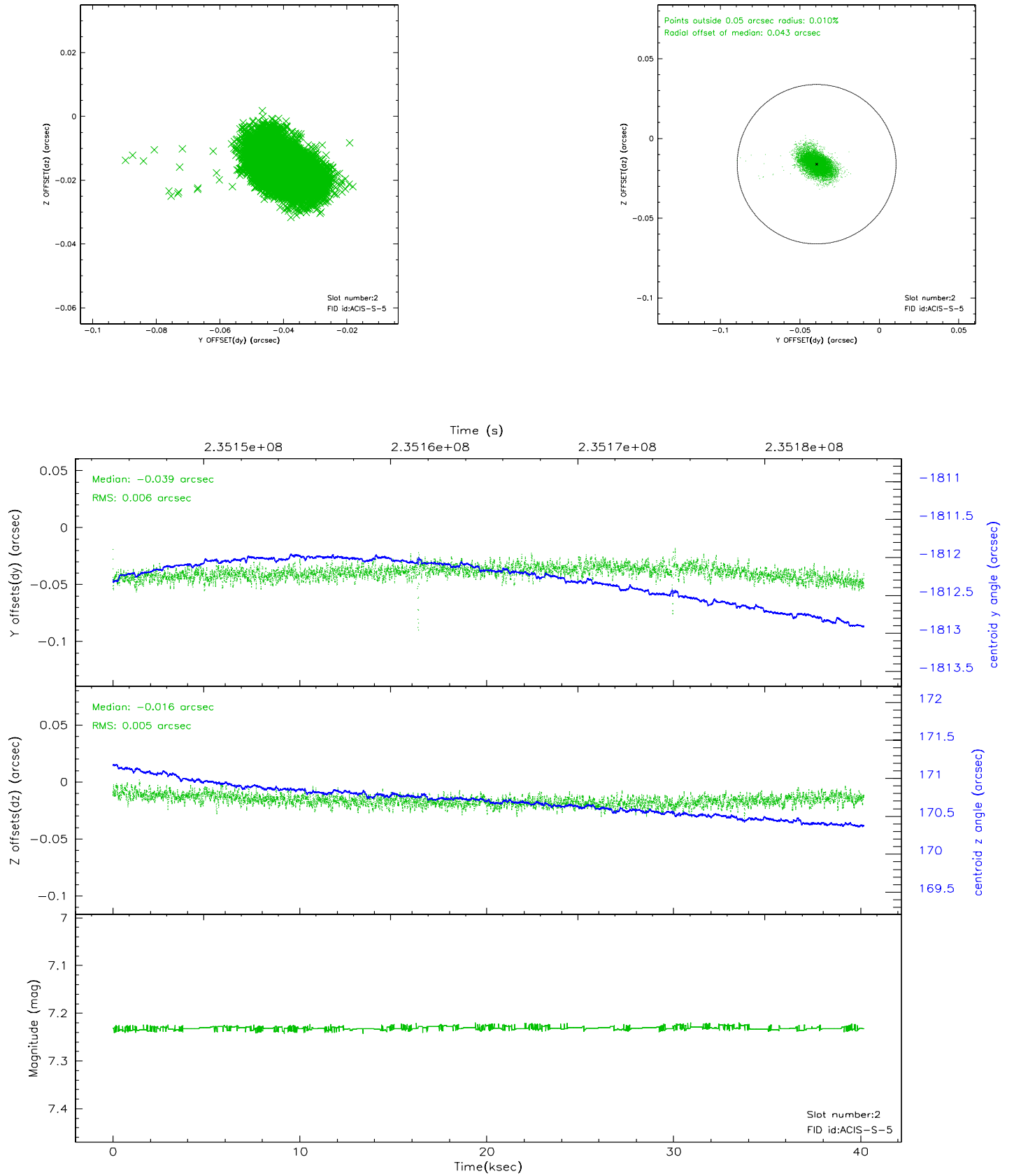
2.5.1 Slot 0



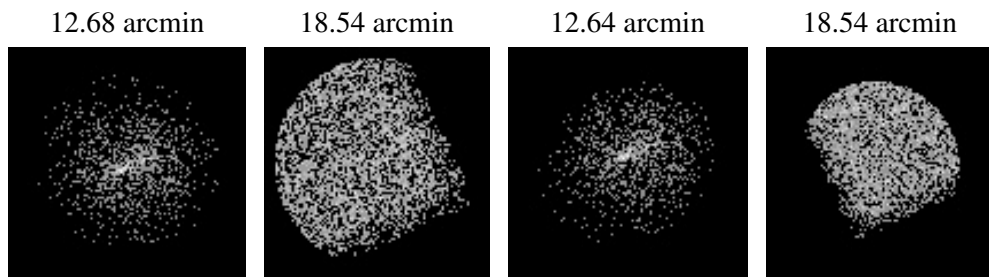
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.08919

A.2 Comments

Preferred window not met. Monitor constraint met. ACIS focal plane temperature is above the calibration limits for the first 12 ksec of the observation.