

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3925 - L2 Version 001  
Chandra X-Ray Center

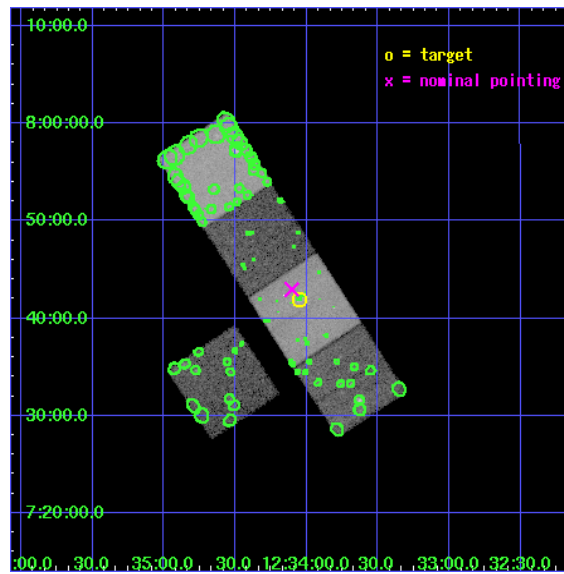
L2 Processing Date : Jun 28 2006

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
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
<b>3</b>	<b>Point Sources</b>	<b>17</b>
<b>A</b>	<b>Summary</b>	<b>18</b>
A.1	Status . . . . .	18
A.2	Comments . . . . .	18

# 1 Front

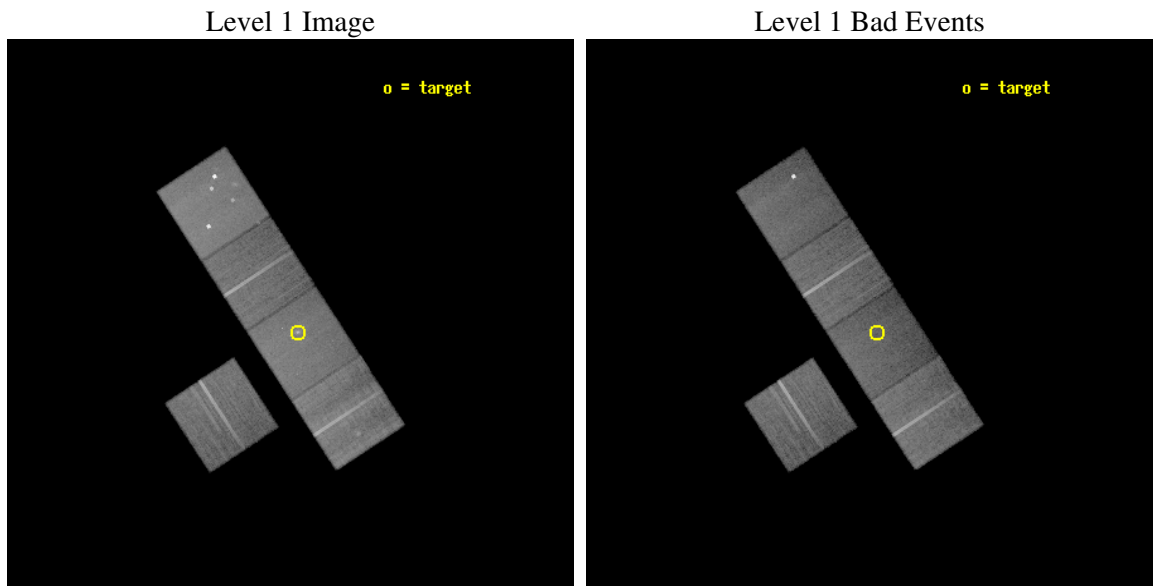
seq_num	600299
obs_id	3925
title	LOW MASS X-RAY BINARIES AND GLOBULAR CLUSTERS IN VIRGO EARLY-TYPE GALAXIES
observer	Dr. Craig Sarazin
object	NGC4526
dtcycle	0
cycle	P
ra_targ	188.512917
dec_targ	7.699806
ra_nom	188.5257856182
dec_nom	7.7161606343338
roll_nom	56.814252568299
revision	2
ontime	44106.799915195
livetime	43530.512103349
ontime3	44106.799915195
ontime5	44106.799915195
ontime6	44103.658974856
ontime7	44106.799915195
ontime8	44100.517994732
l2events	307548



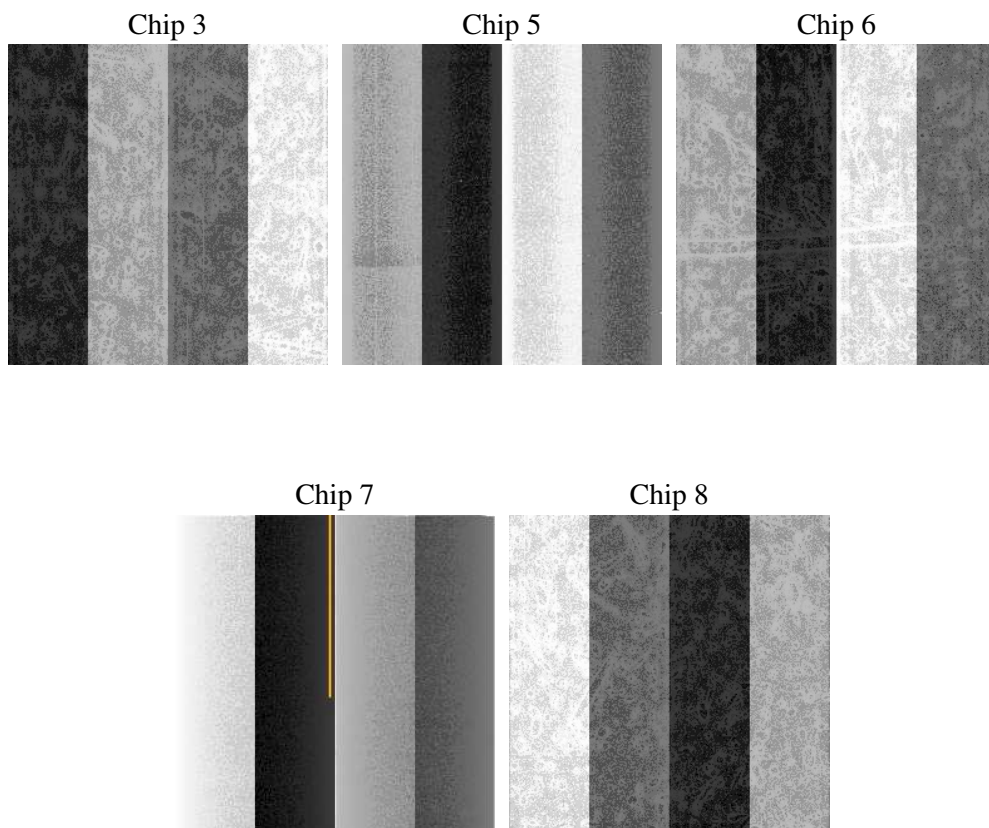
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-06-28T02:00:42
revision	2

sched_exp_time	44000.000000
ontime	44112.211652517
ontime3	44112.211652517
ontime5	44112.211672425
ontime6	44109.070712179
ontime7	44112.211652517
ontime8	44105.929732054
l1events	1236138

### 2.1.4 Events

	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	203430	310759	209289	244577	268083
rejected events	182467	157138	185087	134876	202316
rejected %	89%	50%	88%	55%	75%

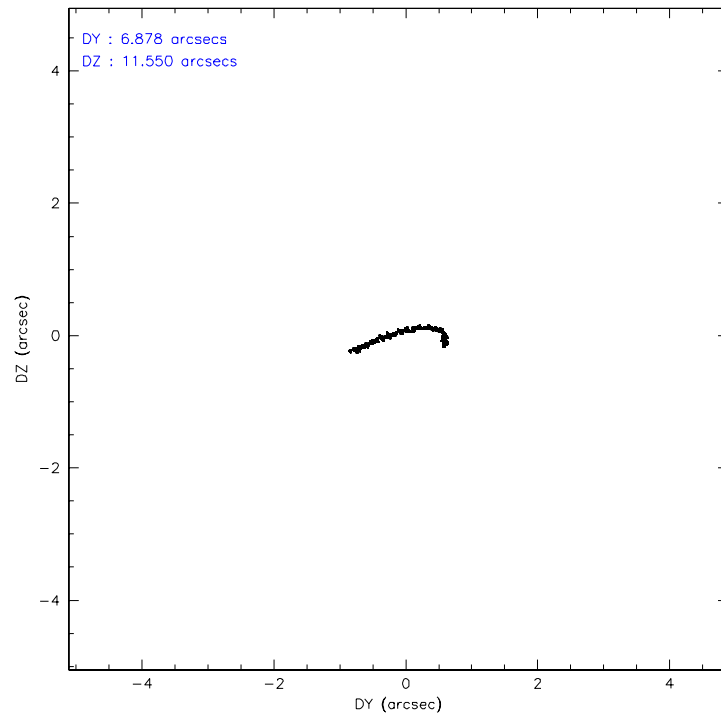
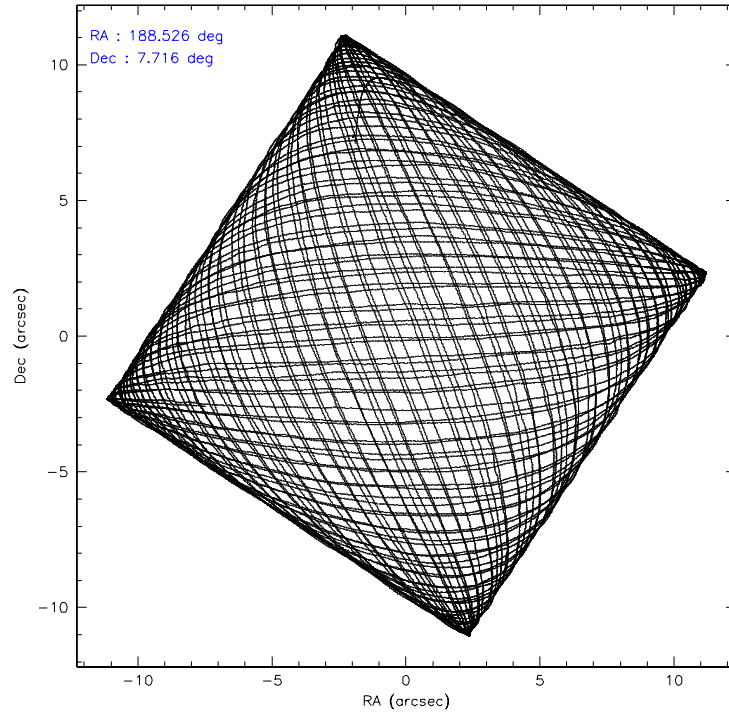
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	7999	21468	9397	9333	22493
	3%	6%	4%	3%	8%
grade 1 events	115	134	75	134	182
	0%	0%	0%	0%	0%
grade 2 events	4307	46785	4840	26719	13654
	2%	15%	2%	10%	5%
grade 3 events	2364	3770	2492	6645	7216
	1%	1%	1%	2%	2%
grade 4 events	2383	3658	2601	6497	6555
	1%	1%	1%	2%	2%
grade 5 events	8119	16756	8557	17829	12001
	3%	5%	4%	7%	4%
grade 6 events	3914	77965	4876	60523	15875
	1%	25%	2%	24%	5%
grade 7 events	174229	140223	176451	116897	190107
	85%	45%	84%	47%	70%

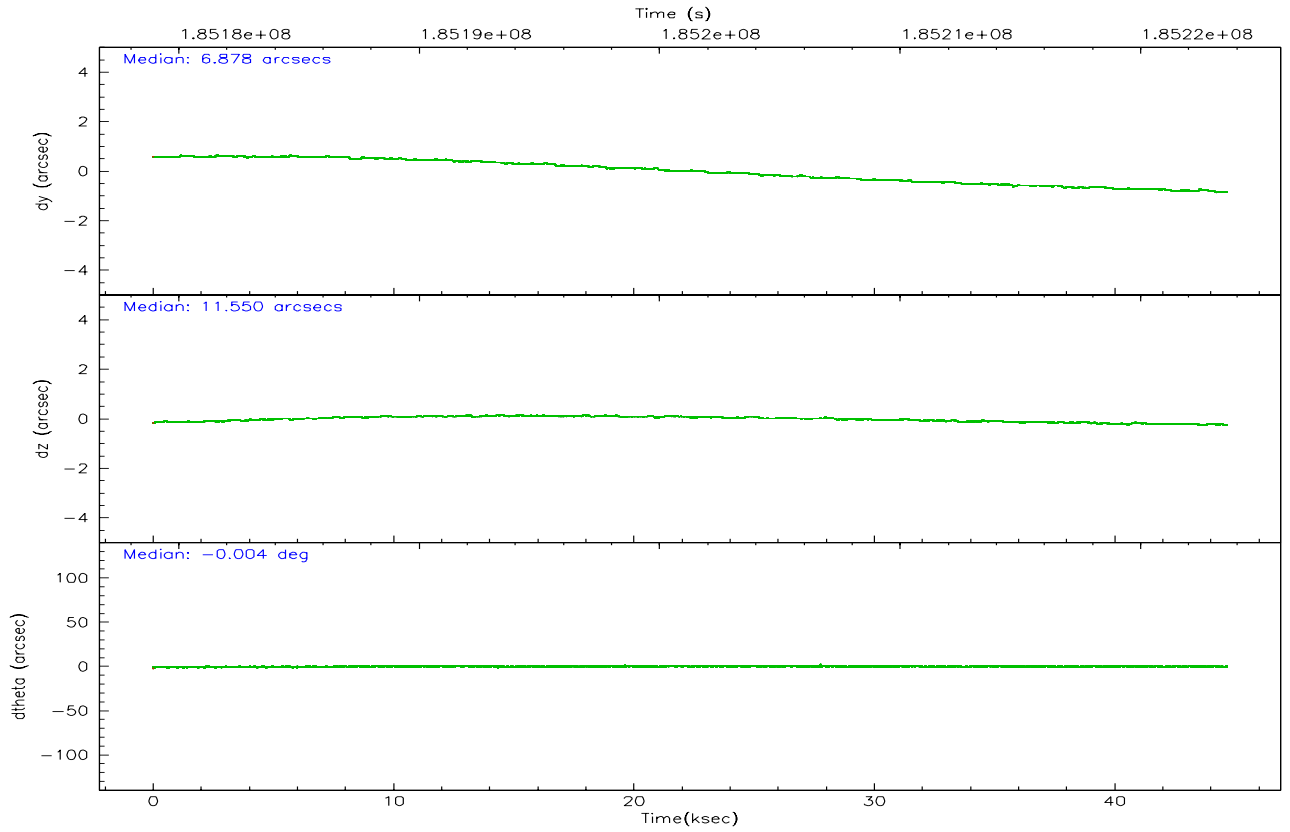
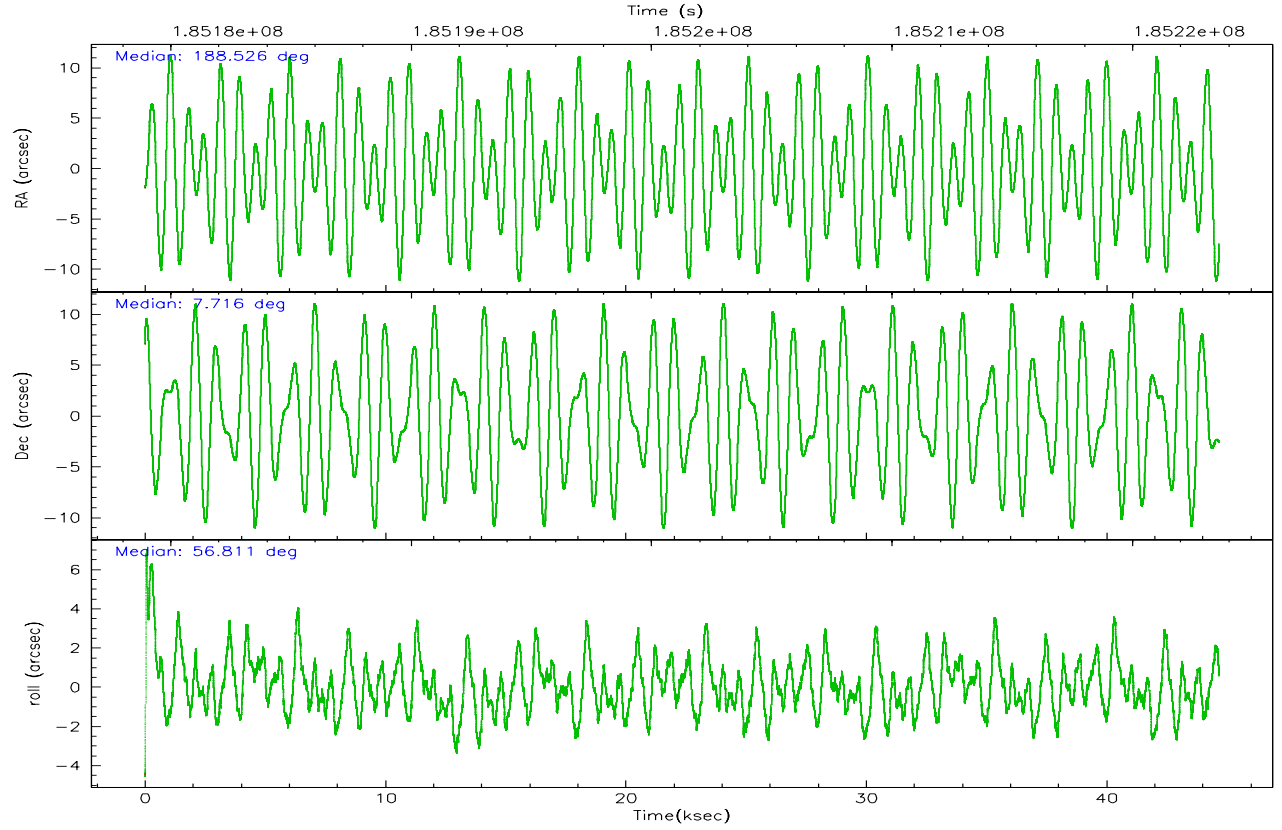


## 2.2 Compared Parameters

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	188.524646	188.5257856181979	Alternating exposures requested	N	N
Pointing Dec	7.688967	7.716160634333828	Primary exposure time	0.000000	3.1
Pointing Roll	56.657779	56.81425256829883			
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	185179601.184000	185178395.53148			
Observation start date	2003-11-14T06:45:37	2003-11-14T06:26:35			
Observation end time	185223601.184000	185223967.54595			
Observation end date	2003-11-14T18:58:57	2003-11-14T19:06:07			
Read mode	TIMED	TIMED			

## 2.3 Aspect



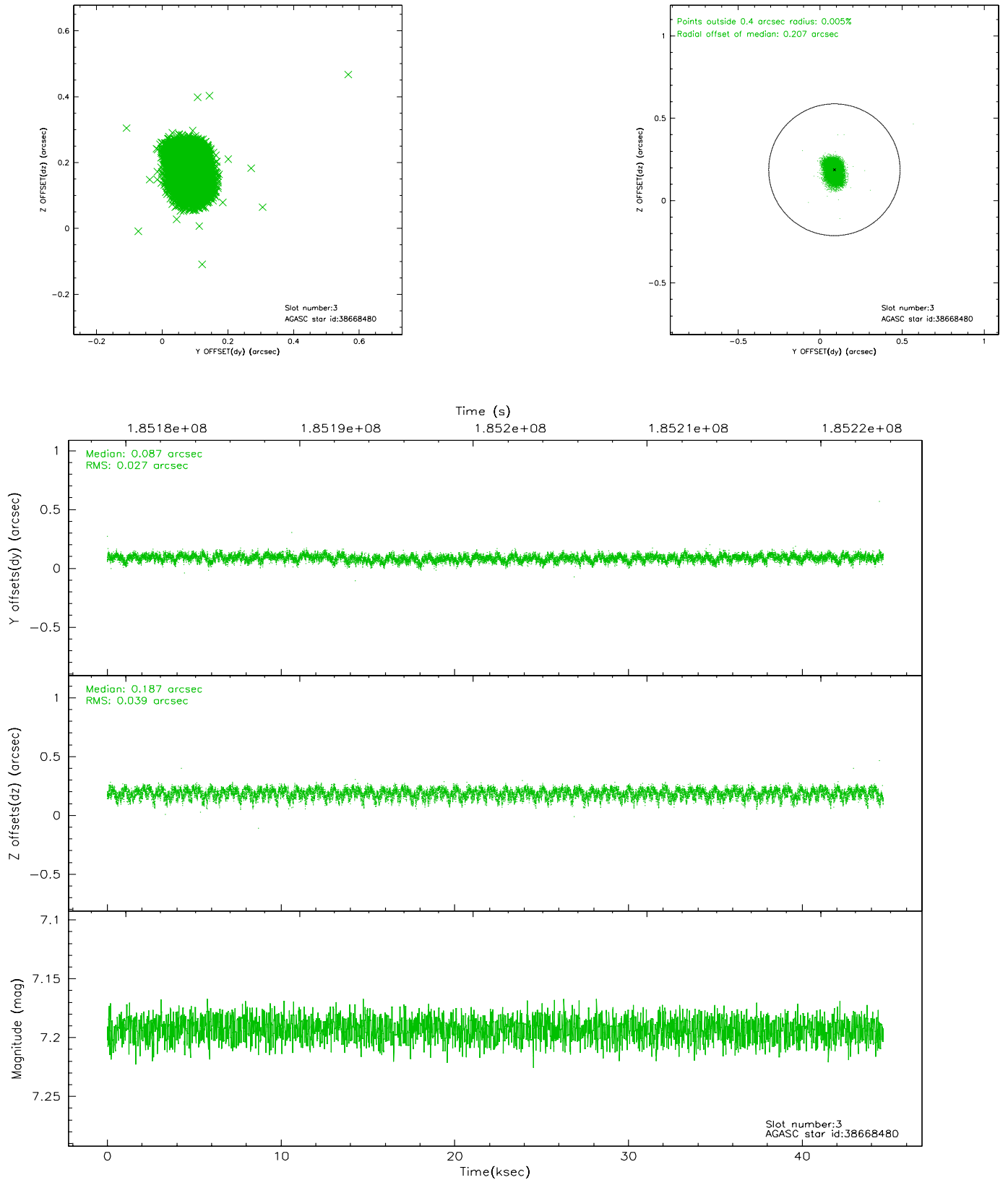


### Slot Statistics

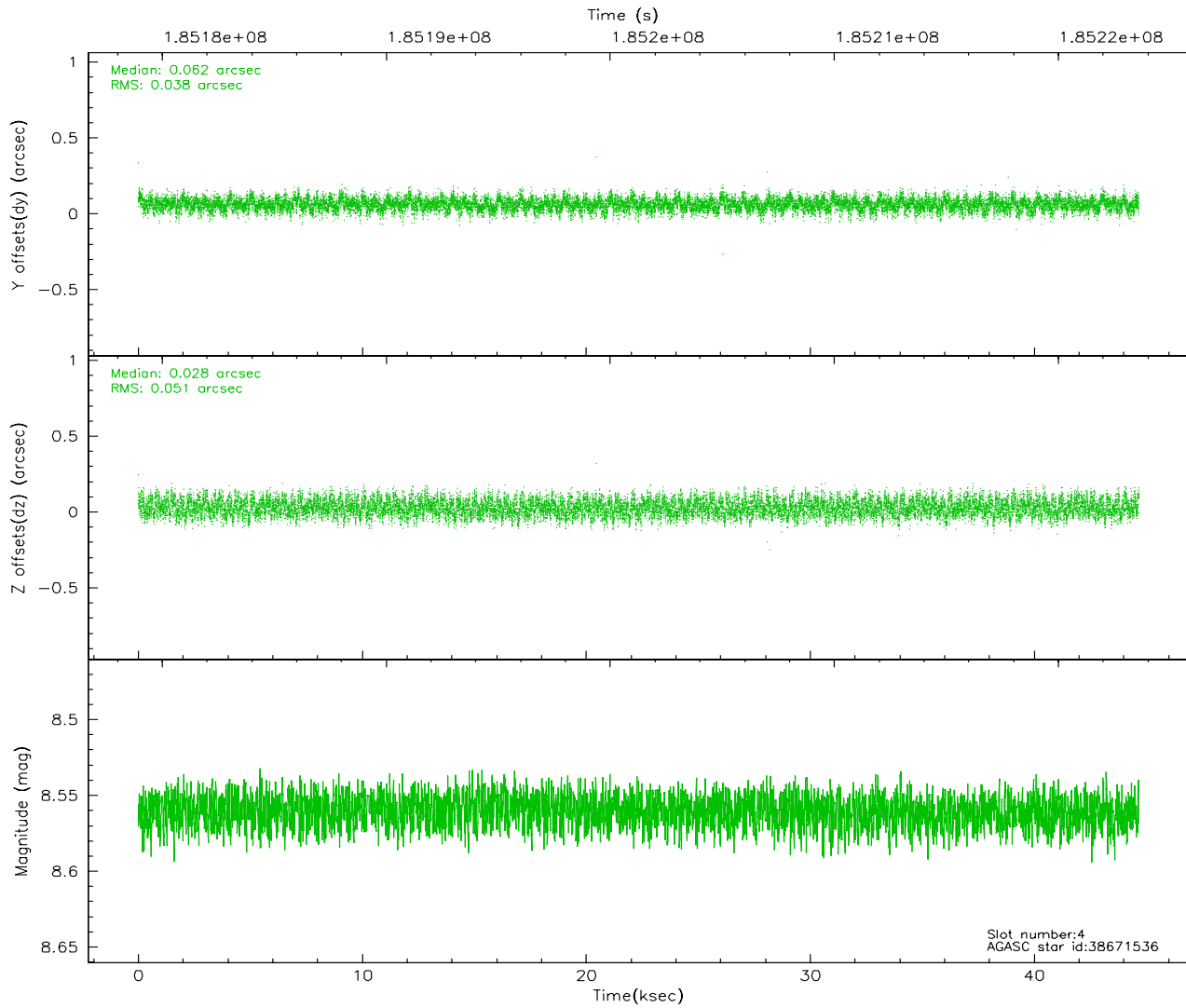
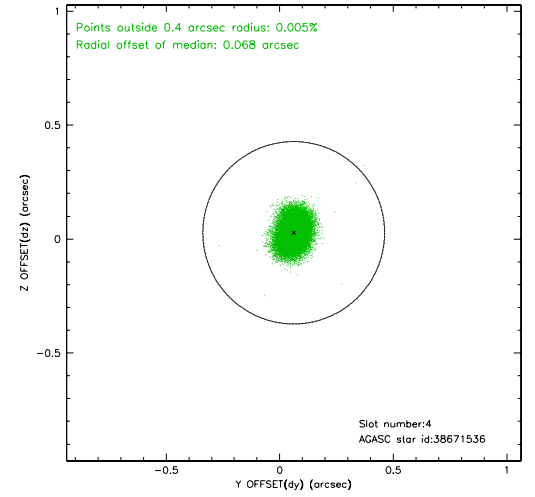
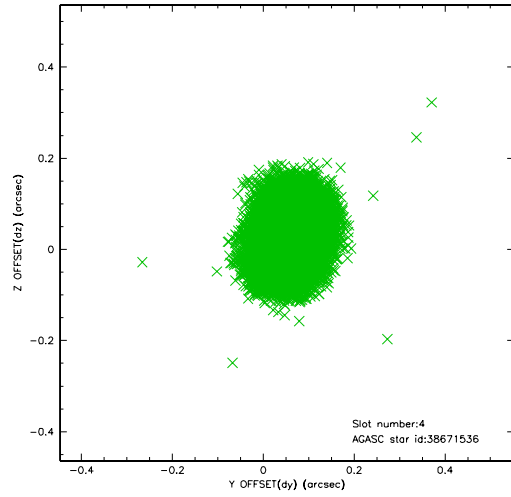
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	10898	-0.024	0.009	0.014	0.021	0.000000	0.000000	-759.62	-1732.81
1	FID	ACIS-S-4	7.20	10898	0.007	0.011	0.010	0.019	0.000000	0.000000	2153.68	175.68
2	FID	ACIS-S-5	7.23	10898	-0.015	-0.009	0.012	0.019	0.000000	0.000000	-1812.46	169.32
3	GUIDE	38668480	7.19	21795	0.087	0.187	0.049	0.083	188.284505	7.250208	-1790.40	-151.39
4	GUIDE	38671536	8.56	21787	0.062	0.028	0.069	0.108	188.748078	7.439883	-310.30	-1158.77
5	GUIDE	114563104	6.83	21792	0.052	-0.221	0.055	0.090	188.385813	7.679181	-301.38	394.71
6	GUIDE	114564248	7.41	21795	-0.072	-0.191	0.056	0.091	188.352467	7.946007	435.54	1021.53
7	GUIDE	114695376	9.19	21782	-0.127	0.197	0.086	0.139	189.203557	7.933205	2066.96	-1537.46

## 2.4 Star Slots

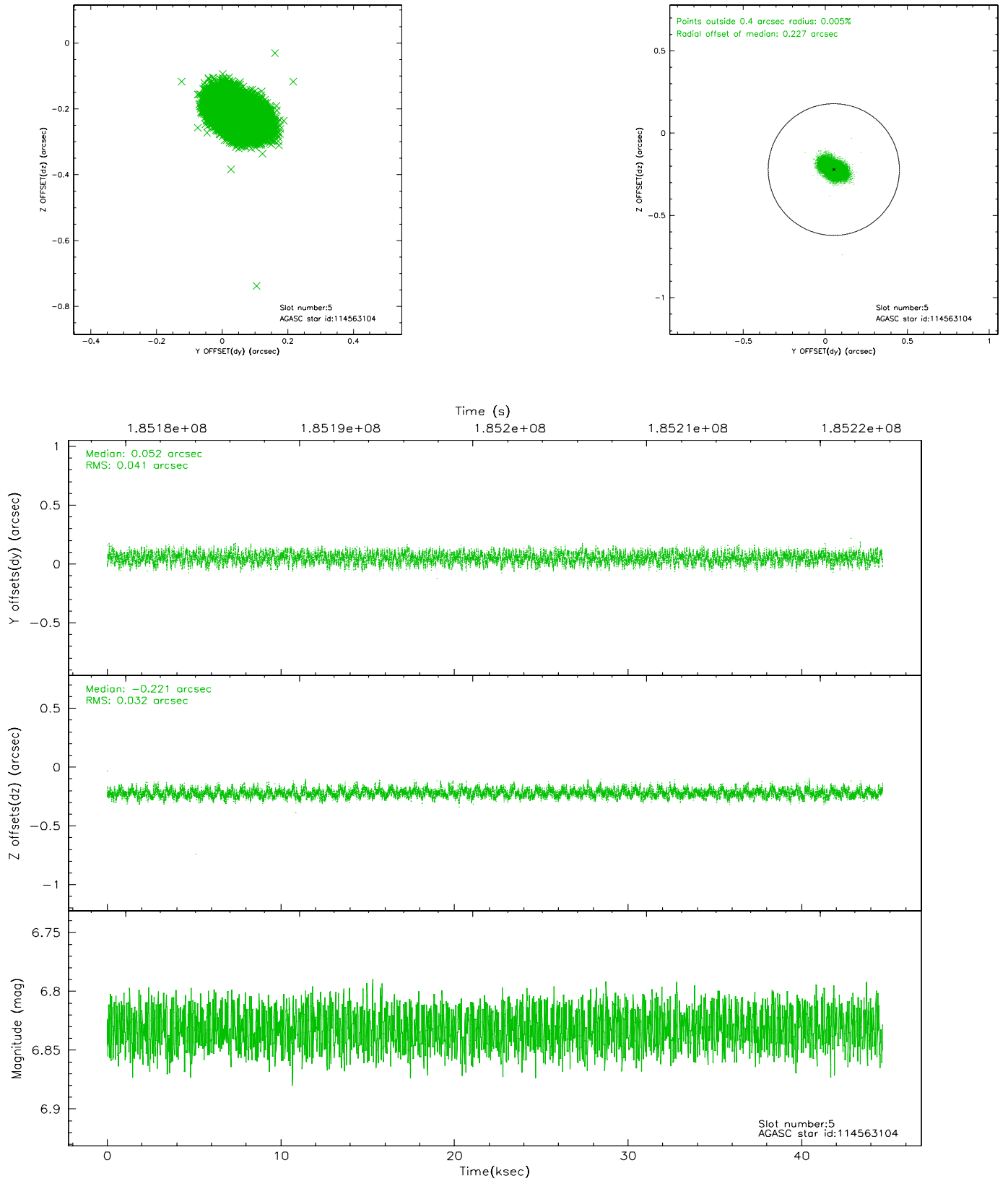
### 2.4.1 Slot 3



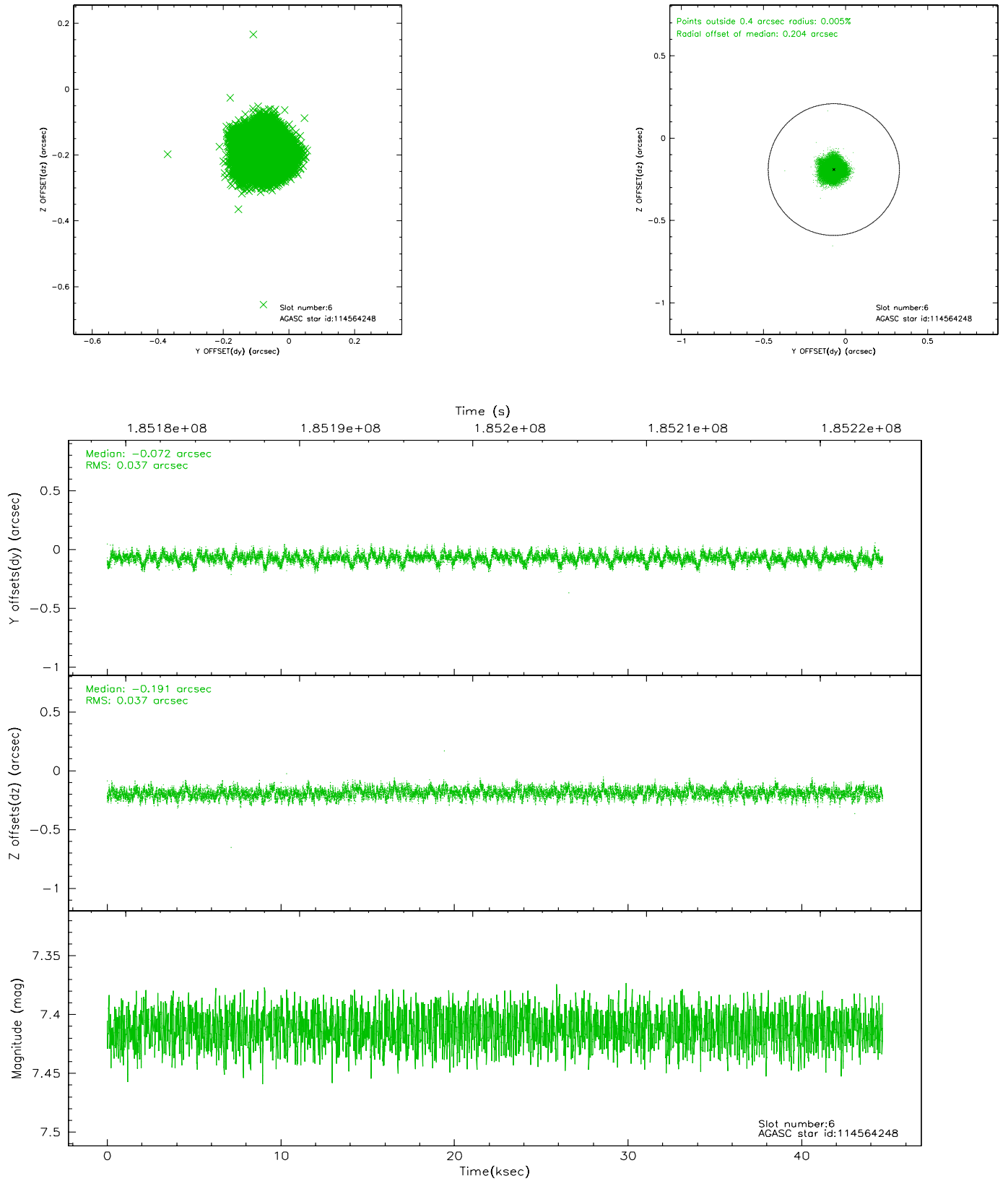
## 2.4.2 Slot 4



### 2.4.3 Slot 5

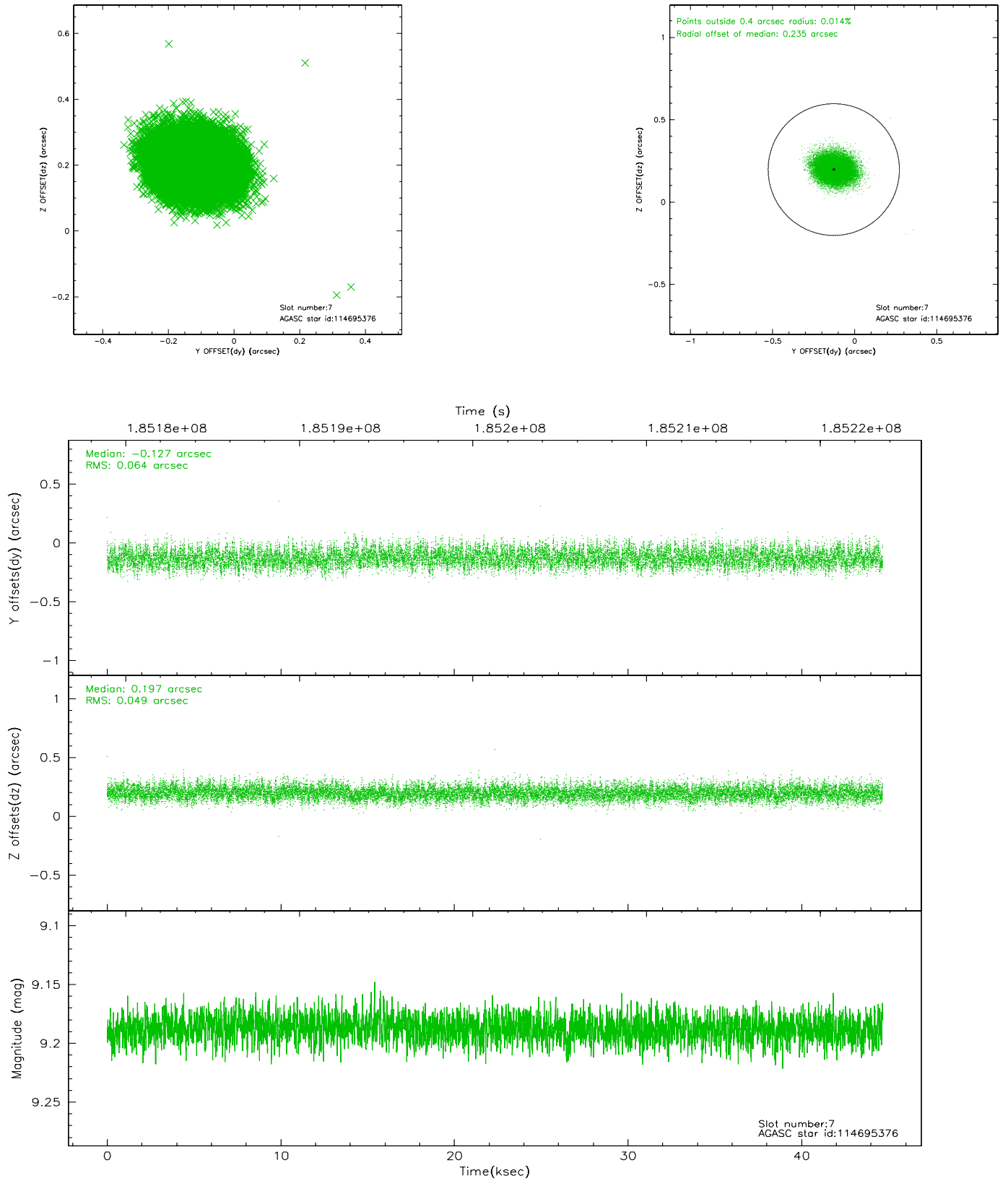


## 2.4.4 Slot 6



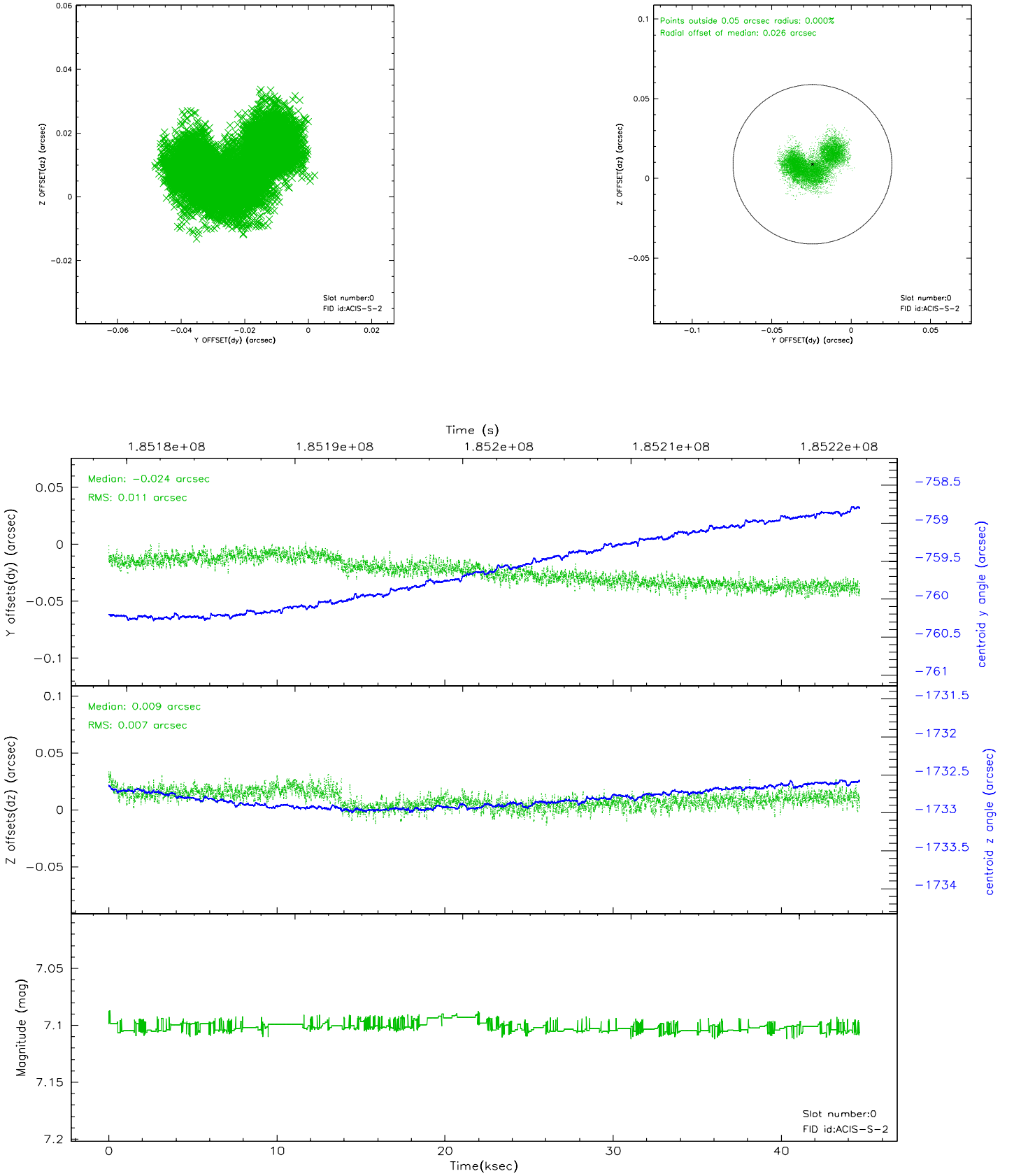


## 2.4.5 Slot 7

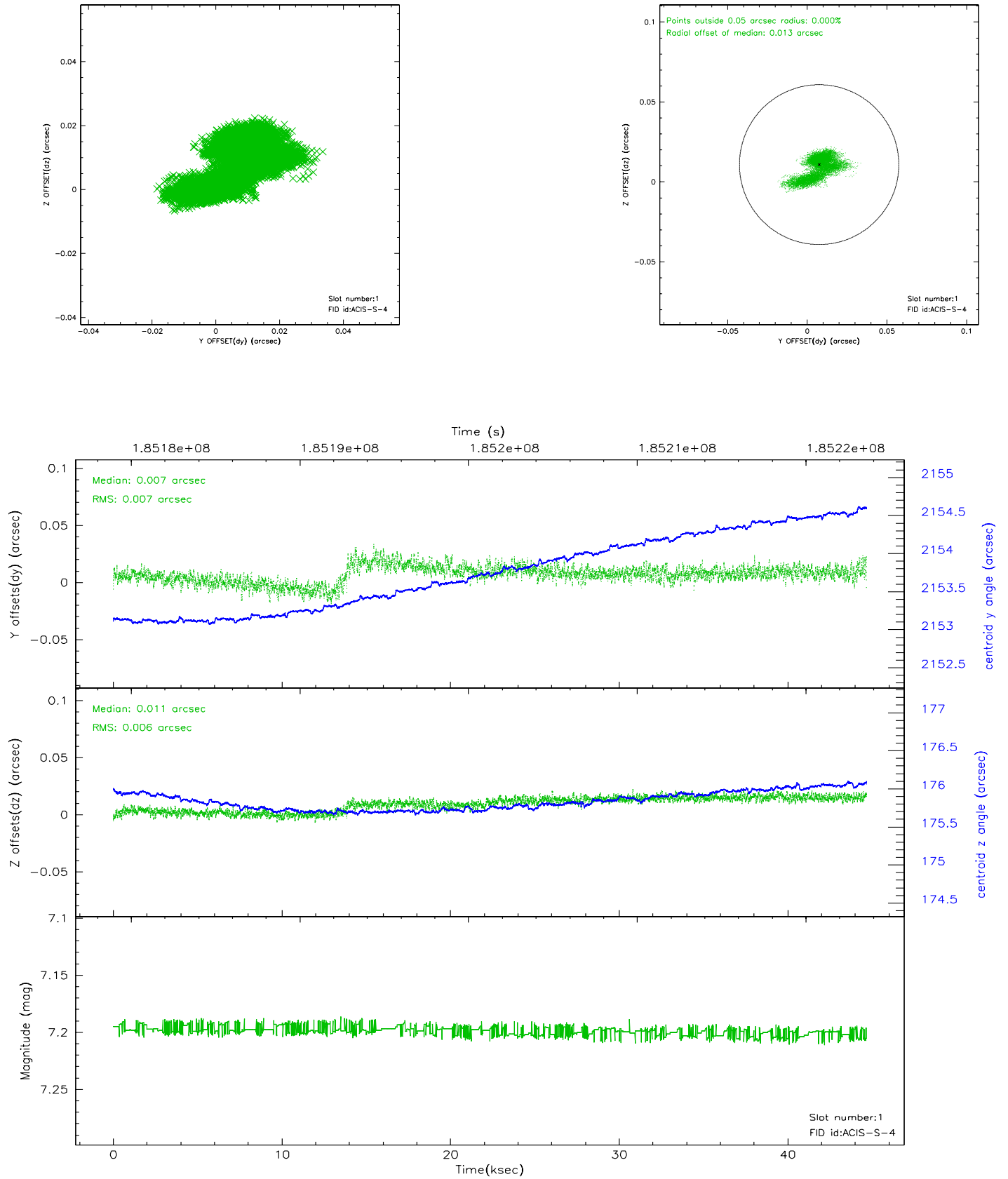


## 2.5 FID Slots

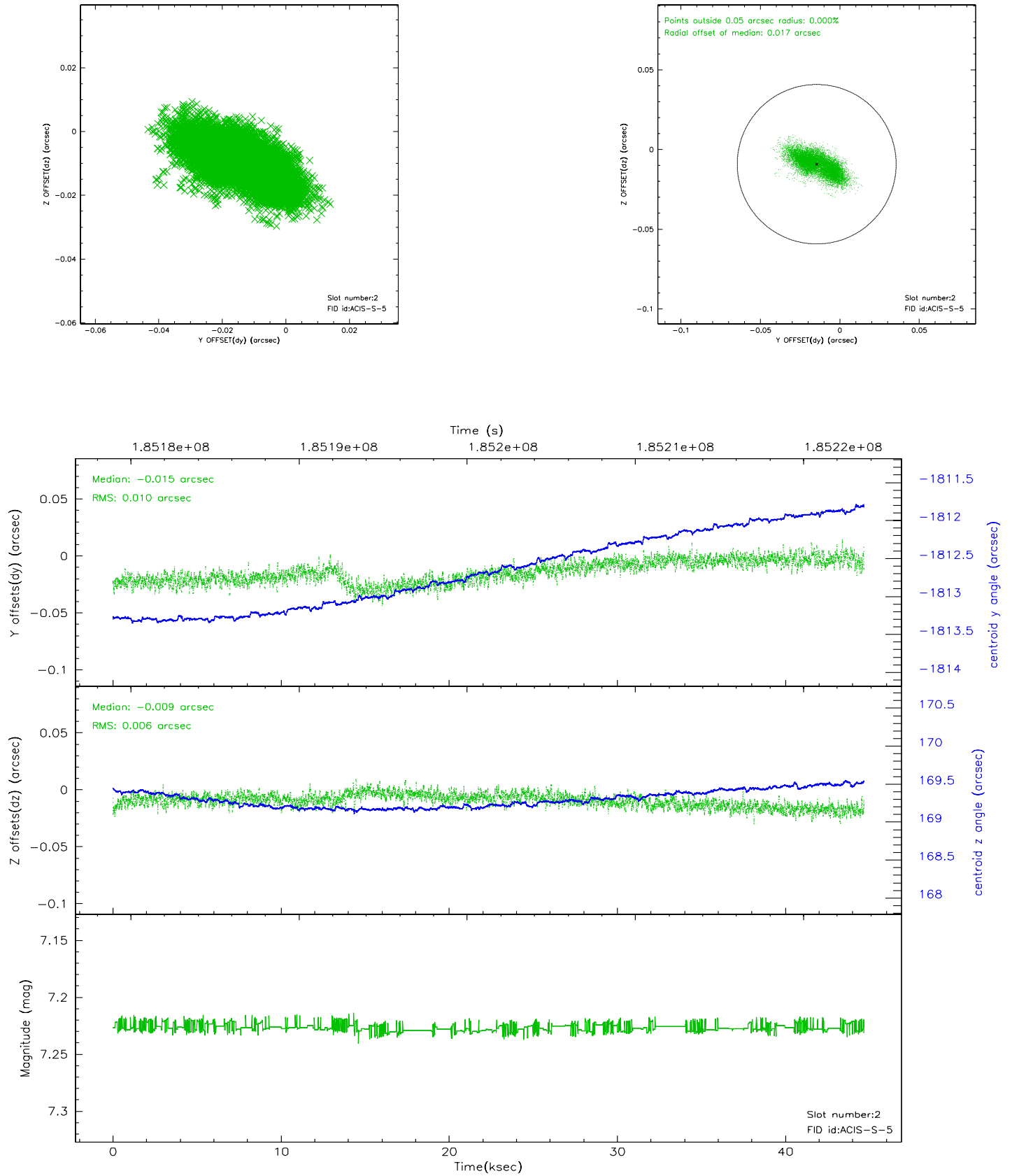
### 2.5.1 Slot 0



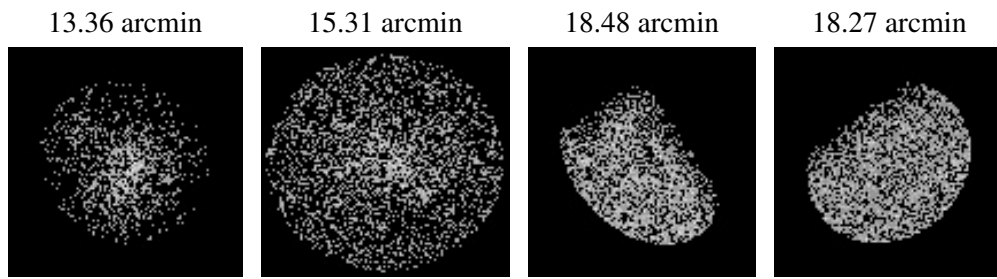
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	44.109

### A.2 Comments