

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 2104 - L2 Version 001  
Chandra X-Ray Center

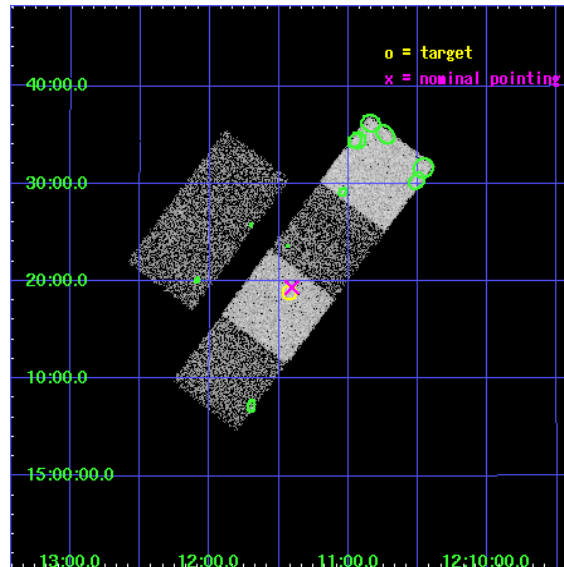
L2 Processing Date : Sep 6 2006

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# 1 Front

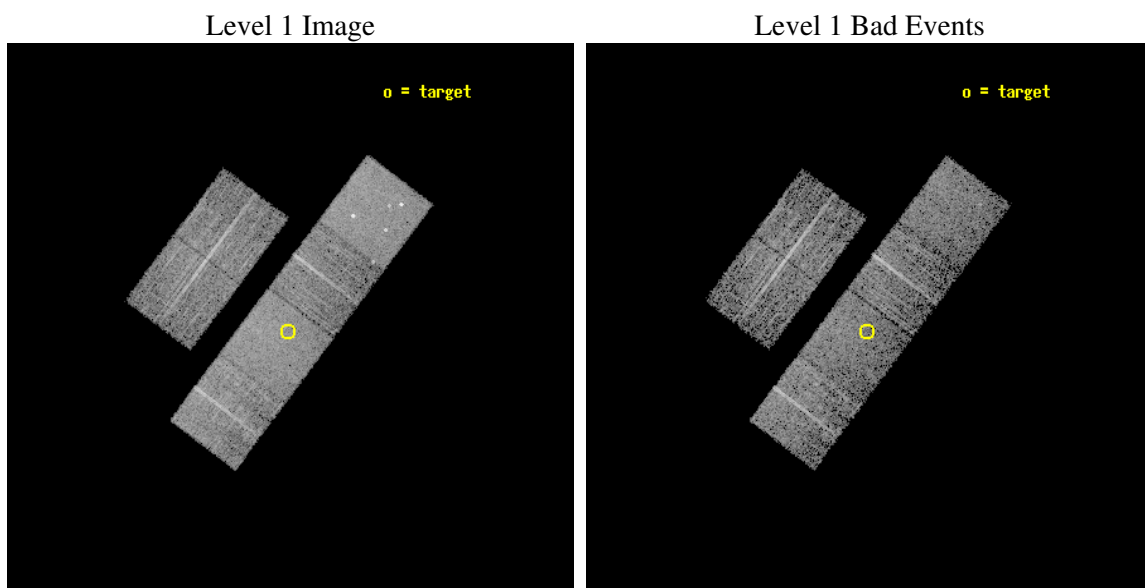
seq_num	700294
obs_id	2104
title	PUBLIC OBSERVATIONS OF A WELL-DEFINED SAMPLE OF BAL QSOS FROM THE LARGE BRIGHT QUASAR SURVEY: REMOVING THE BARRIERS
observer	Prof. William Brandt
object	LBQS 1208+1535
dtcycle	0
cycle	P
ra_targ	182.85625
dec_targ	15.314139
ra_nom	182.85166970508
dec_nom	15.322708441707
roll_nom	127.0192994531
revision	2
ontime	4960.0000046194
livetime	4897.1934980074
ontime2	4960.0000046194
ontime3	4960.0000046194
ontime5	4960.0000046194
ontime6	4956.7590243667
ontime7	4960.0000046194
ontime8	4960.0000046194
l2events	49840



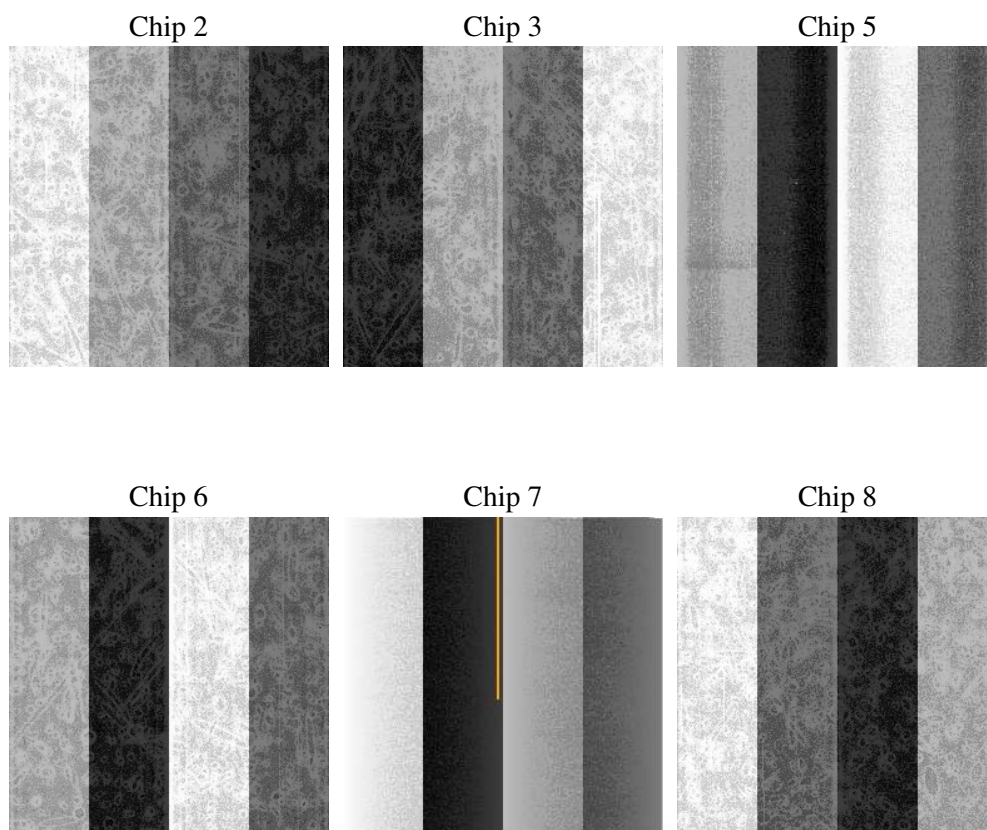
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	4
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-09-06T11:43:49
revision	2

sched_exp_time	5000.000000
ontime	4961.9812609553
ontime2	4961.9812609553
ontime3	4961.9812609553
ontime5	4961.9812609553
ontime6	4958.7402807027
ontime7	4961.9812609553
ontime8	4961.9812609553
l1events	236908

### 2.1.4 Events

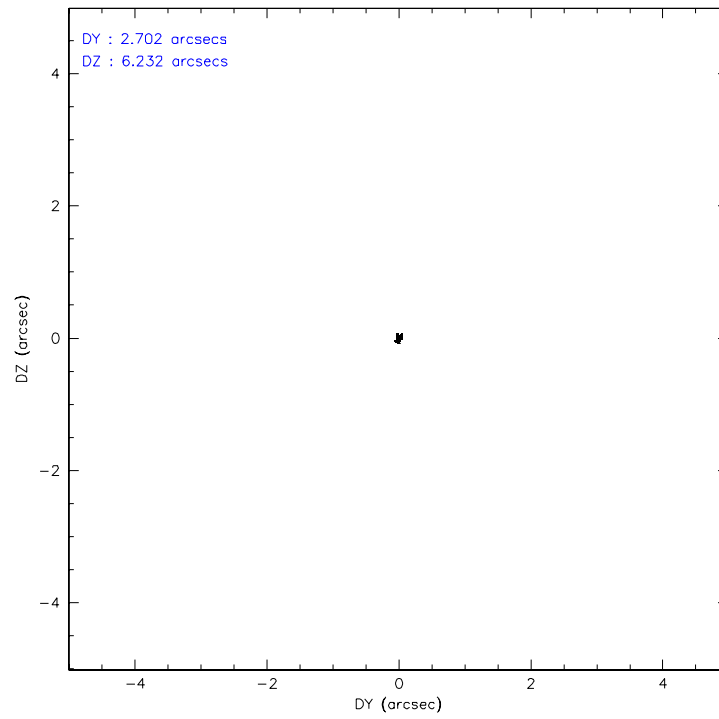
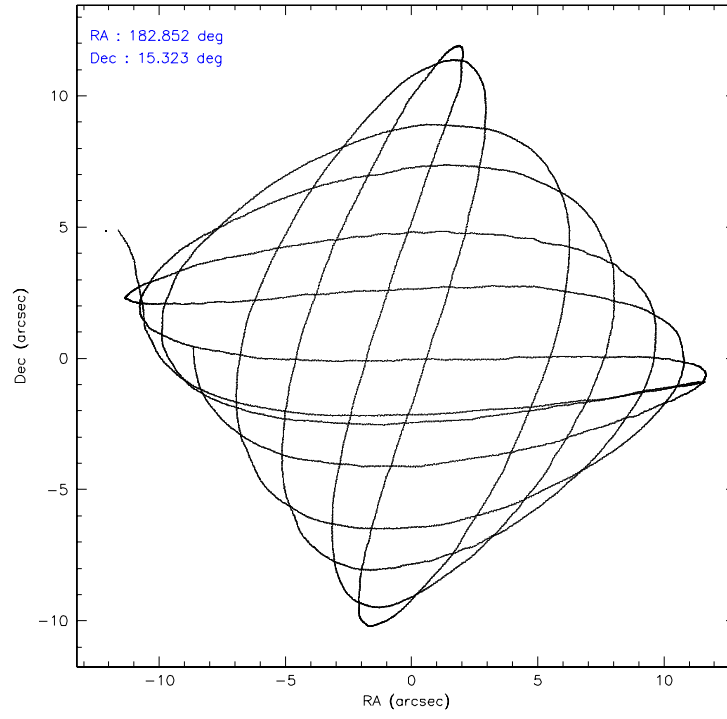
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33803	33308	49223	33345	44277	42952
rejected events	29934	29508	26553	29539	27580	33989
rejected %	88%	88%	53%	88%	62%	79%

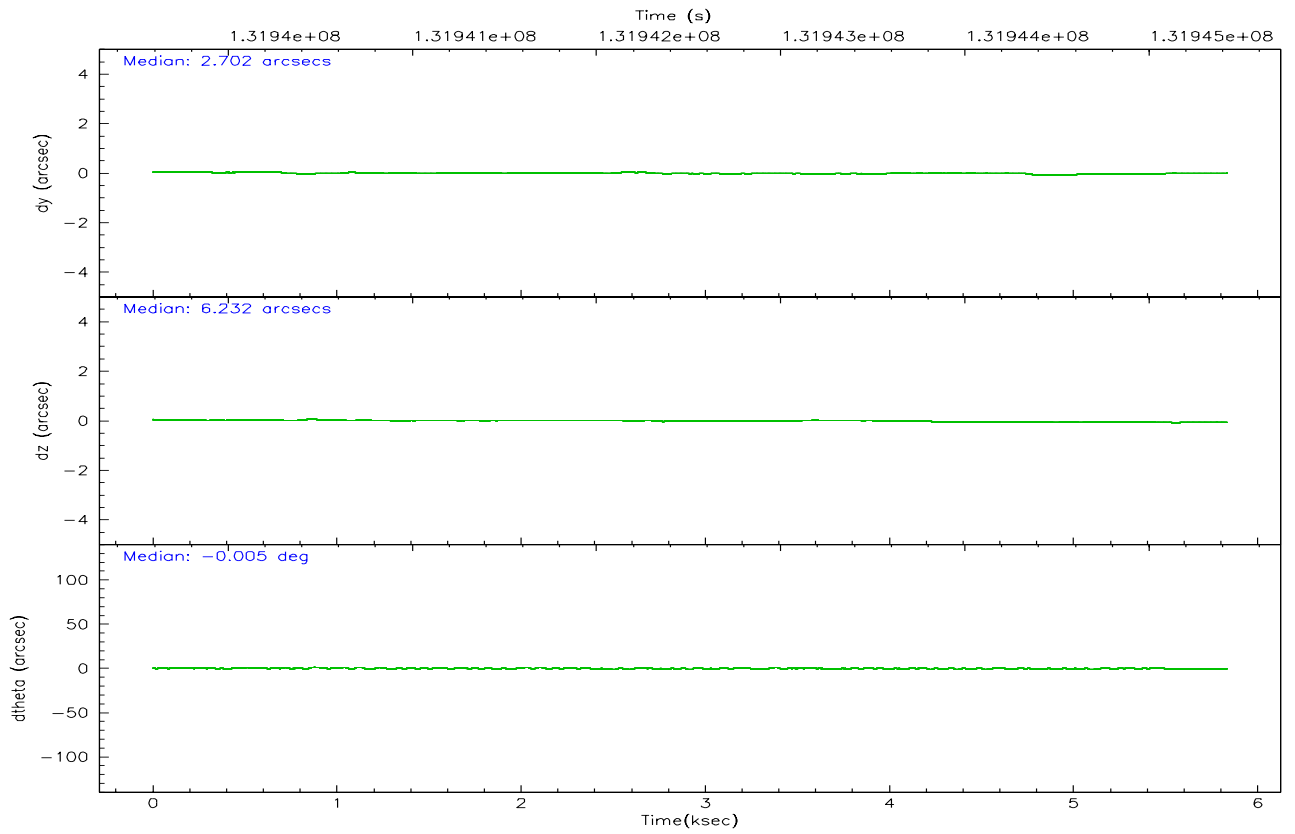
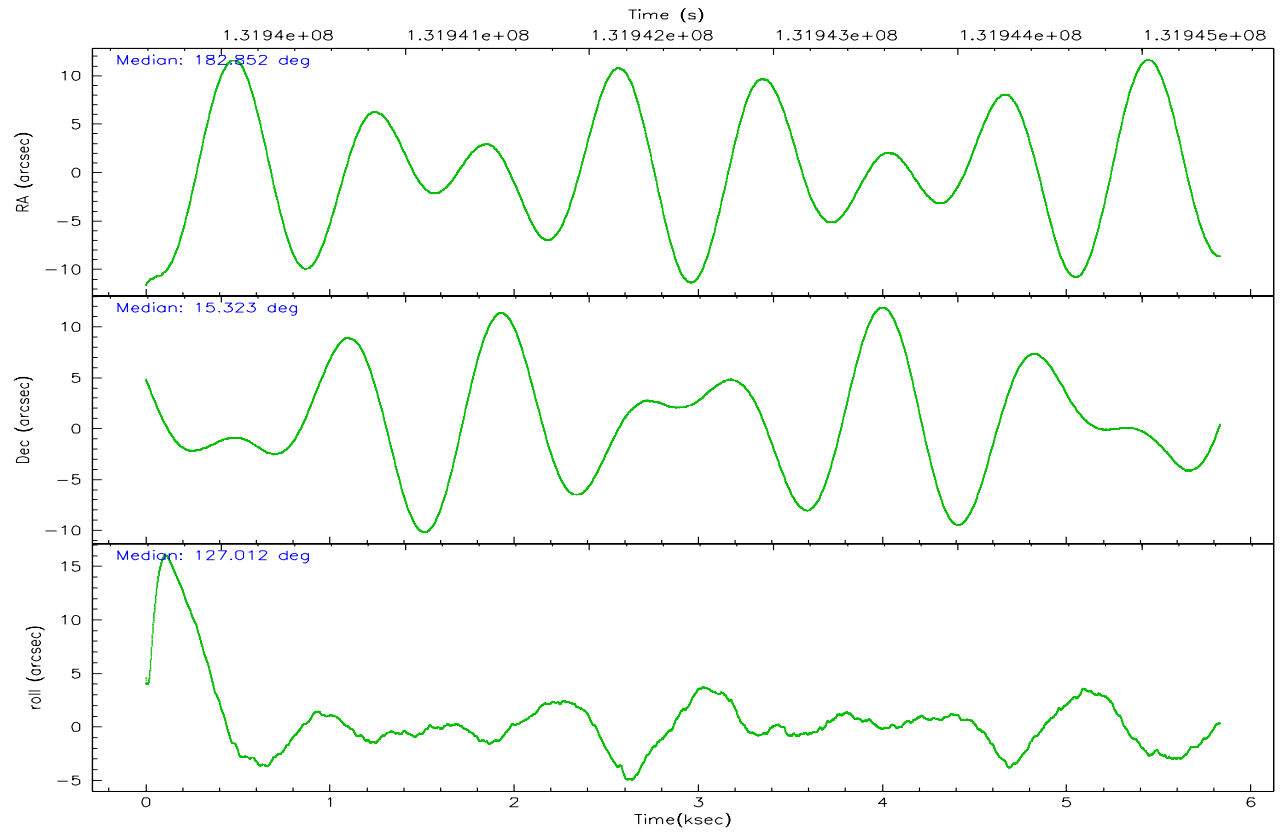
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1604	1662	3163	1504	997	2911
	4%	4%	6%	4%	2%	6%
grade 1 events	13	16	130	23	28	33
	0%	0%	0%	0%	0%	0%
grade 2 events	899	749	6507	801	4148	1806
	2%	2%	13%	2%	9%	4%
grade 3 events	349	355	446	351	872	1026
	1%	1%	0%	1%	1%	2%
grade 4 events	361	340	495	403	873	922
	1%	1%	1%	1%	1%	2%
grade 5 events	1237	1351	2293	1521	2954	1814
	3%	4%	4%	4%	6%	4%
grade 6 events	658	696	12079	752	9821	2302
	1%	2%	24%	2%	22%	5%
grade 7 events	28682	28139	24110	27990	24584	32138
	84%	84%	48%	83%	55%	74%

## 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	182.877851	182.8516697050809	Alternating exposures requested	N	N
Pointing Dec	15.312463	15.32270844170652	Primary exposure time	0.000000	3.2
Pointing Roll	126.855771	127.019299453096			
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	131940427.184000	131939145.0545			
Observation start date	2002-03-08T02:06:03	2002-03-08T01:45:45			
Observation end time	131945427.184000	131946180.14228			
Observation end date	2002-03-08T03:29:23	2002-03-08T03:43:00			
Read mode	TIMED	TIMED			

## 2.3 Aspect





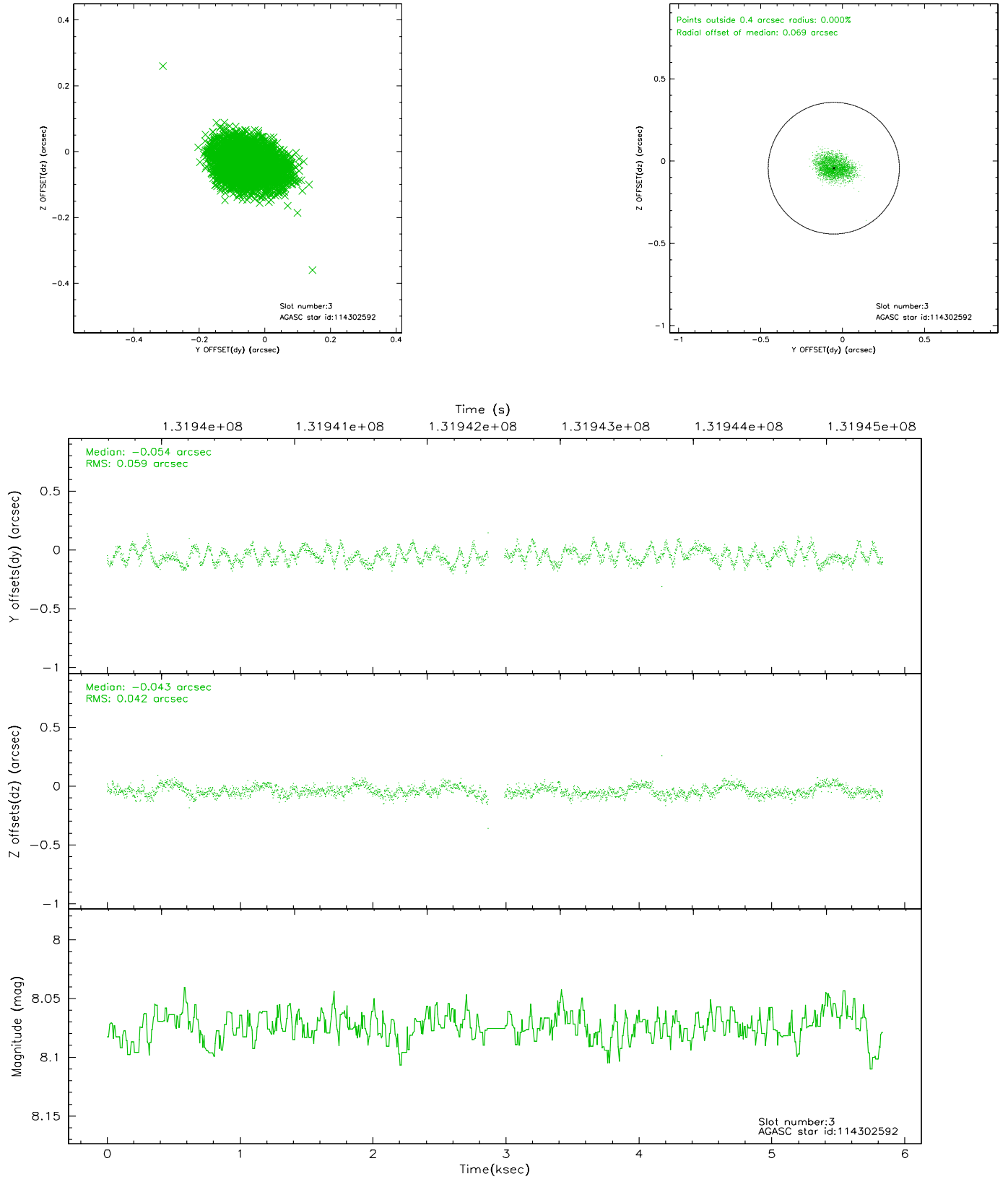
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1423	-0.019	0.039	0.006	0.010	0.000000	0.000000	-755.31	-1727.35
1	FID	ACIS-S-4	7.21	1423	-0.072	-0.001	0.005	0.009	0.000000	0.000000	2157.41	180.10
2	FID	ACIS-S-5	7.24	1423	0.060	-0.029	0.006	0.010	0.000000	0.000000	-1806.80	174.82
3	GUIDE	114302592	8.07	2781	-0.054	-0.043	0.078	0.121	182.751254	14.424375	-2293.51	2270.39
4	GUIDE	189018864	9.14	2845	0.034	-0.017	0.082	0.137	182.332375	15.411376	1421.16	1300.58
5	GUIDE	114302016	9.41	2847	0.063	0.053	0.087	0.149	183.083425	14.815890	-1858.73	499.55
6	GUIDE	189020552	9.33	2844	-0.042	0.057	0.146	0.328	183.453127	15.463537	-760.45	-1925.07
7	GUIDE	114301832	9.44	2842	-0.023	-0.030	0.086	0.139	182.929668	14.883298	-1344.69	781.26

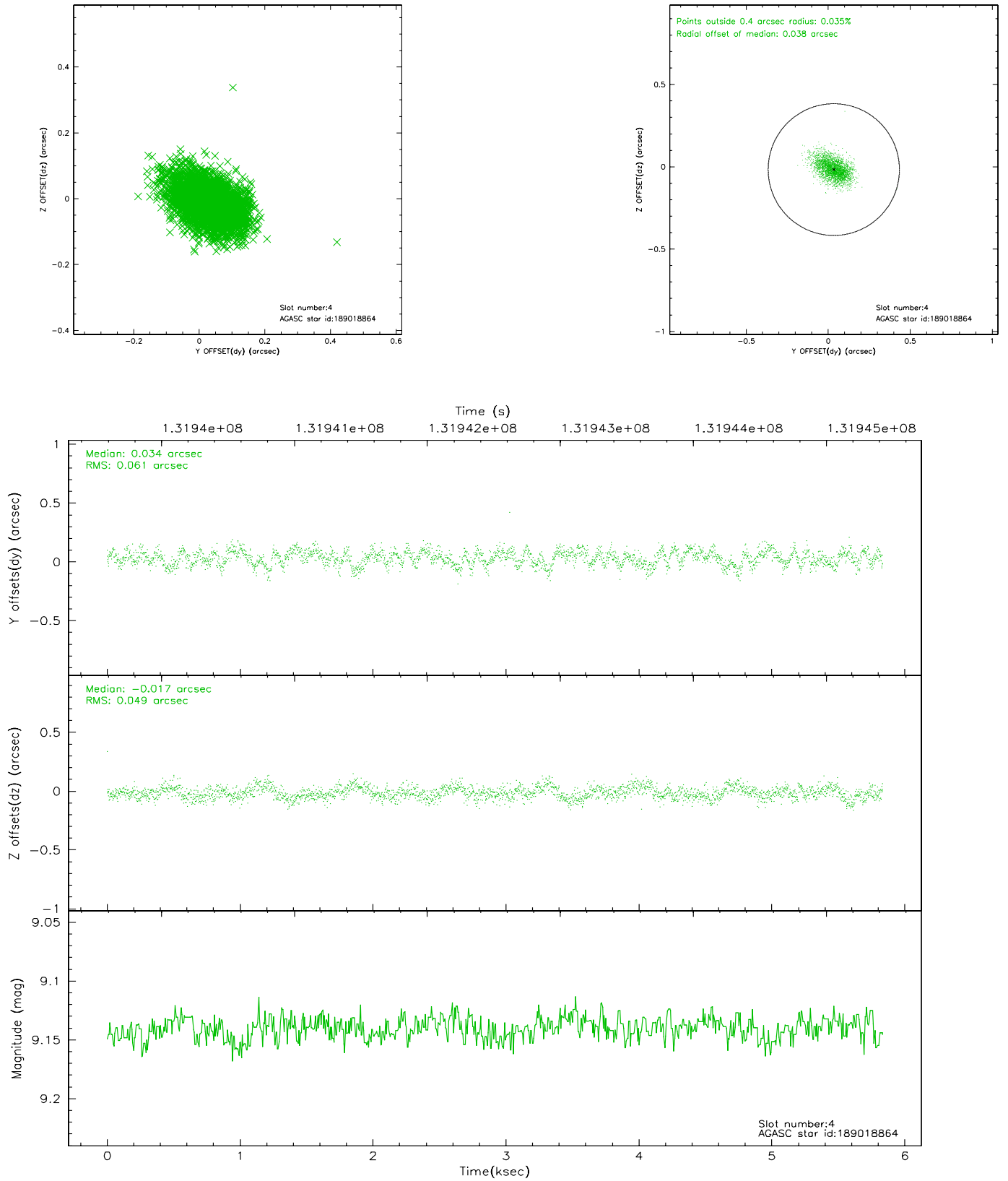


## 2.4 Star Slots

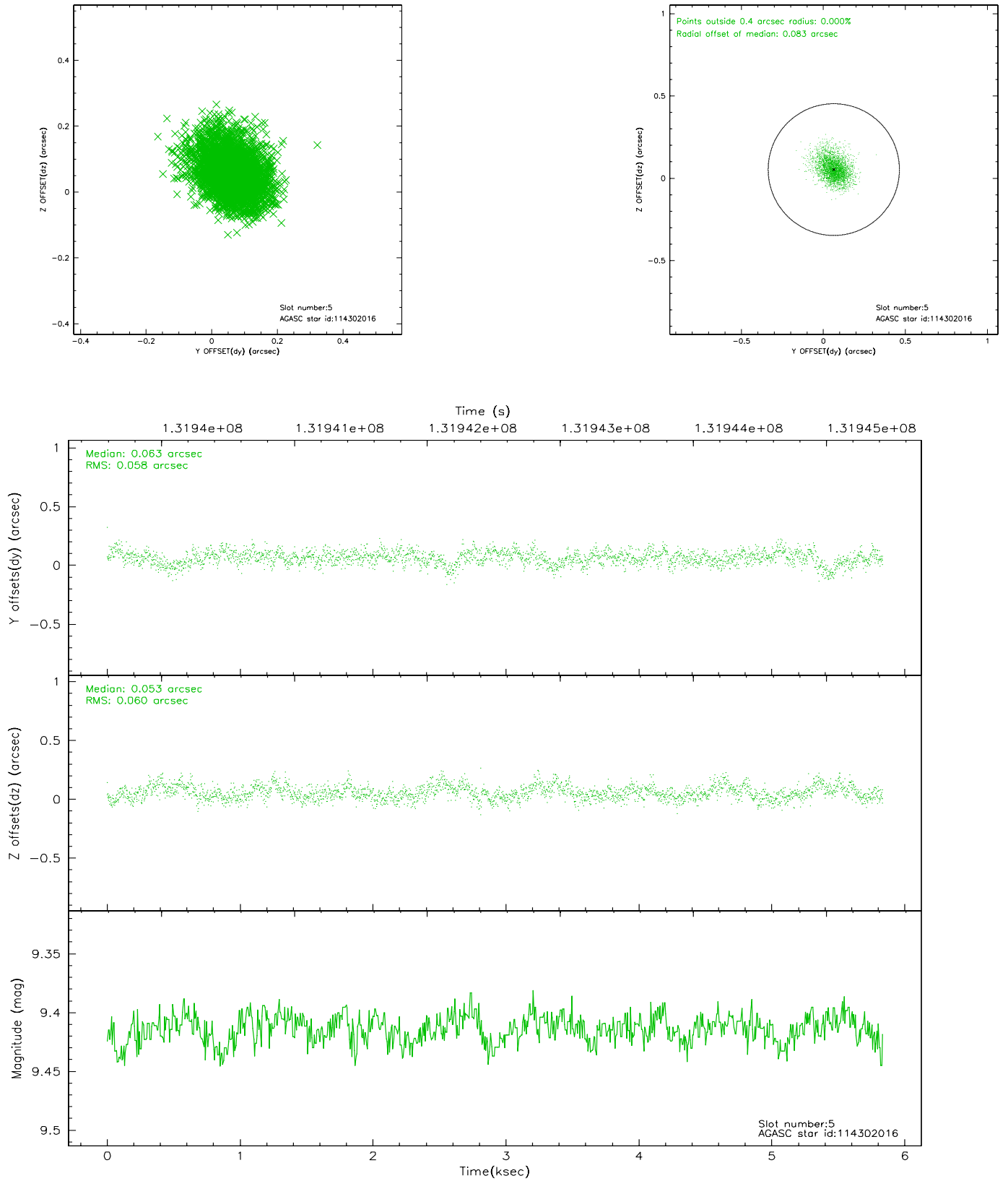
### 2.4.1 Slot 3



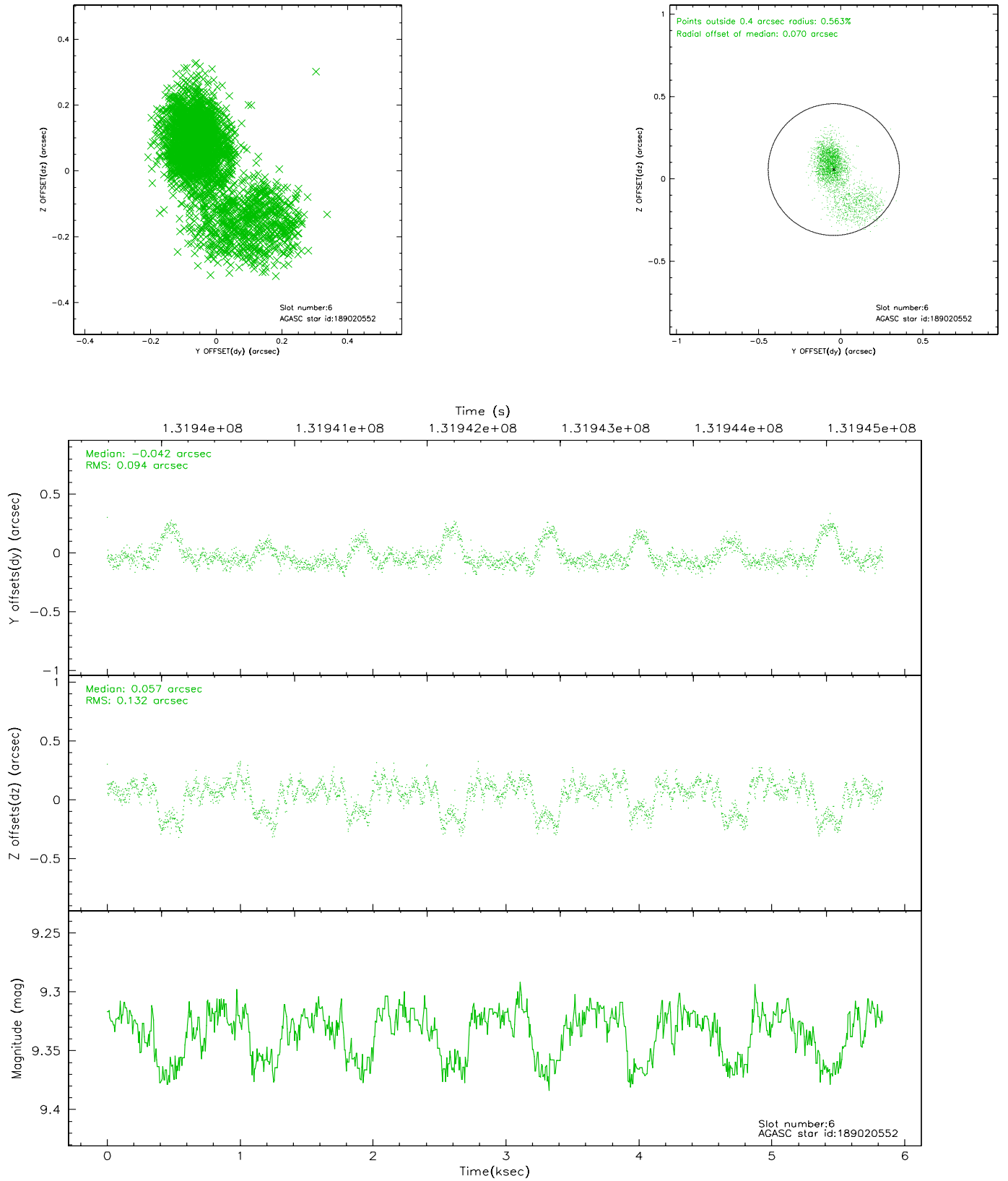
## 2.4.2 Slot 4



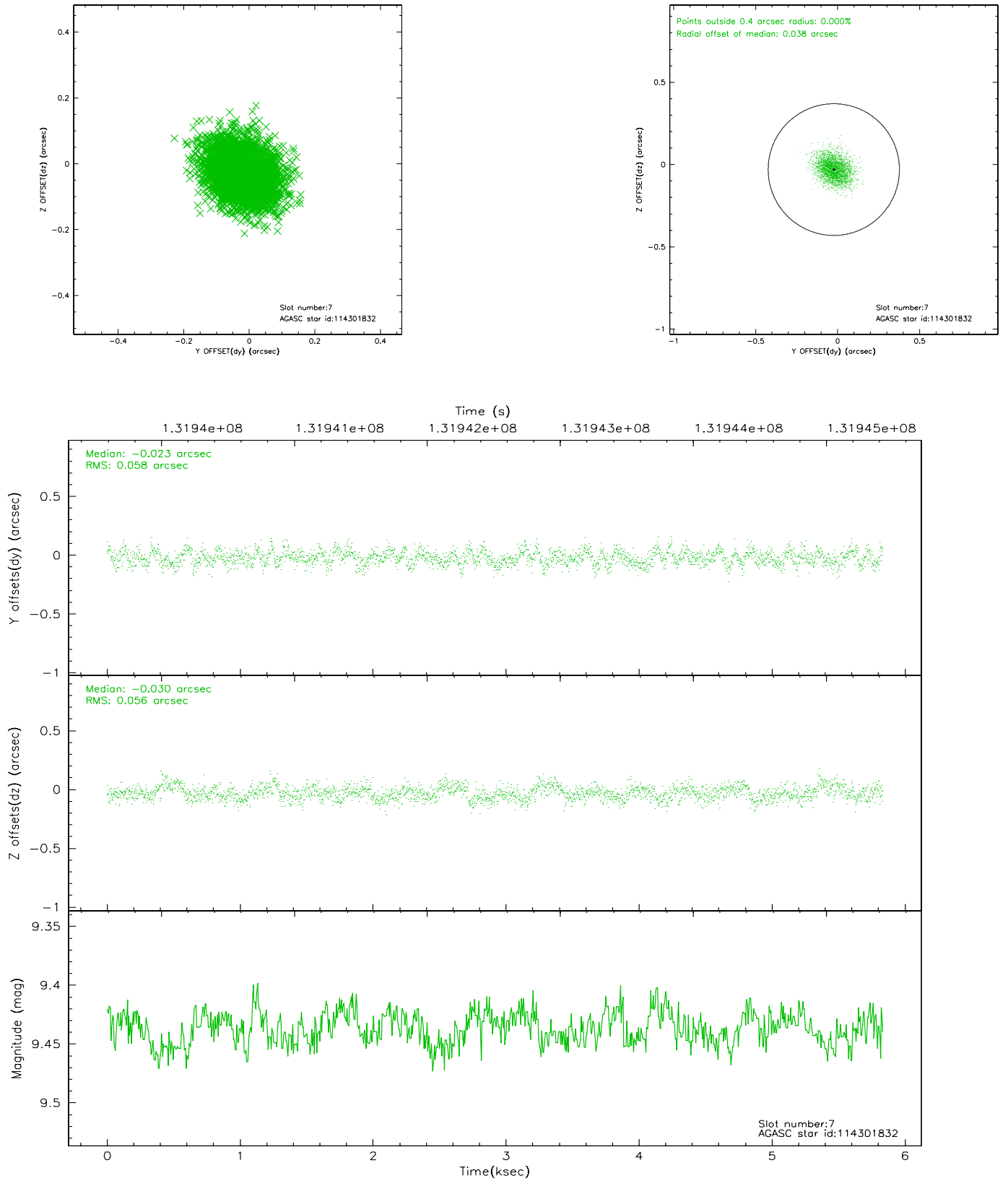
### 2.4.3 Slot 5



## 2.4.4 Slot 6

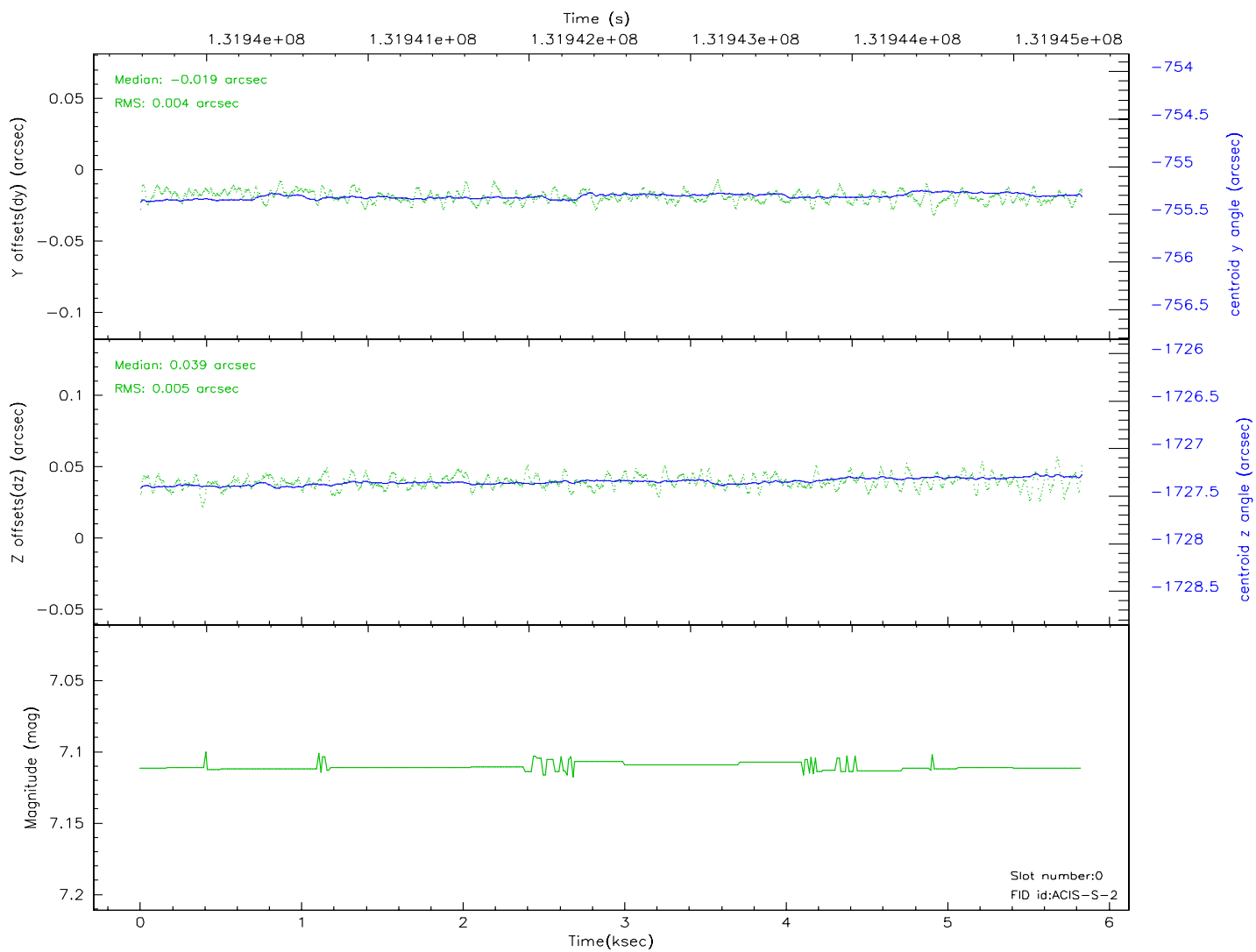
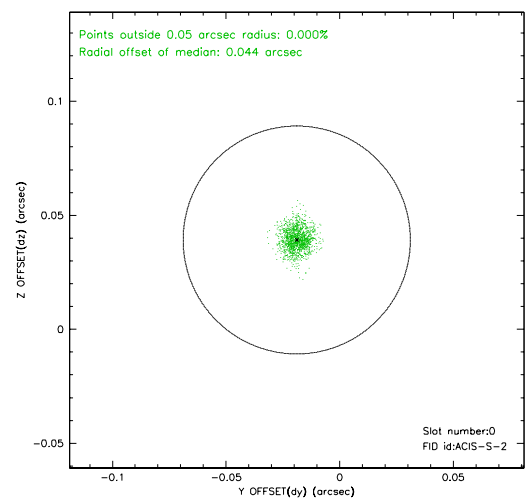
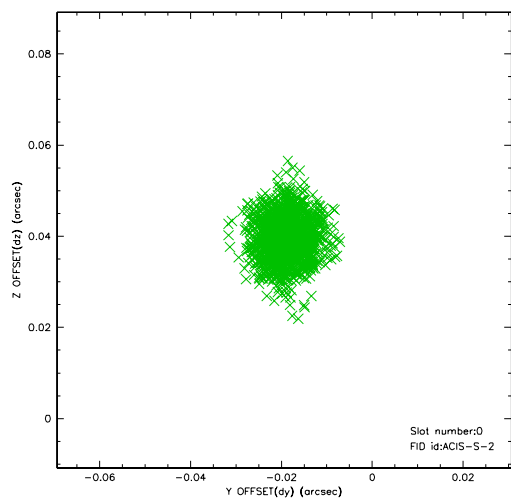


## 2.4.5 Slot 7

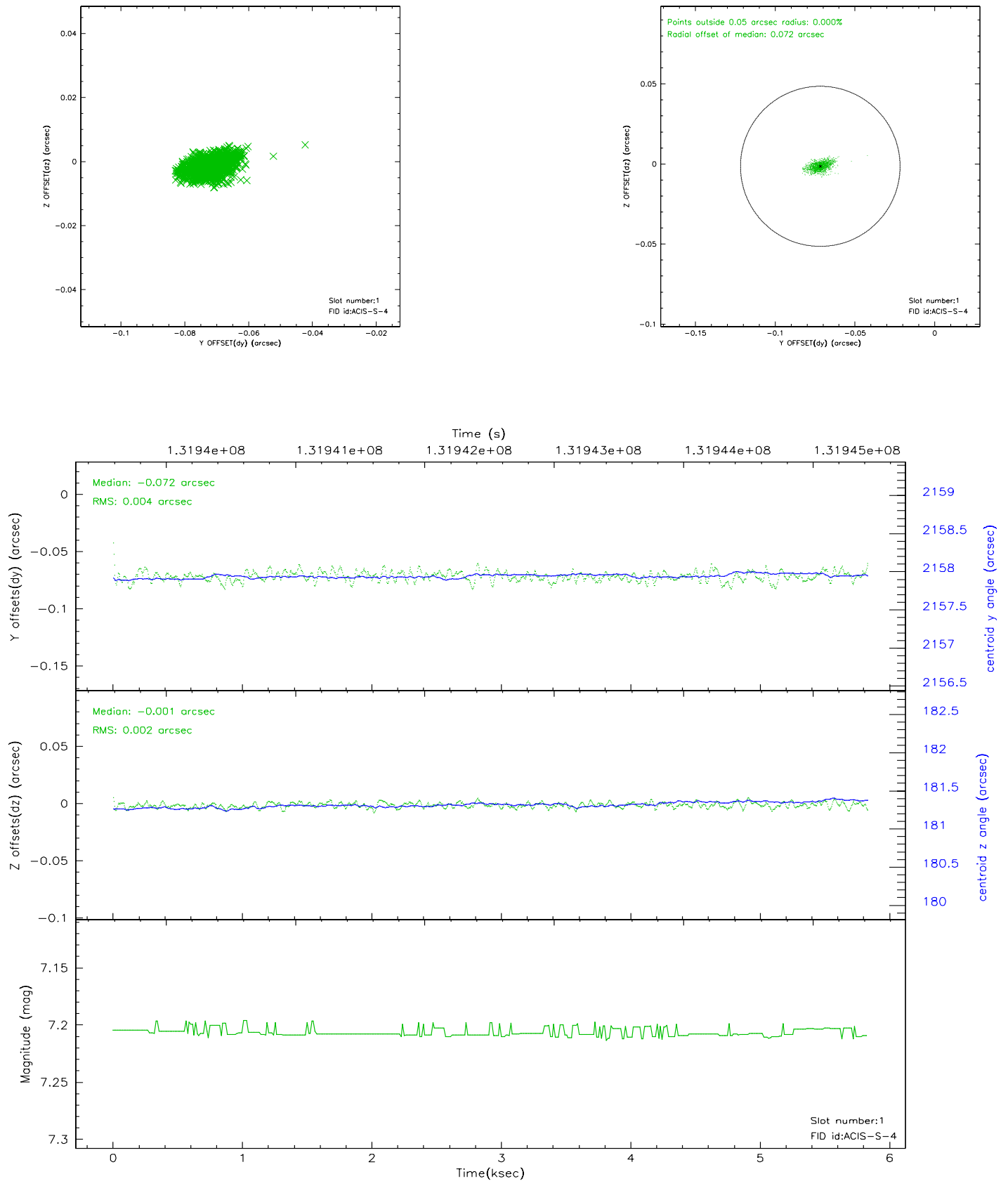


## 2.5 FID Slots

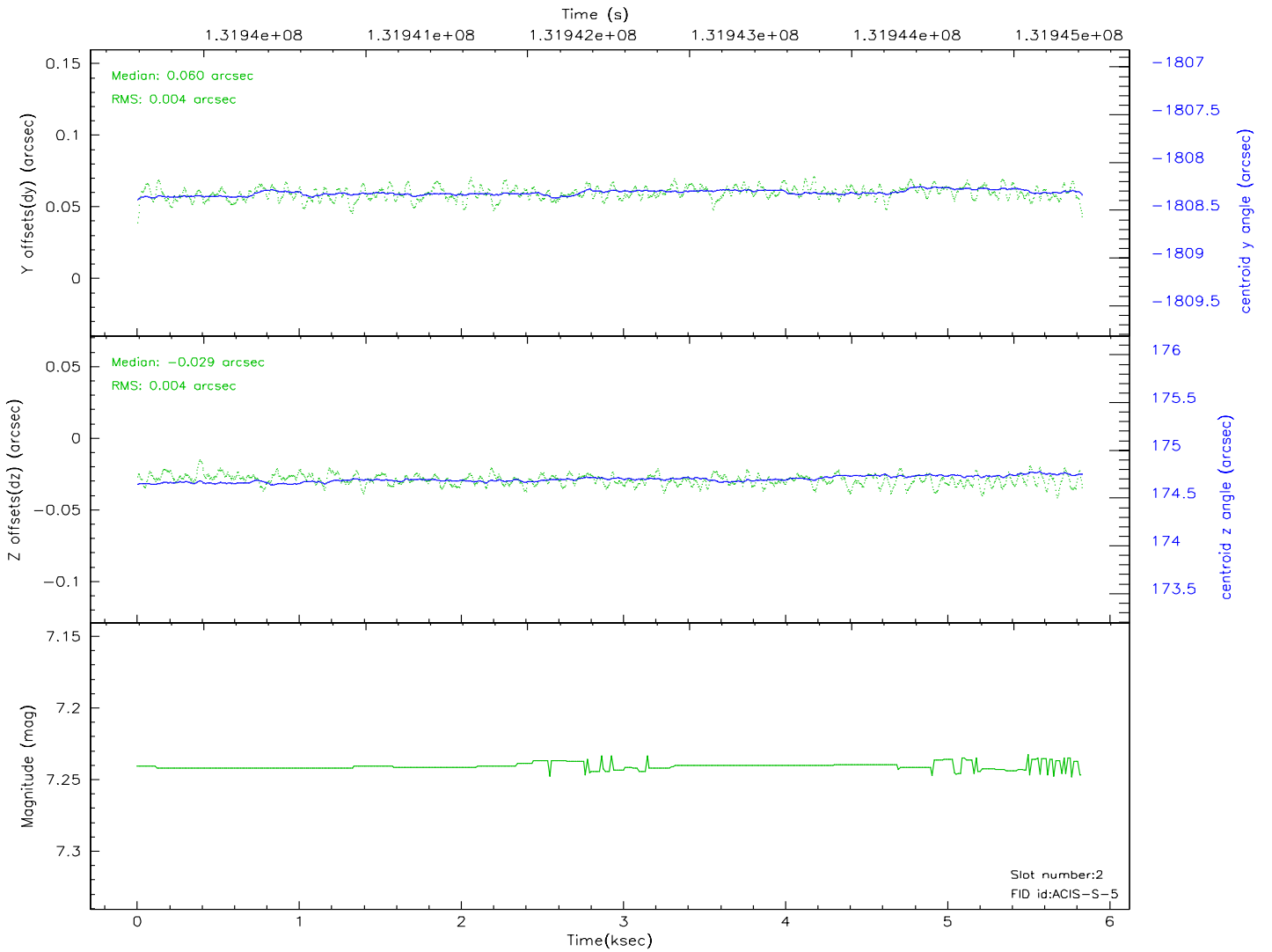
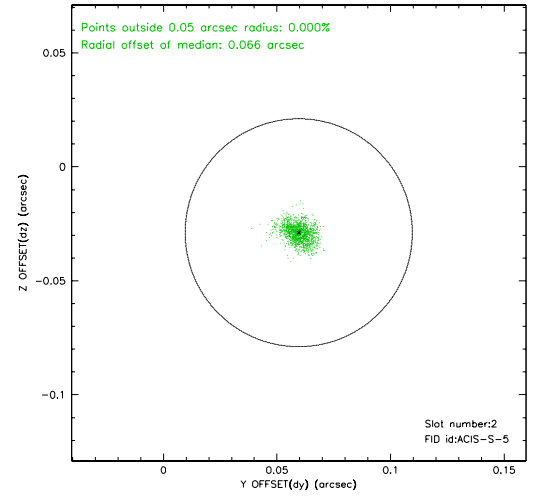
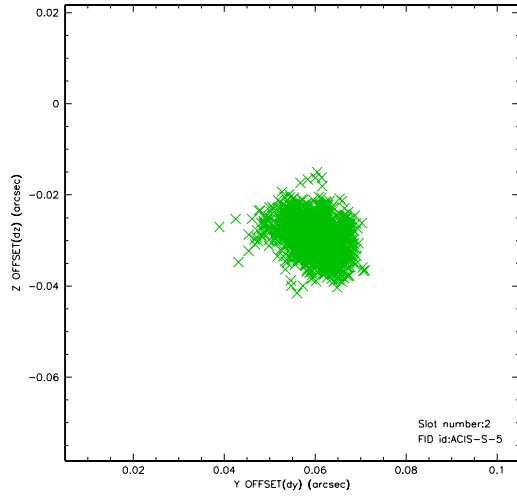
### 2.5.1 Slot 0



## 2.5.2 Slot 1

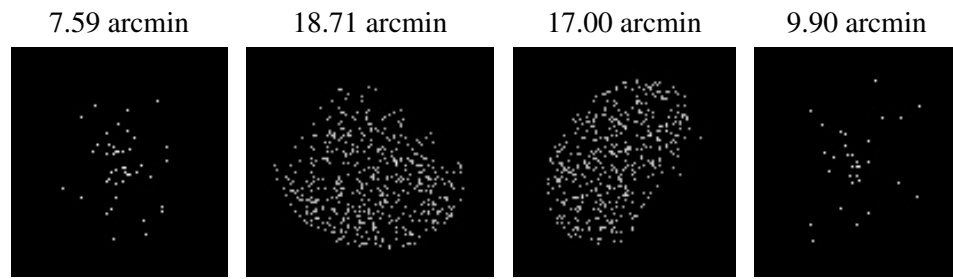


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.09.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.96

### A.2 Comments