

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 3359 - L2 Version 001  
Chandra X-Ray Center

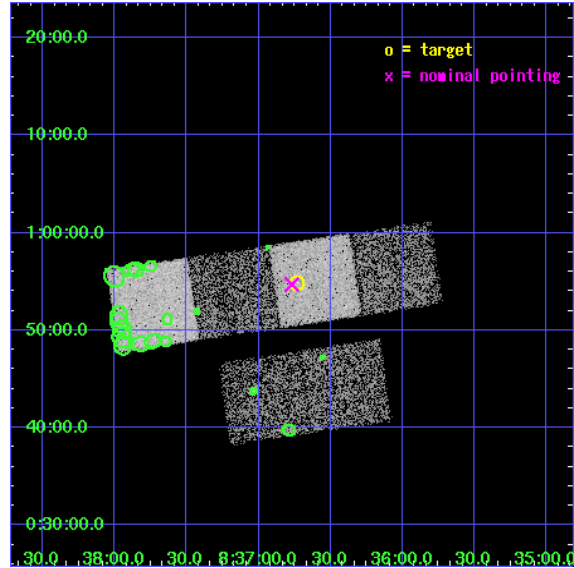
L2 Processing Date : Aug 29 2006

## 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

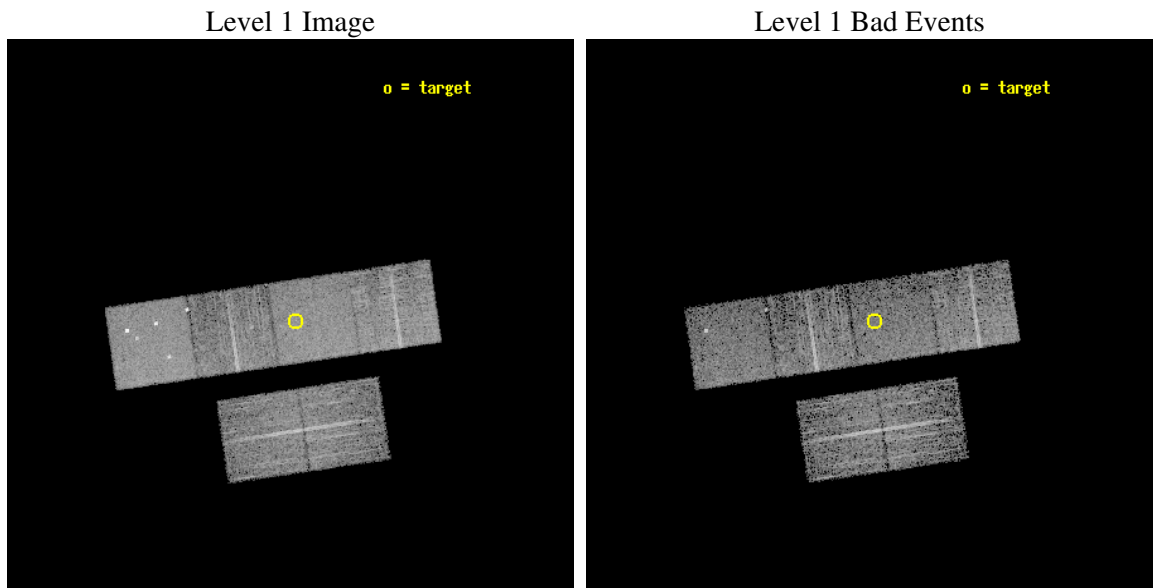
seq_num	700607
obs_id	3359
title	CHANDRA OBSERVATIONS OF THE THREE HIGHEST REDSHIFT QUASARS FROM THE SDSS
observer	Prof. William Brandt
object	SDSSP J083643+005453
dtcycle	0
cycle	P
ra_targ	129.182917
dec_targ	0.914806
ra_nom	129.19219013062
dec_nom	0.91170837974543
roll_nom	351.58273321731
revision	2
ontime	5756.8000053614
livetime	5683.9039373647
ontime2	5756.8000053614
ontime3	5756.8000053614
ontime5	5756.8000053614
ontime6	5756.8000053614
ontime7	5756.8000053614
ontime8	5753.5590550303
l2events	53373



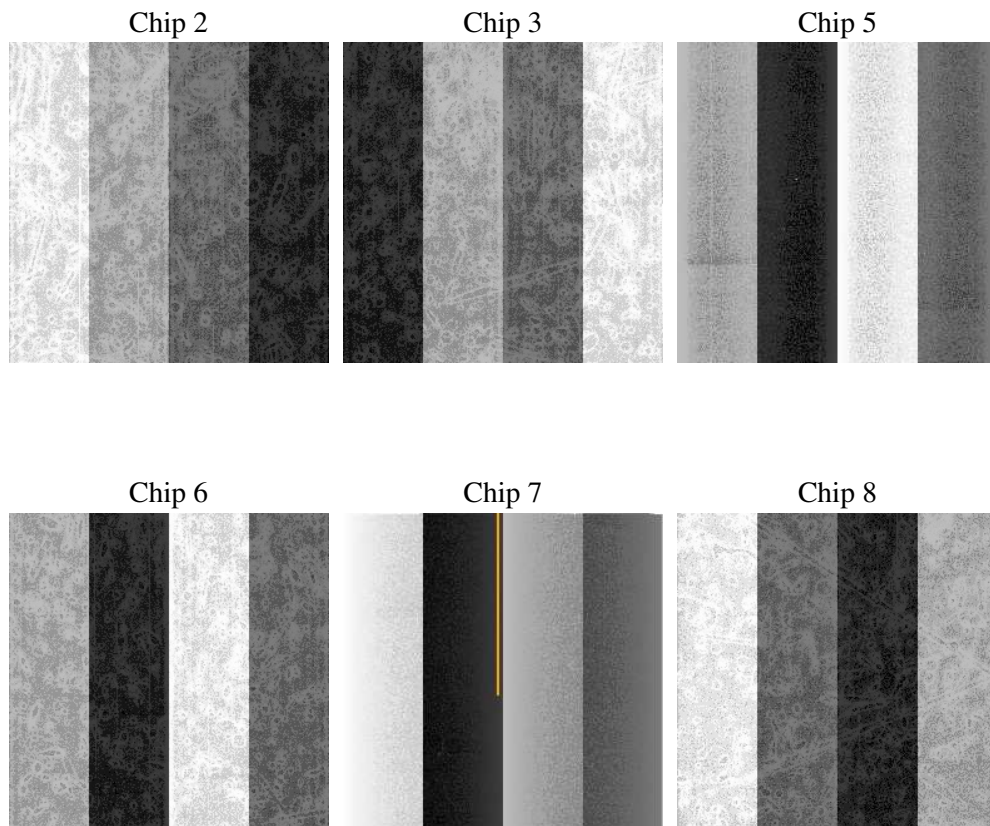
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-08-29T16:38:18
revision	2

sched_exp_time	6000.000000
ontime	5762.5086818933
ontime2	5762.5086619854
ontime3	5762.5086619854
ontime5	5762.5086818933
ontime6	5762.5086619854
ontime7	5762.5086818933
ontime8	5759.2676219791
l1events	257303

### 2.1.4 Events

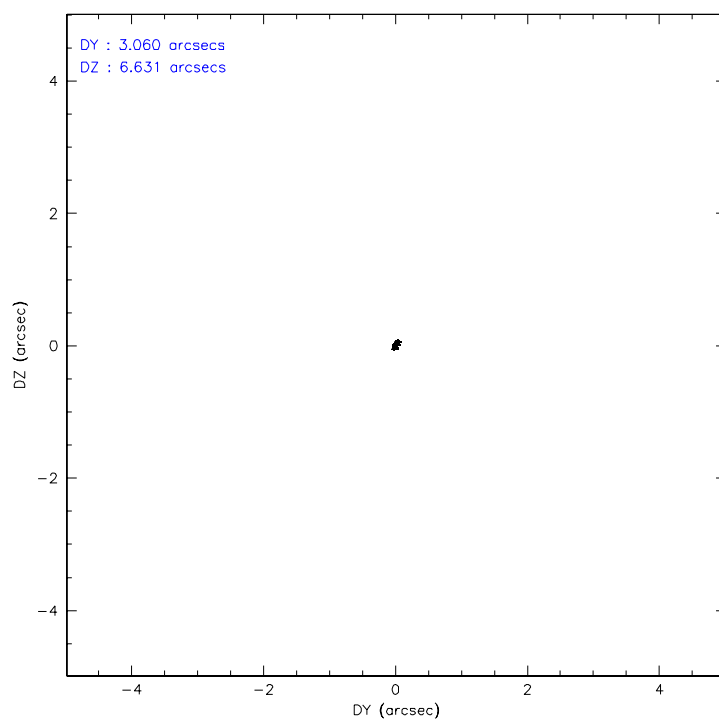
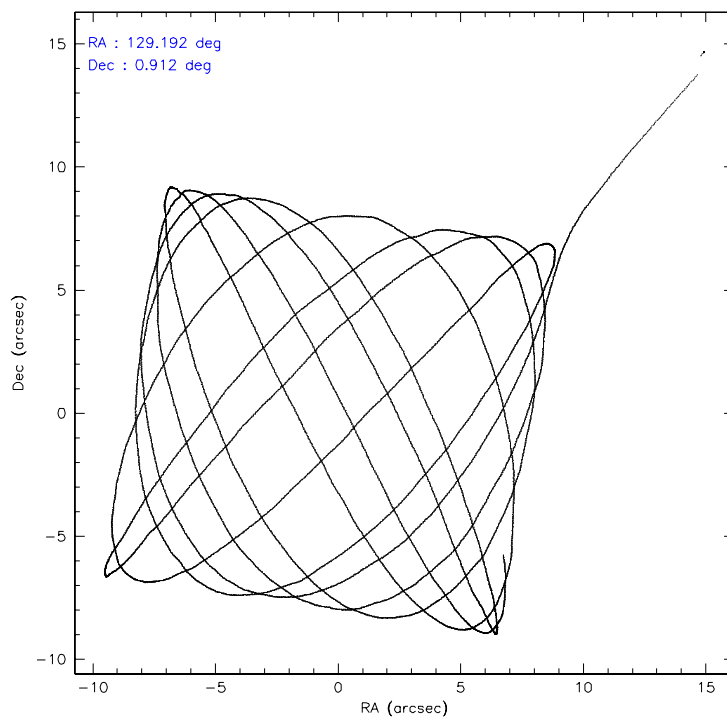
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	36311	35944	53444	36887	46421	48296
rejected events	32164	31773	28980	32473	28473	38411
rejected %	88%	88%	54%	88%	61%	79%

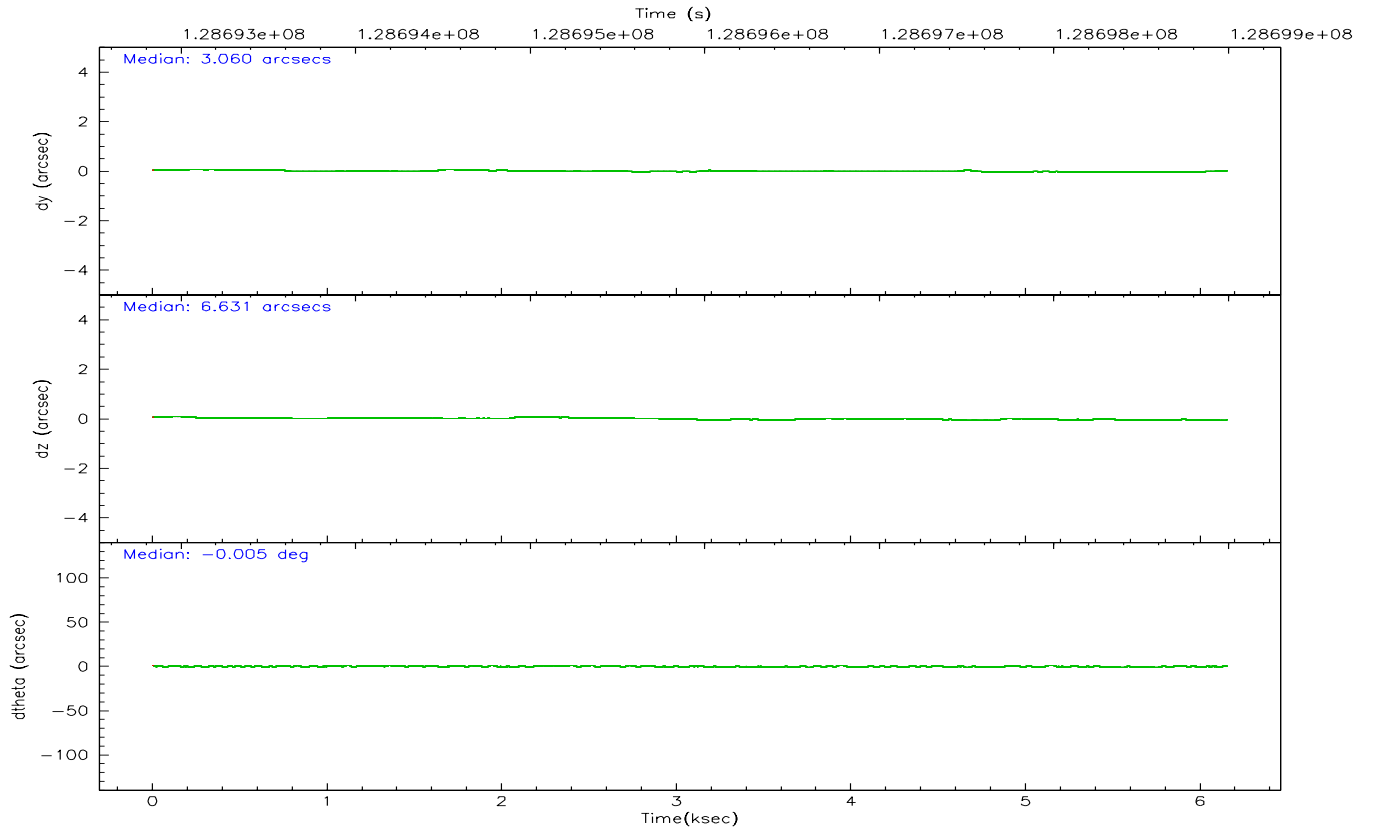
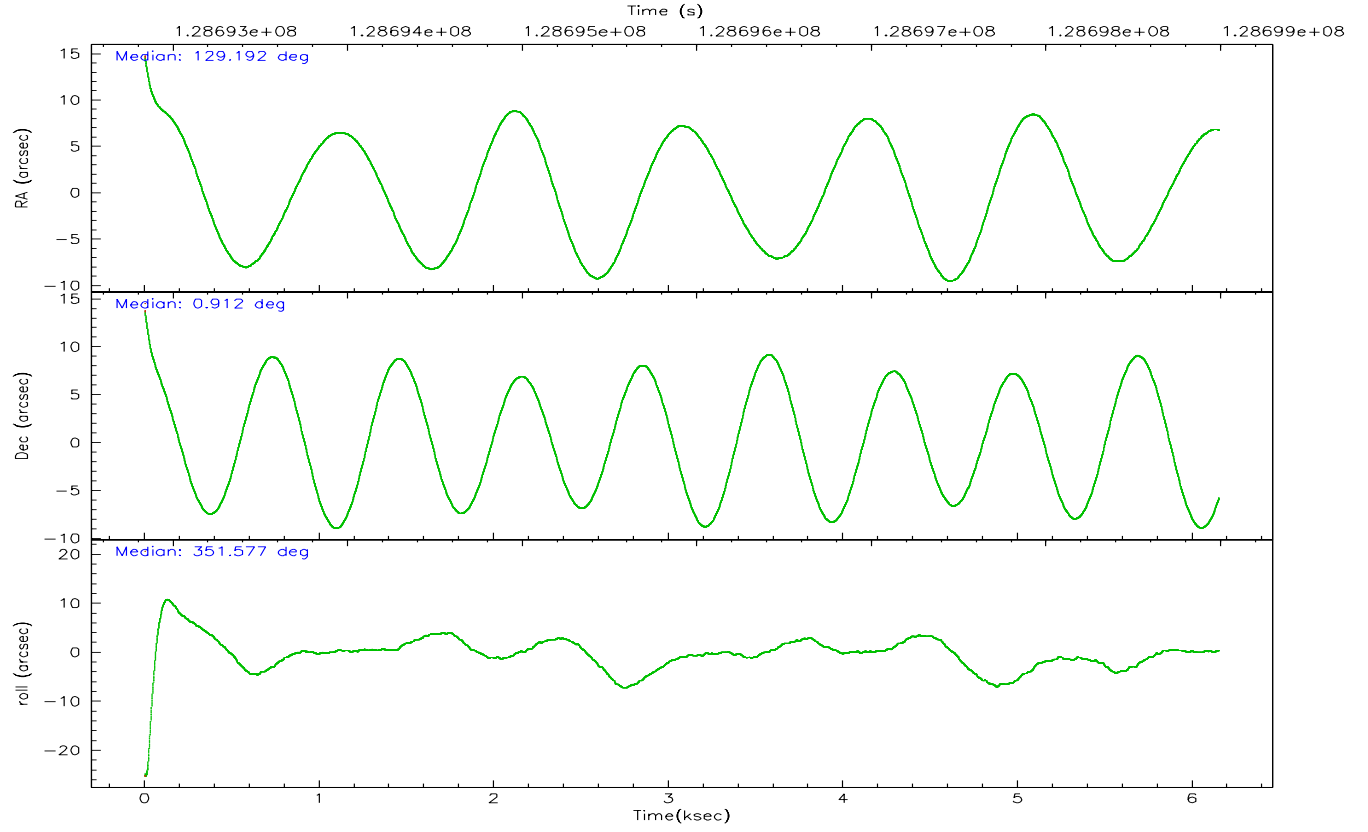
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1714	1776	3134	1886	1079	3076
	4%	4%	5%	5%	2%	6%
grade 1 events	18	9	135	18	31	46
	0%	0%	0%	0%	0%	0%
grade 2 events	922	878	7381	862	4396	2152
	2%	2%	13%	2%	9%	4%
grade 3 events	398	398	549	436	997	1179
	1%	1%	1%	1%	2%	2%
grade 4 events	375	382	551	392	930	1054
	1%	1%	1%	1%	2%	2%
grade 5 events	1236	1363	2546	1526	3119	1885
	3%	3%	4%	4%	6%	3%
grade 6 events	742	743	12887	846	10569	2425
	2%	2%	24%	2%	22%	5%
grade 7 events	30906	30395	26261	30921	25300	36479
	85%	84%	49%	83%	54%	75%

## 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	129.166897	129.1921901306246	Alternating exposures requested	N	N
Pointing Dec	0.901376	0.9117083797454256	Primary exposure time	0.000000	3.2
Pointing Roll	351.426581	351.5827332173097			
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	128692996.184000	128691900.33588			
Observation start date	2002-01-29T12:02:12	2002-01-29T11:45:00			
Observation end time	128698996.184000	128700197.19871			
Observation end date	2002-01-29T13:42:12	2002-01-29T14:03:17			
Read mode	TIMED	TIMED			

## 2.3 Aspect





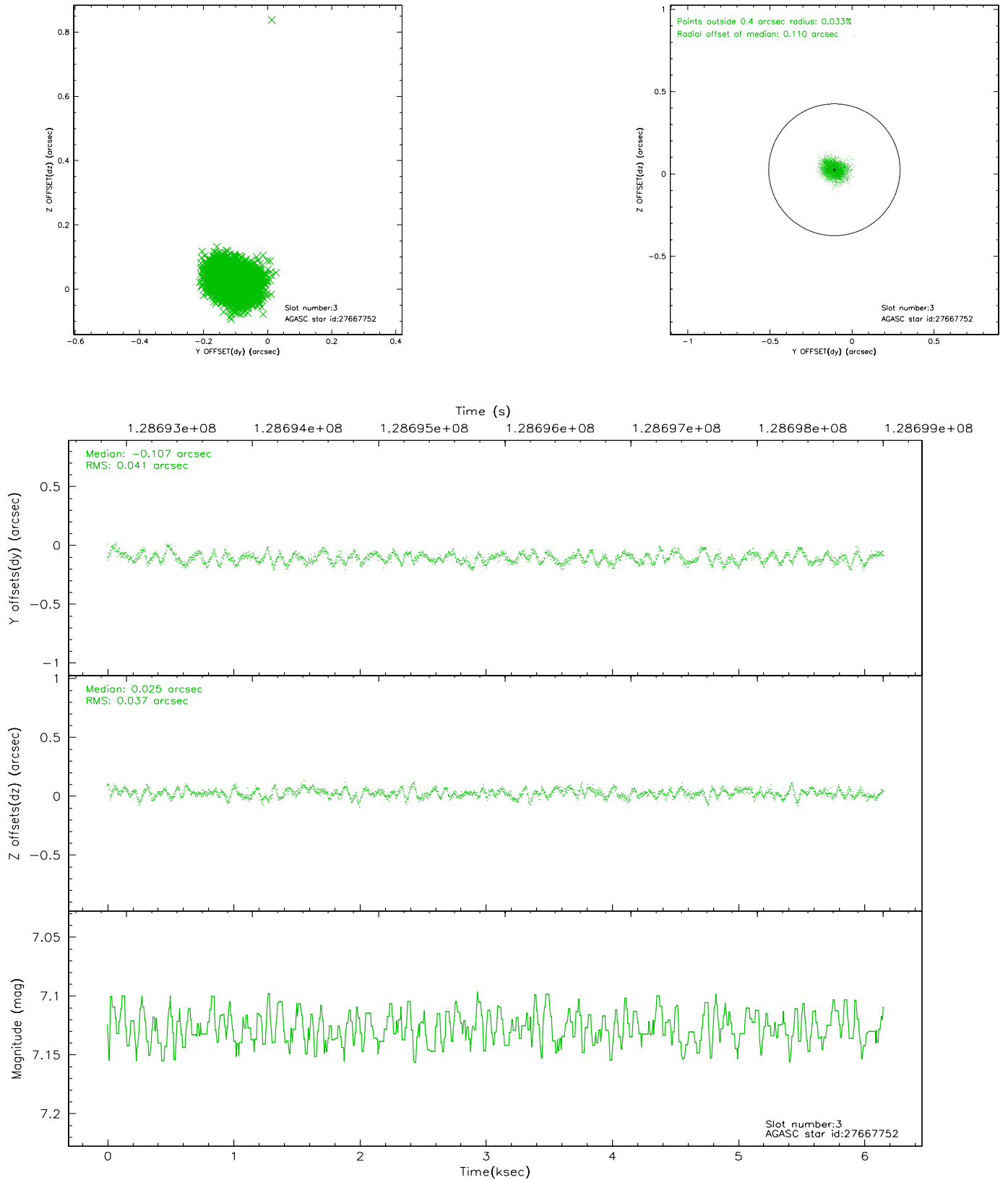
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1501	-0.011	0.032	0.006	0.011	0.000000	0.000000	-755.70	-1727.77
1	FID	ACIS-S-4	7.20	1501	-0.064	-0.003	0.005	0.008	0.000000	0.000000	2157.07	179.72
2	FID	ACIS-S-5	7.24	1501	0.044	-0.020	0.006	0.010	0.000000	0.000000	-1807.27	174.43
3	GUIDE	27667752	7.13	3002	-0.107	0.025	0.056	0.090	129.585105	0.691048	1601.82	-523.39
4	GUIDE	27534288	8.03	3002	0.060	-0.100	0.059	0.097	128.688003	1.487093	-2017.92	1828.46
5	GUIDE	27531712	8.71	3001	0.083	0.051	0.062	0.099	128.579597	0.839415	-2057.35	-534.49
6	GUIDE	27661672	8.70	3002	-0.035	-0.010	0.056	0.094	129.855960	1.161459	2312.32	1296.51
7	GUIDE	27538560	9.25	2999	0.003	0.035	0.097	0.154	128.695702	0.277665	-1341.30	-2472.15

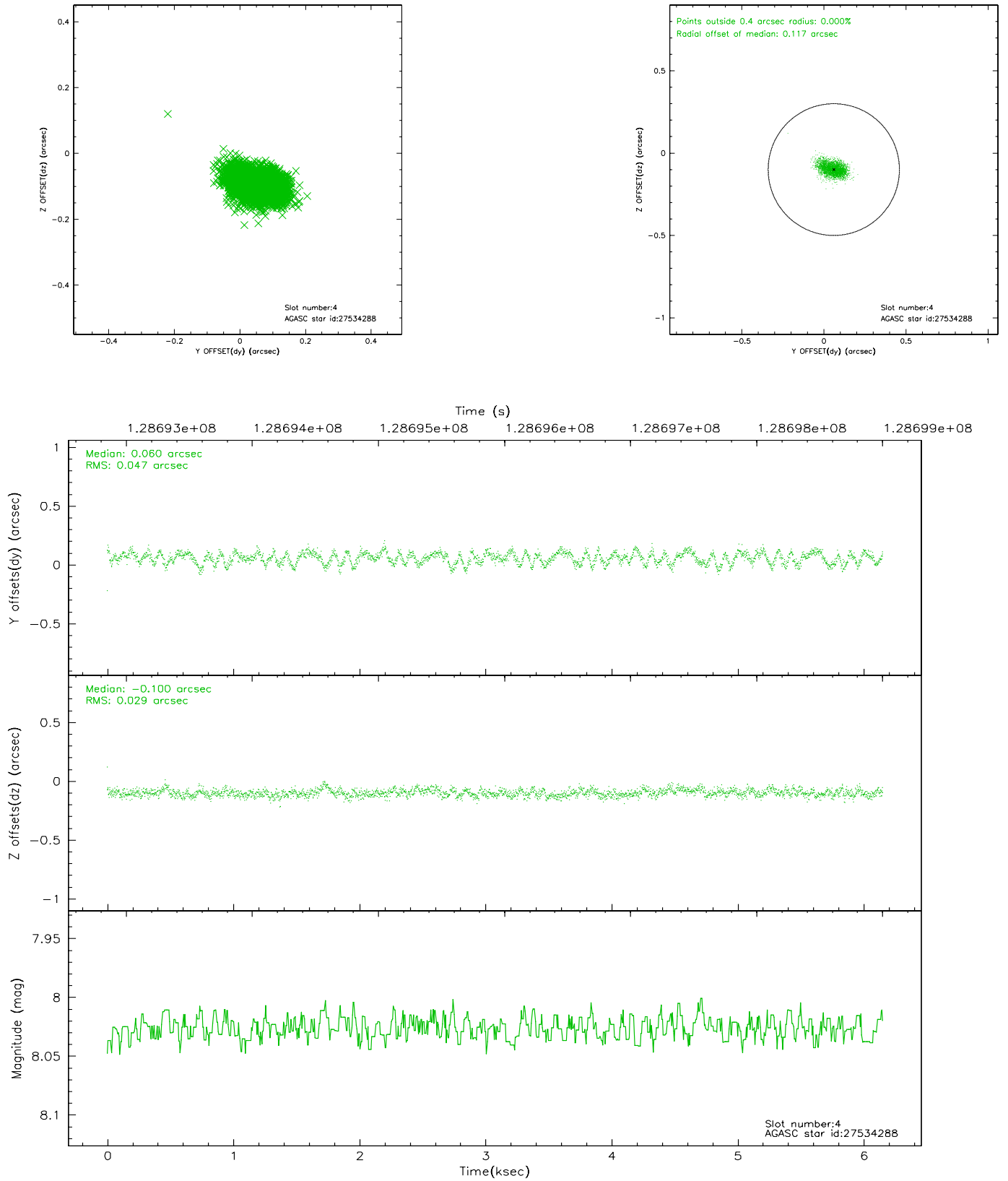


## 2.4 Star Slots

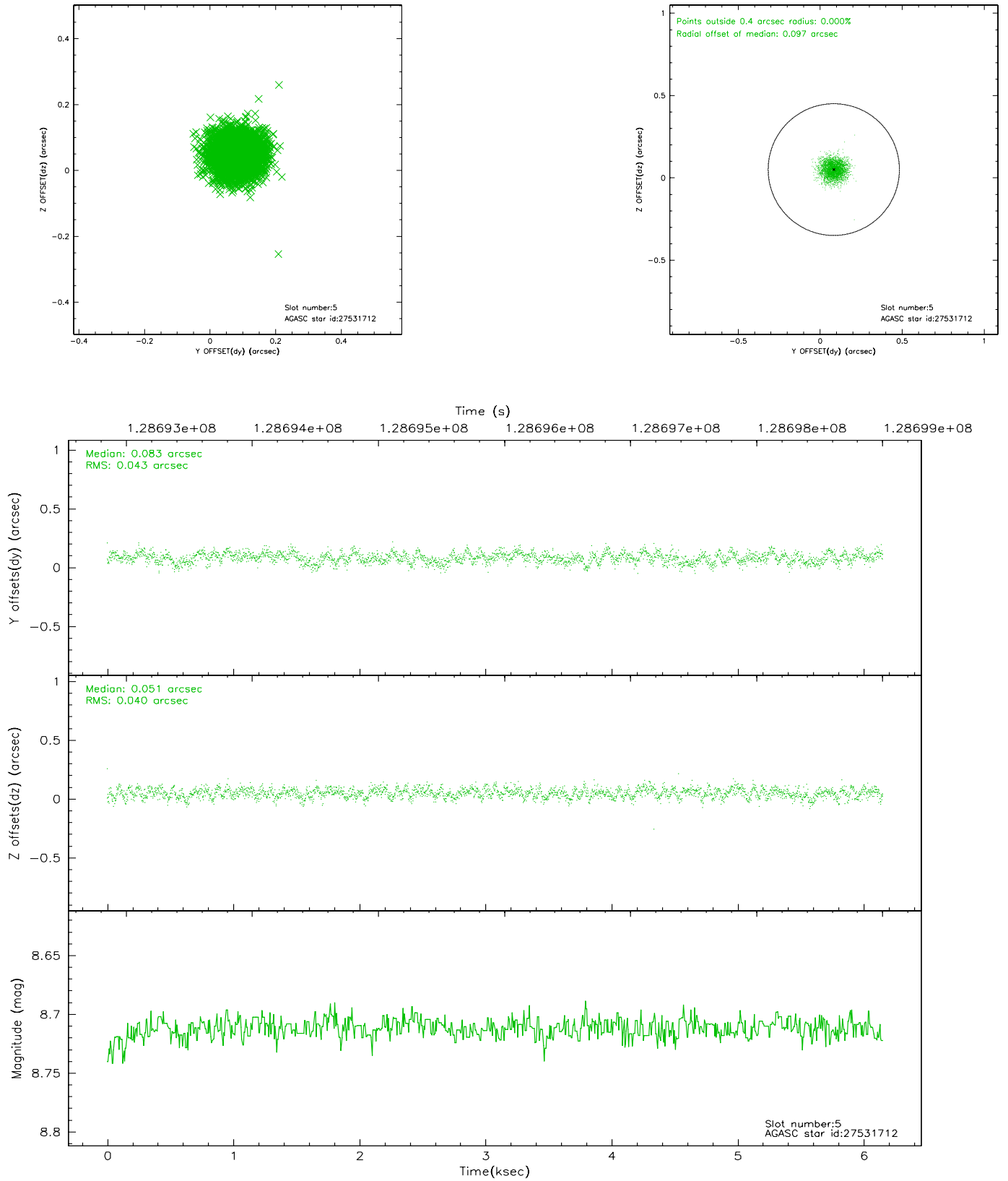
### 2.4.1 Slot 3



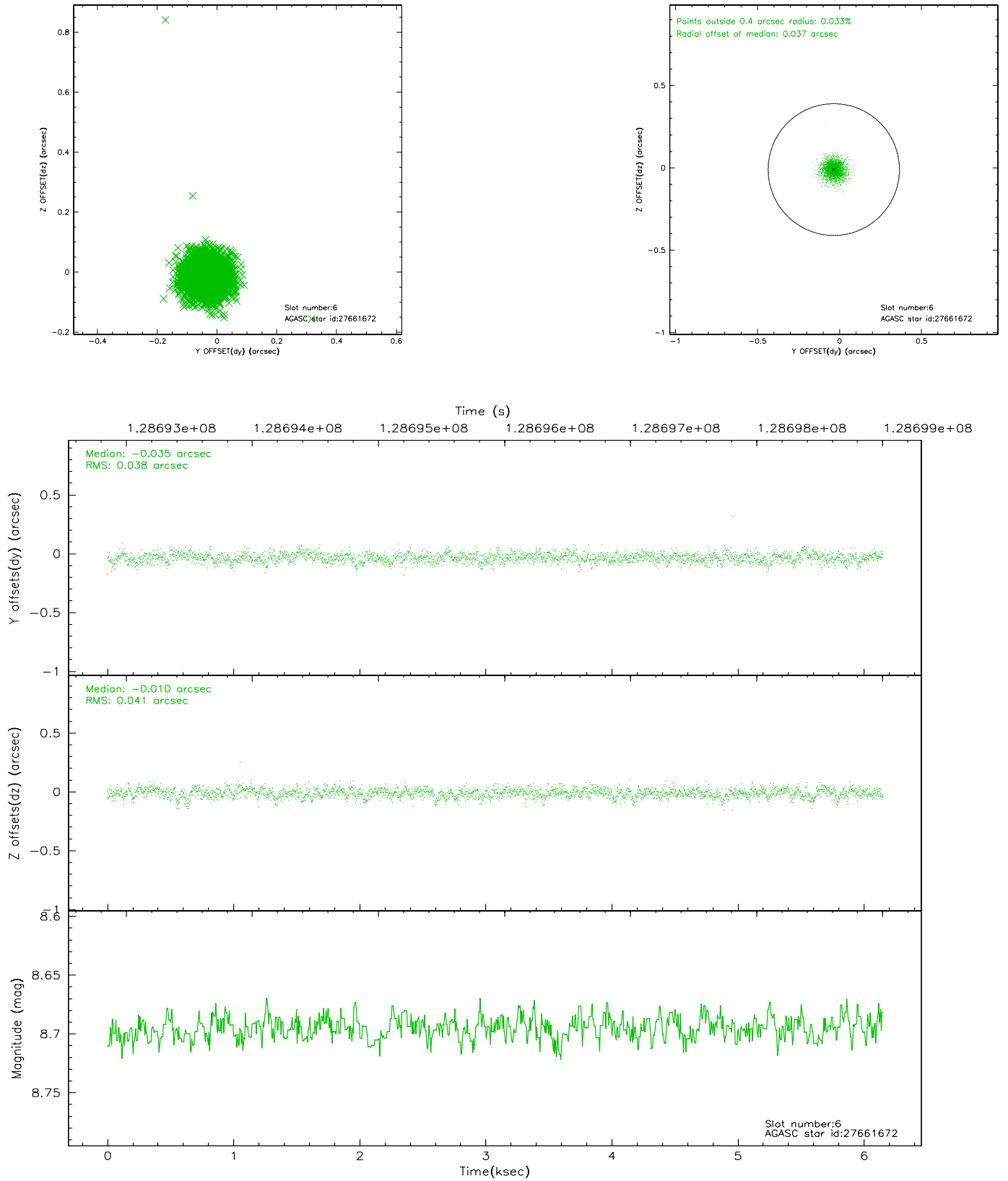
## 2.4.2 Slot 4



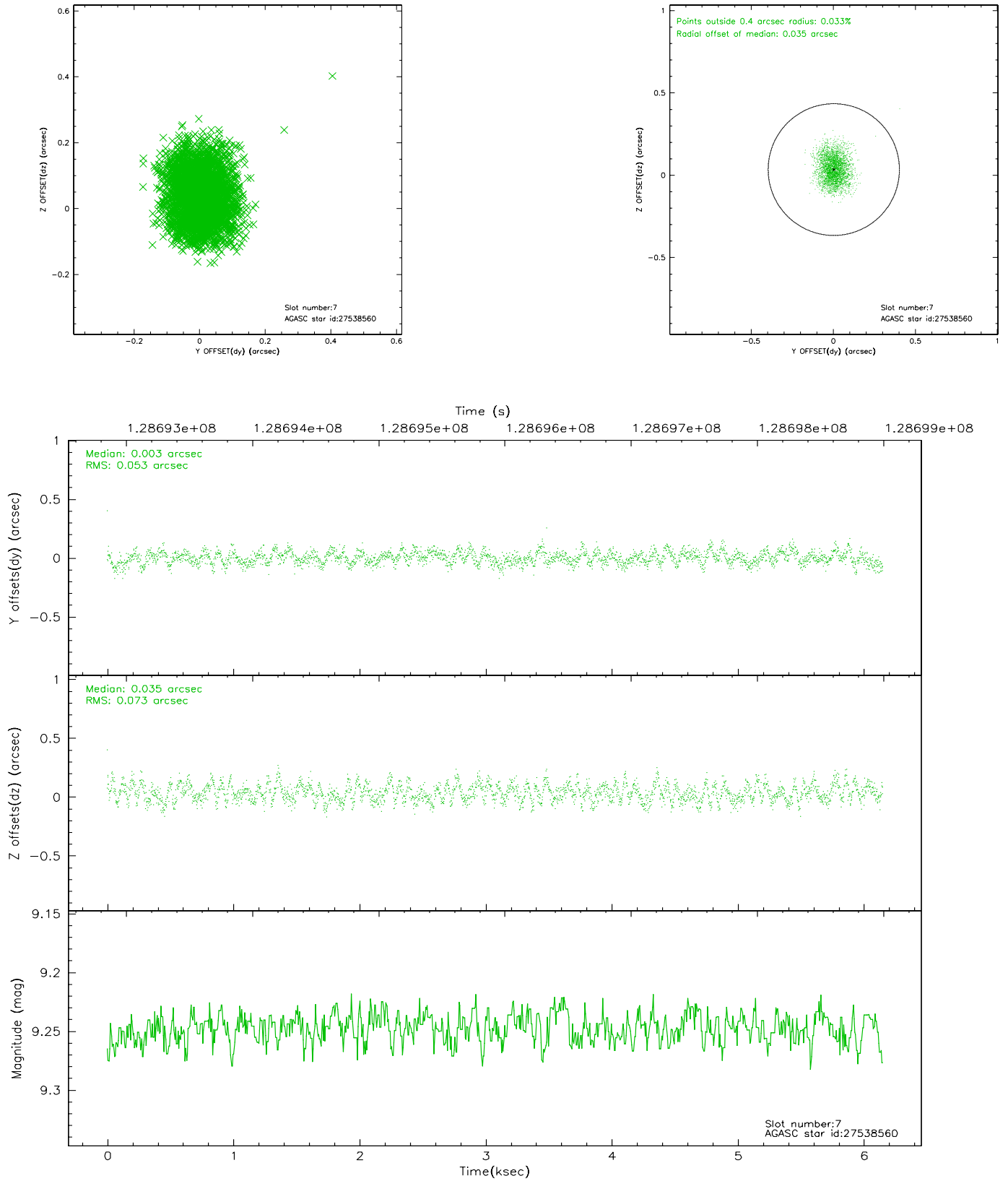
### 2.4.3 Slot 5



## 2.4.4 Slot 6

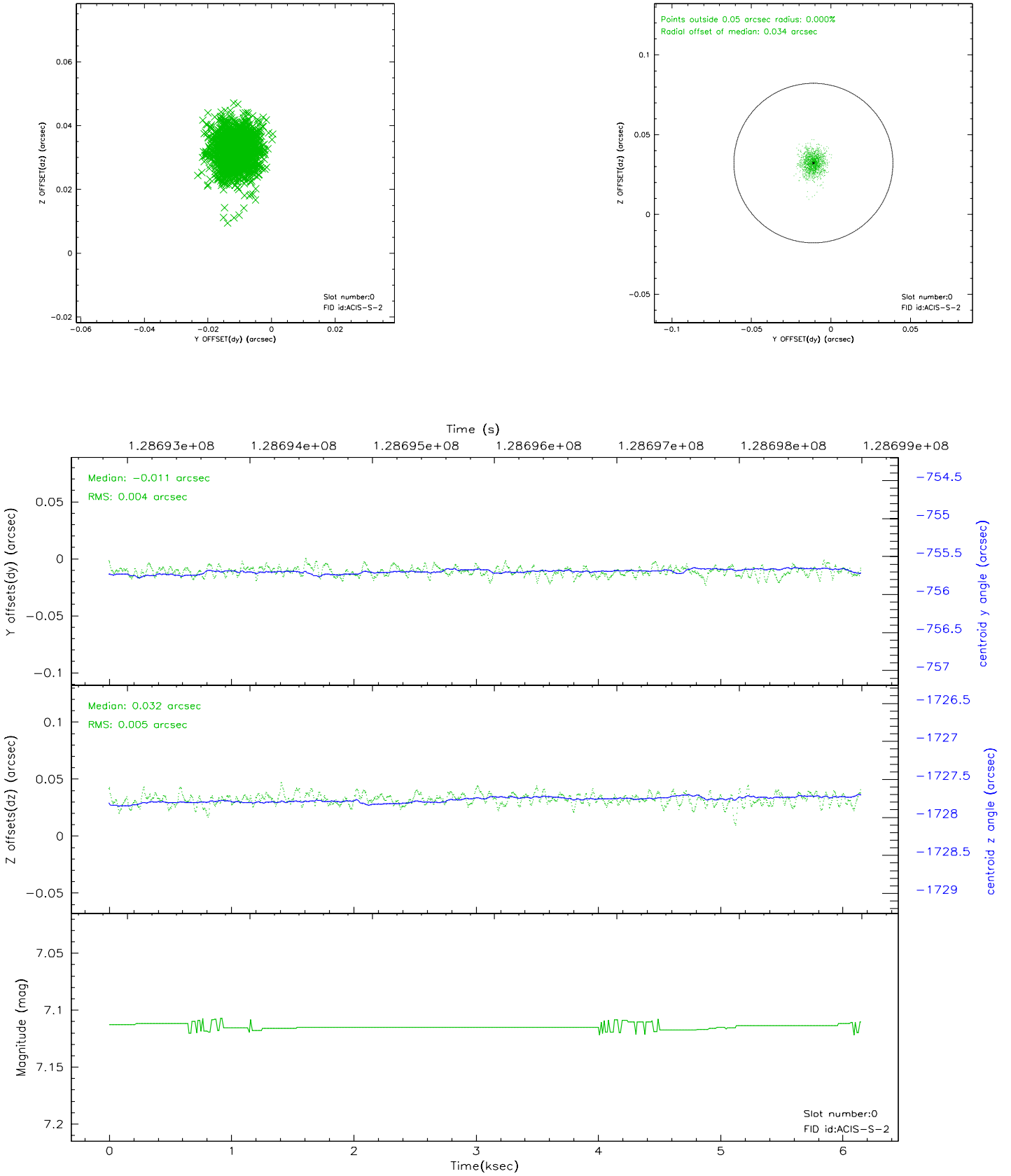


## 2.4.5 Slot 7

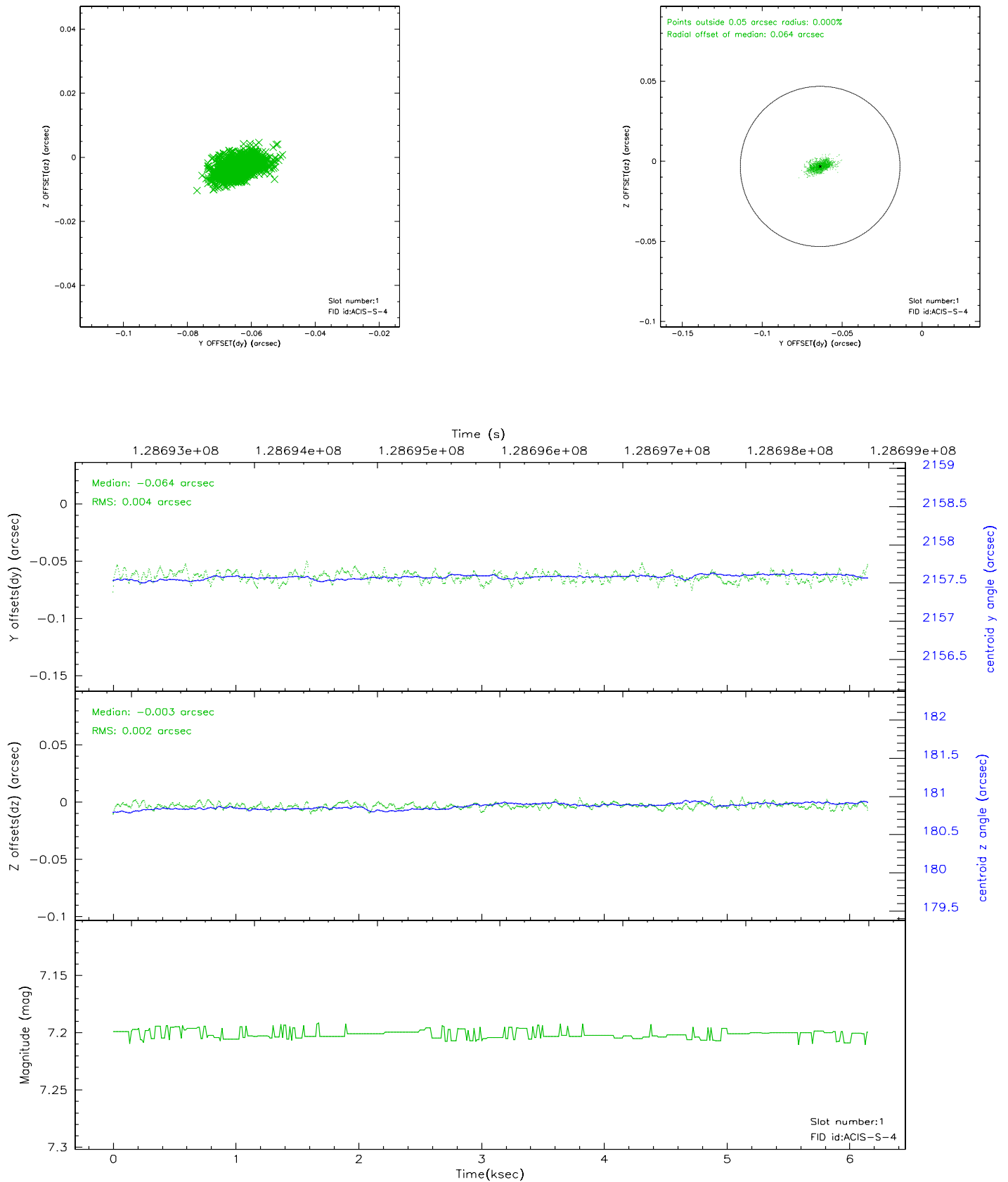


## 2.5 FID Slots

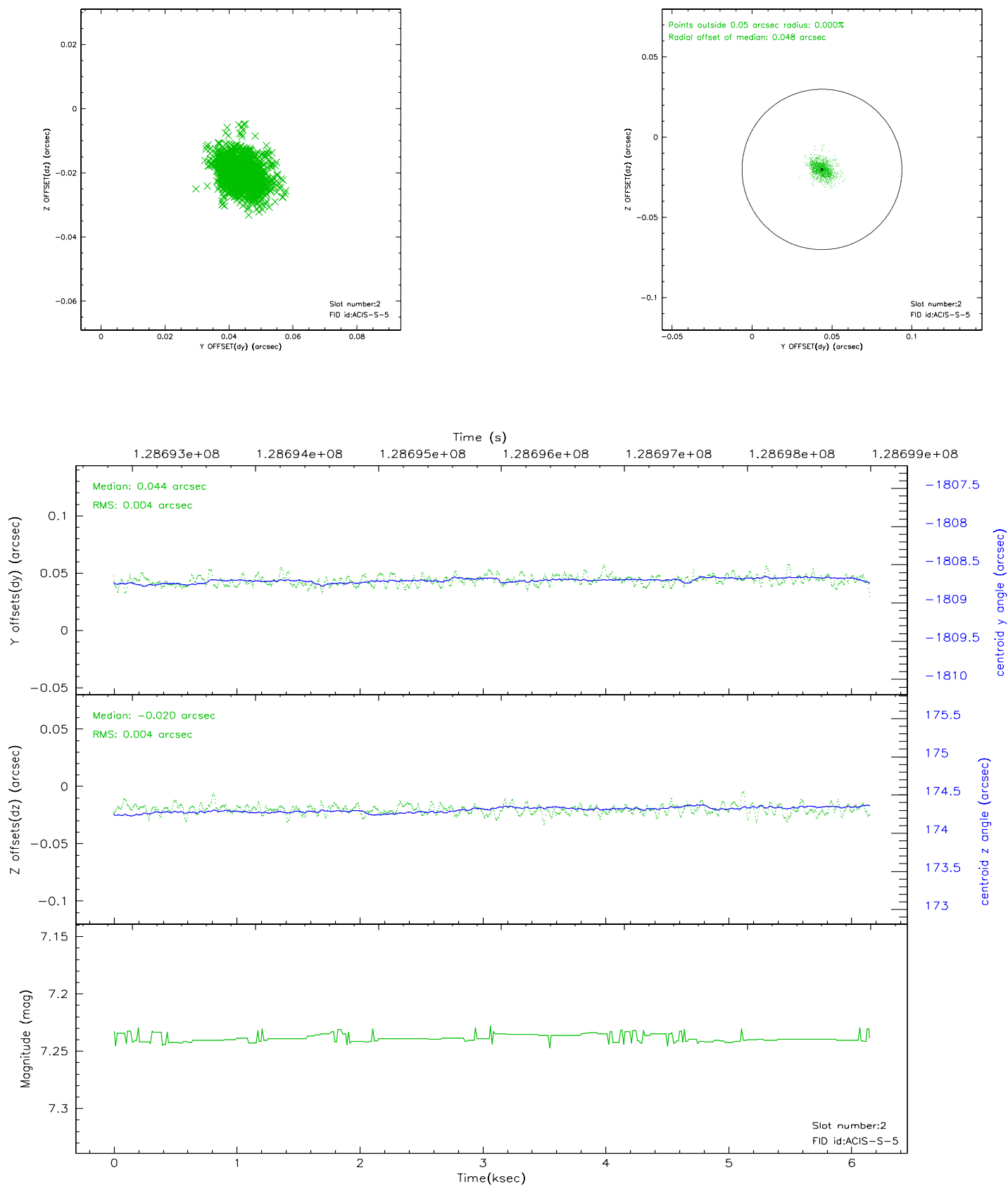
### 2.5.1 Slot 0



## 2.5.2 Slot 1

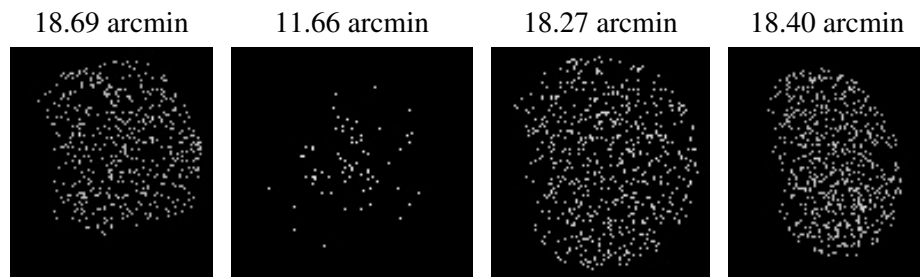


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.08.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.76

### A.2 Comments