

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3074 - L2 Version 001  
Chandra X-Ray Center

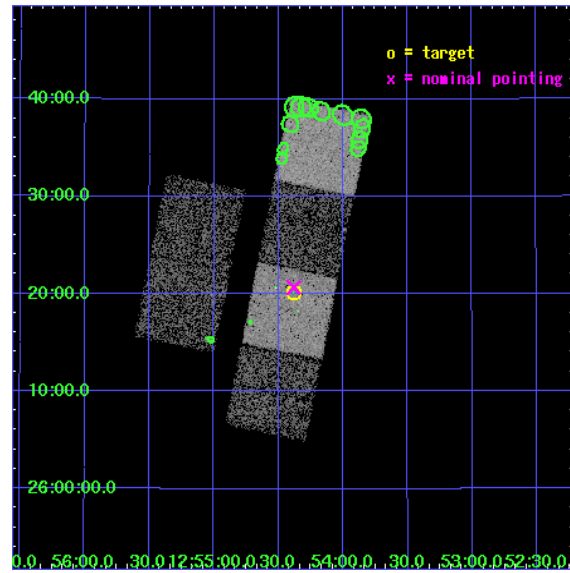
L2 Processing Date : Jul 27 2006

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# 1 Front

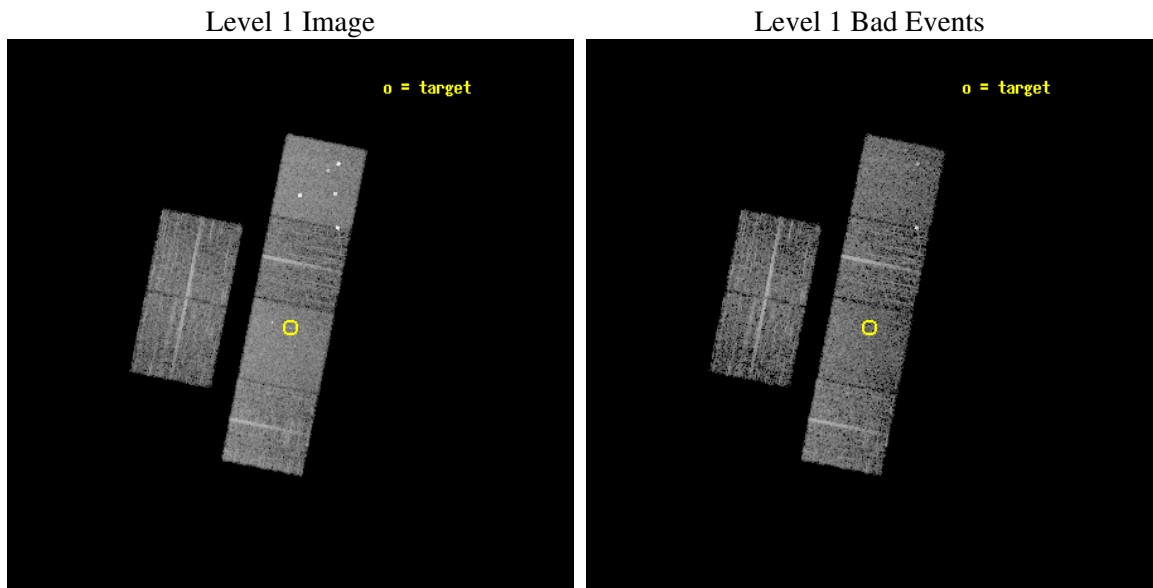
seq_num	700513
obs_id	3074
title	X-RAY WEAK BROAD-LINE QUASARS: ABSORPTION OR INTRINSIC X_RAY WEAKNESS ?
observer	Dr Guido Risaliti
object	HS 1251+2636
dtcycle	0
cycle	P
ra_targ	193.595417
dec_targ	26.334972
ra_nom	193.59520960878
dec_nom	26.344583051164
roll_nom	101.39229352137
revision	2
ontime	5756.7999785542
livetime	5683.903910897
ontime2	5756.7999785542
ontime3	5756.7999785542
ontime5	5756.7999785542
ontime6	5756.7999785542
ontime7	5756.7999785542
ontime8	5753.5589982867
l2events	54220



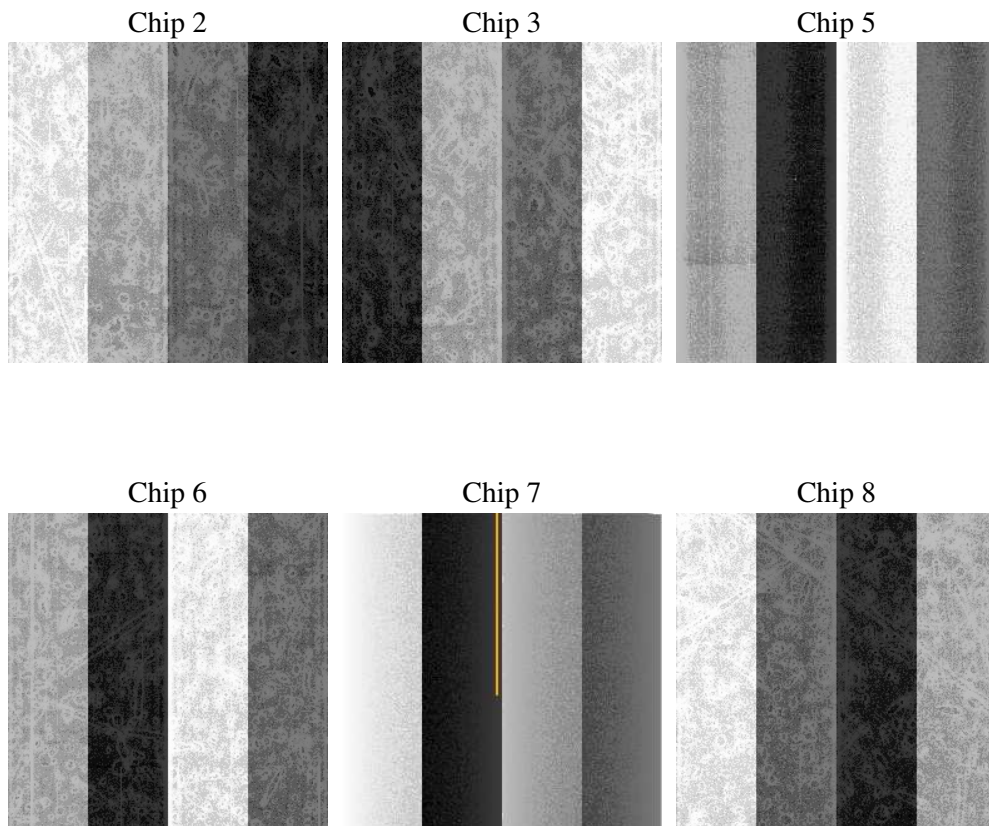
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-27T15:24:08
revision	2

sched_exp_time	6000.000000
ontime	5762.5147420168
ontime2	5762.5147420168
ontime3	5762.5147619247
ontime5	5762.5147420168
ontime6	5762.5147420168
ontime7	5762.5147420168
ontime8	5759.2736820877
l1events	258081

### 2.1.4 Events

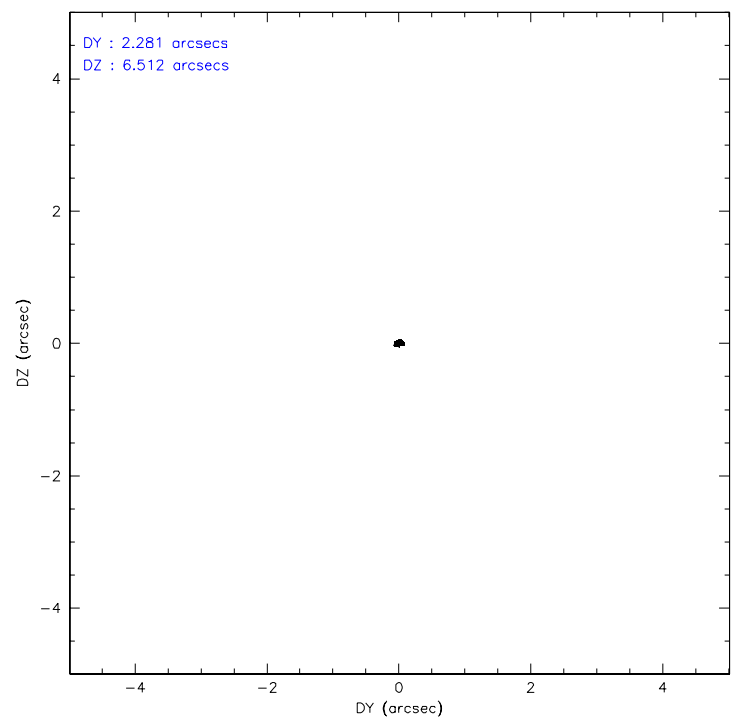
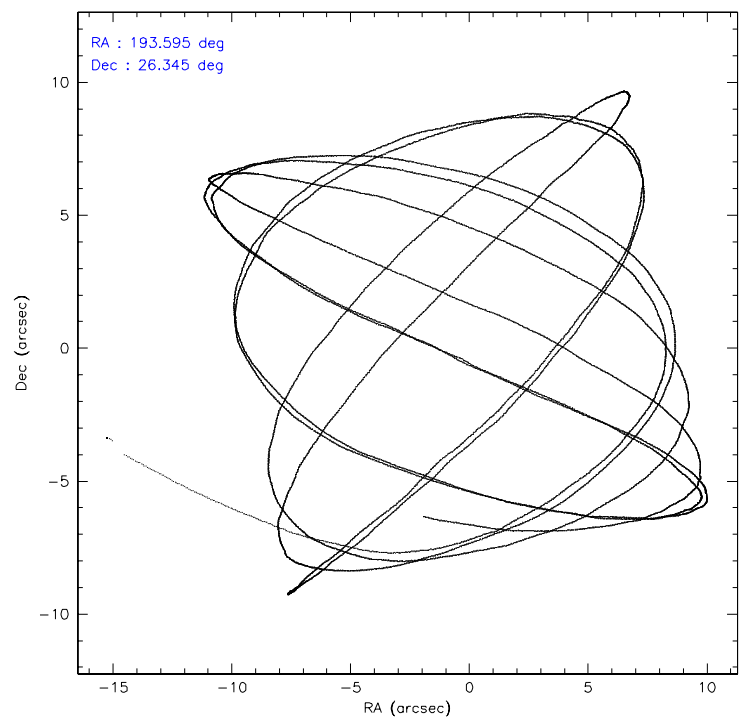
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	36906	34157	57047	35867	47809	46295
rejected events	32856	30054	29908	31683	29259	37307
rejected %	89%	87%	52%	88%	61%	80%

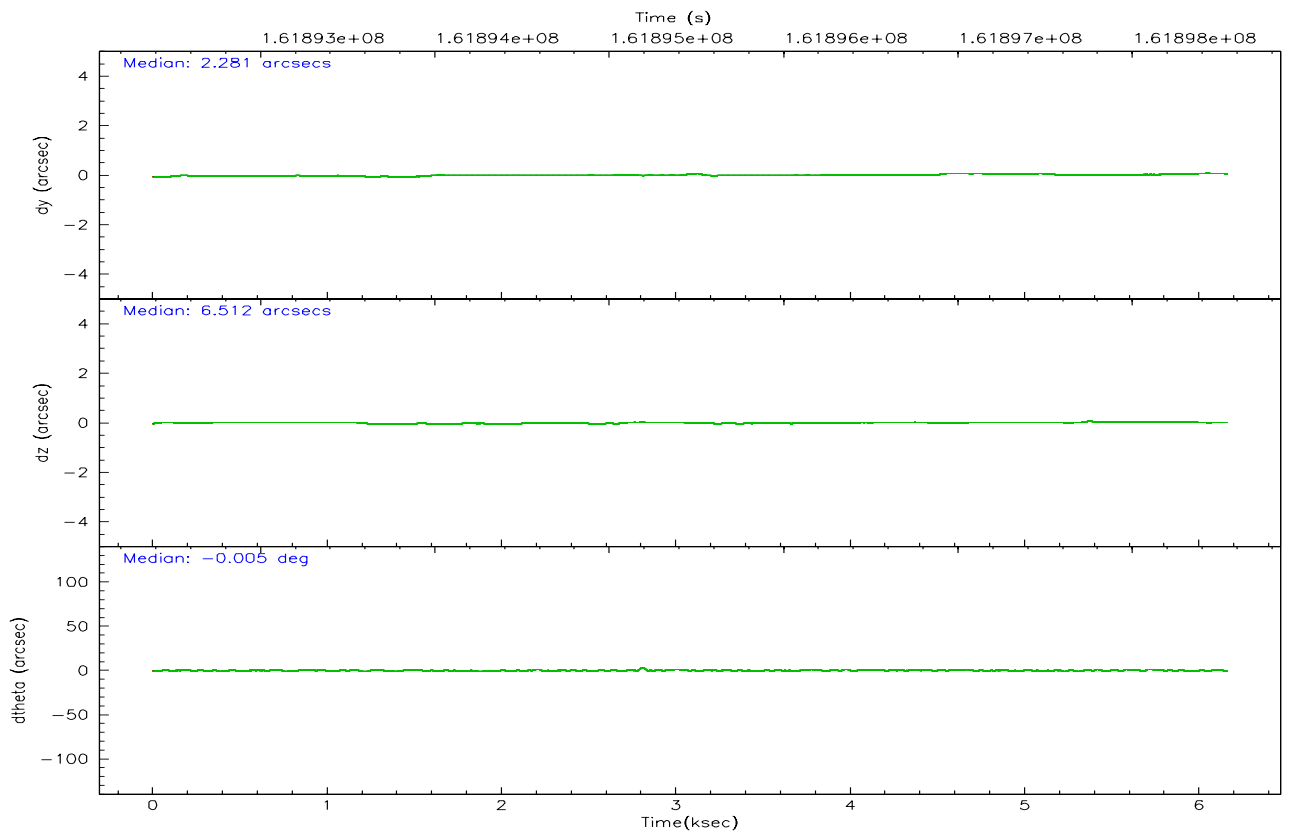
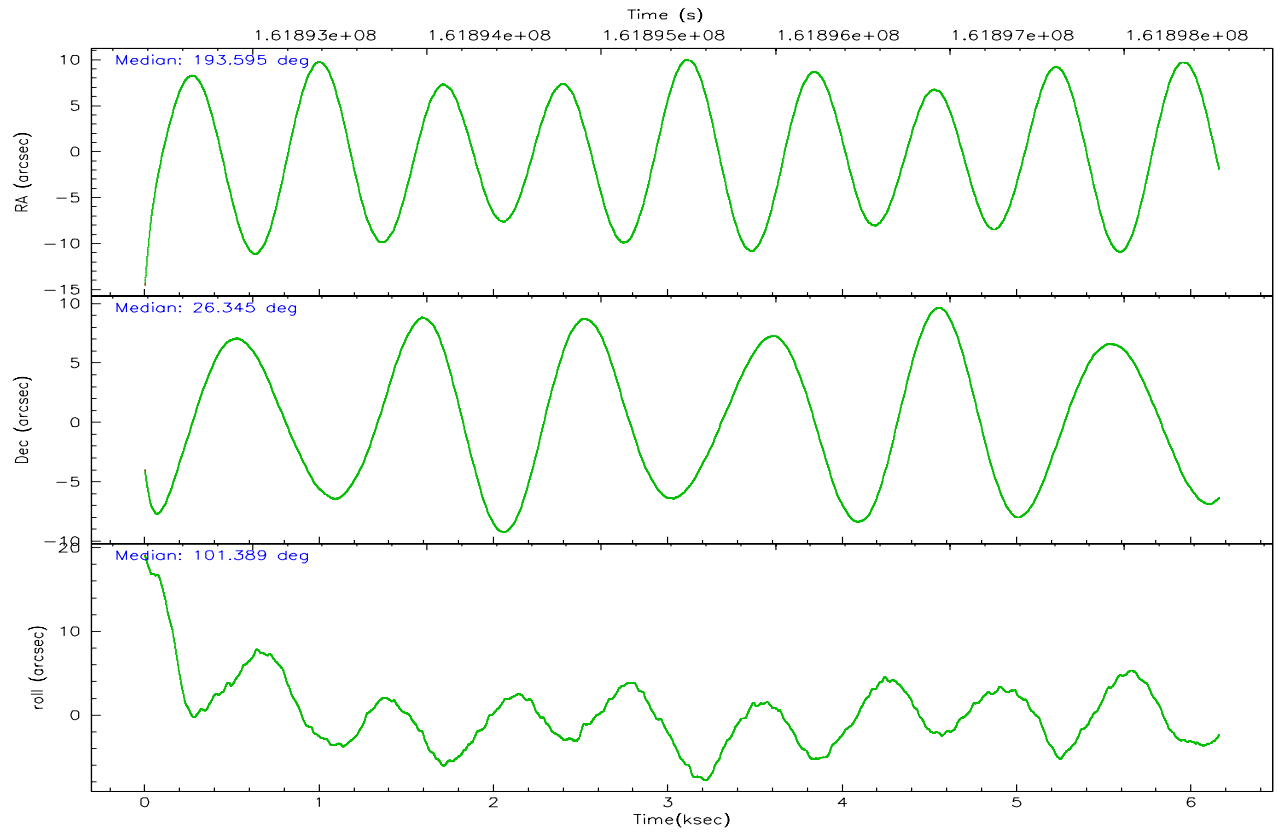
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1740	1884	5422	1642	1255	2921
	4%	5%	9%	4%	2%	6%
grade 1 events	26	20	639	13	27	33
	0%	0%	1%	0%	0%	0%
grade 2 events	810	745	7348	868	4506	1916
	2%	2%	12%	2%	9%	4%
grade 3 events	416	382	645	423	1026	939
	1%	1%	1%	1%	2%	2%
grade 4 events	397	381	461	430	991	844
	1%	1%	0%	1%	2%	1%
grade 5 events	1335	1505	2866	1618	3155	1996
	3%	4%	5%	4%	6%	4%
grade 6 events	689	717	13287	827	10798	2373
	1%	2%	23%	2%	22%	5%
grade 7 events	31493	28523	26379	30046	26051	35273
	85%	83%	46%	83%	54%	76%

## 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	193.615566	193.5952096087838	Alternating exposures requested	N	N
Pointing Dec	26.324457	26.34458305116398	Primary exposure time	0.000000	3.2
Pointing Roll	101.226628	101.3922935213709			
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	161892547.184000	161891514.86515			
Observation start date	2003-02-17T18:08:03	2003-02-17T17:51:54			
Observation end time	161898547.184000	161899488.34049			
Observation end date	2003-02-17T19:48:03	2003-02-17T20:04:48			
Read mode	TIMED	TIMED			

2.3 Aspect





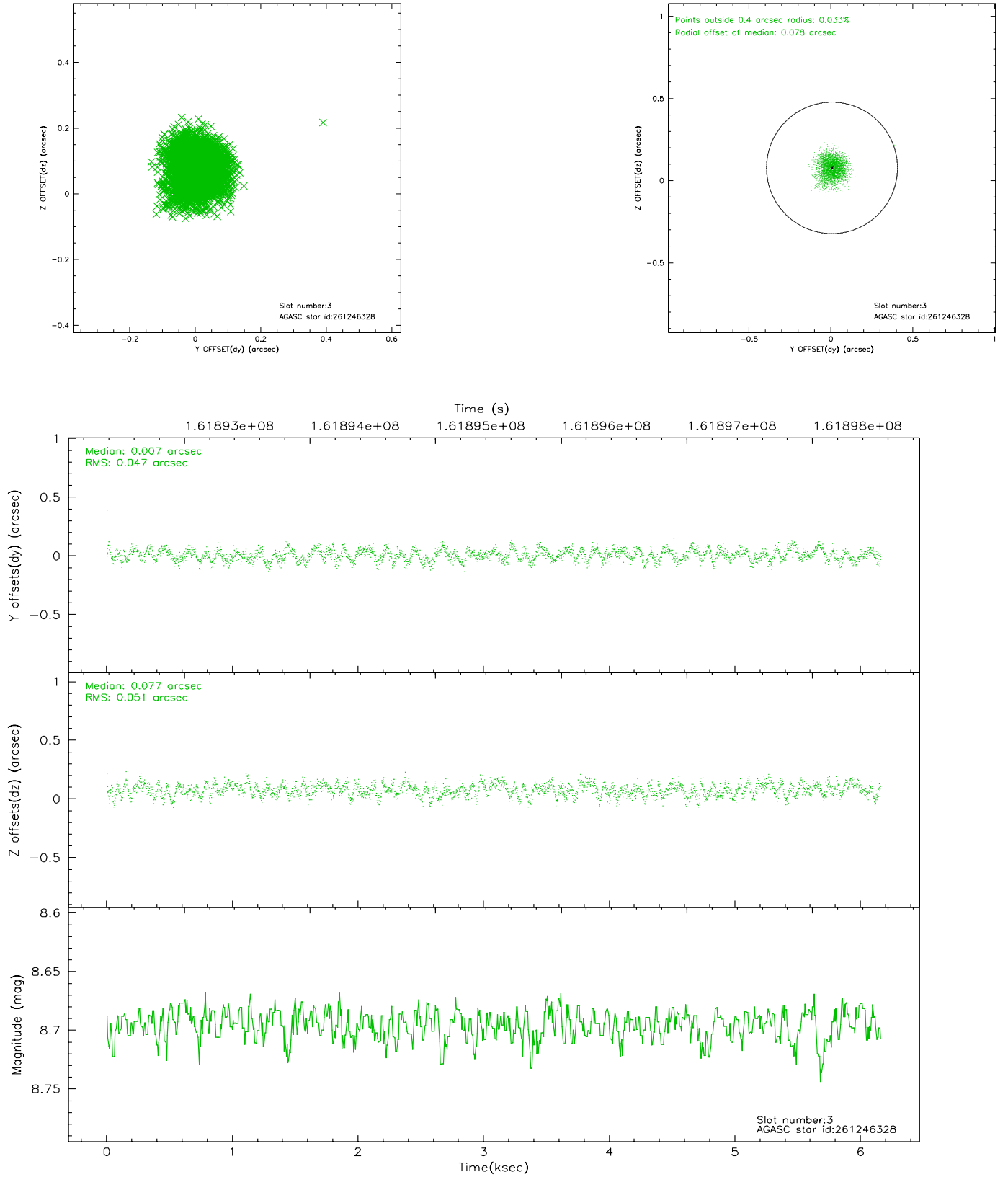
### Slot Statistics

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	1503	-0.032	0.026	0.007	0.011	0.000000	0.000000	-754.91	-1727.65
1	FID	ACIS-S-4	7.20	1503	-0.047	0.009	0.005	0.009	0.000000	0.000000	2157.89	179.88
2	FID	ACIS-S-5	7.24	1503	0.048	-0.025	0.006	0.010	0.000000	0.000000	-1806.47	174.54
3	GUIDE	261246328	8.70	3006	0.007	0.077	0.074	0.118	194.437444	25.936229	-1880.26	-2339.17
4	GUIDE	261490112	9.76	3006	-0.043	0.102	0.096	0.159	194.017210	26.469930	263.42	-1372.34
5	GUIDE	261508488	9.45	3005	-0.093	-0.092	0.108	0.170	193.081632	26.490574	925.27	1570.25
6	GUIDE	261242160	8.49	3005	0.154	-0.051	0.066	0.107	193.867779	25.738065	-2228.63	-390.85
7	GUIDE	261491608	9.99	2997	-0.024	-0.031	0.135	0.234	193.422918	26.972540	2408.64	152.49

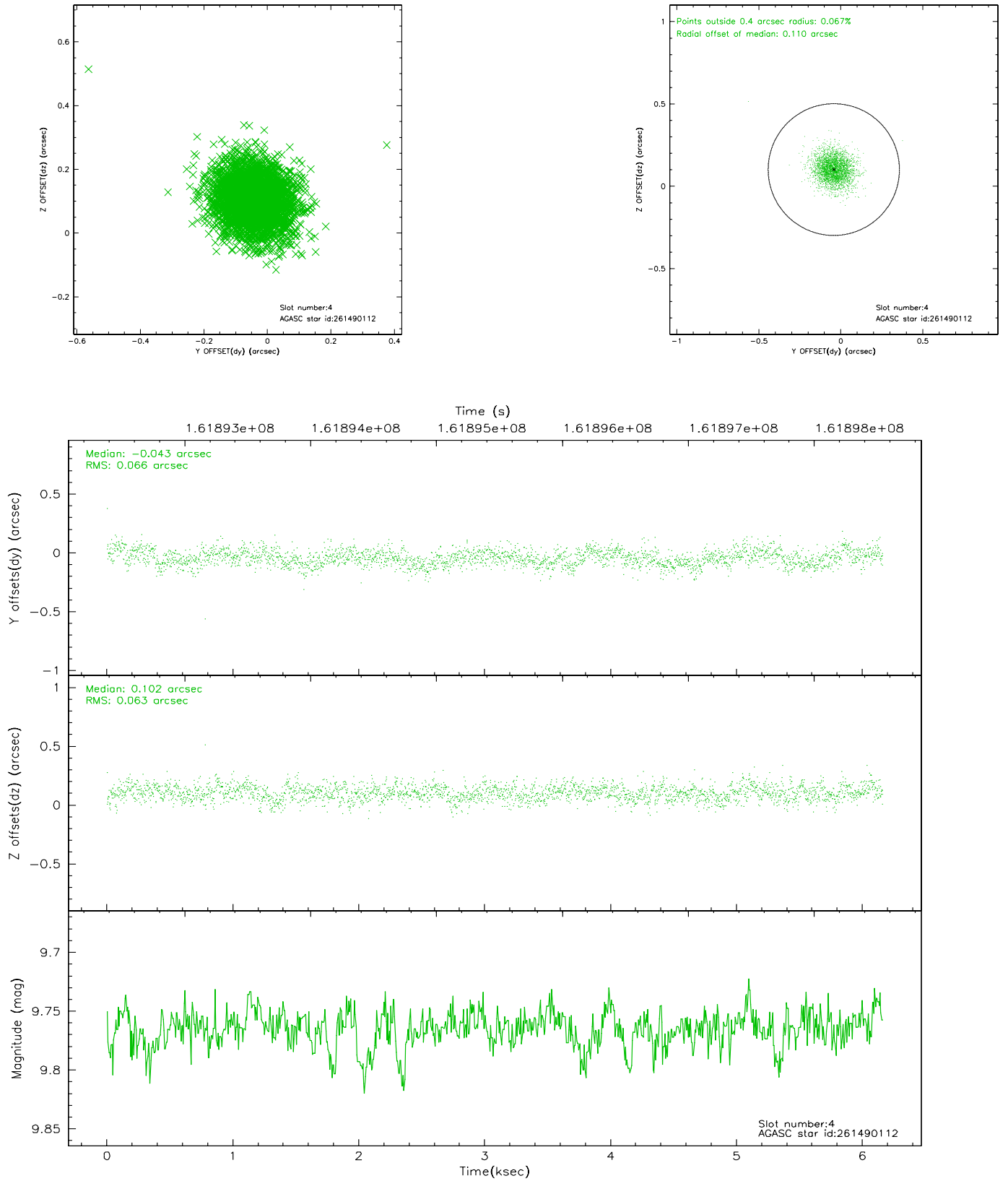


## 2.4 Star Slots

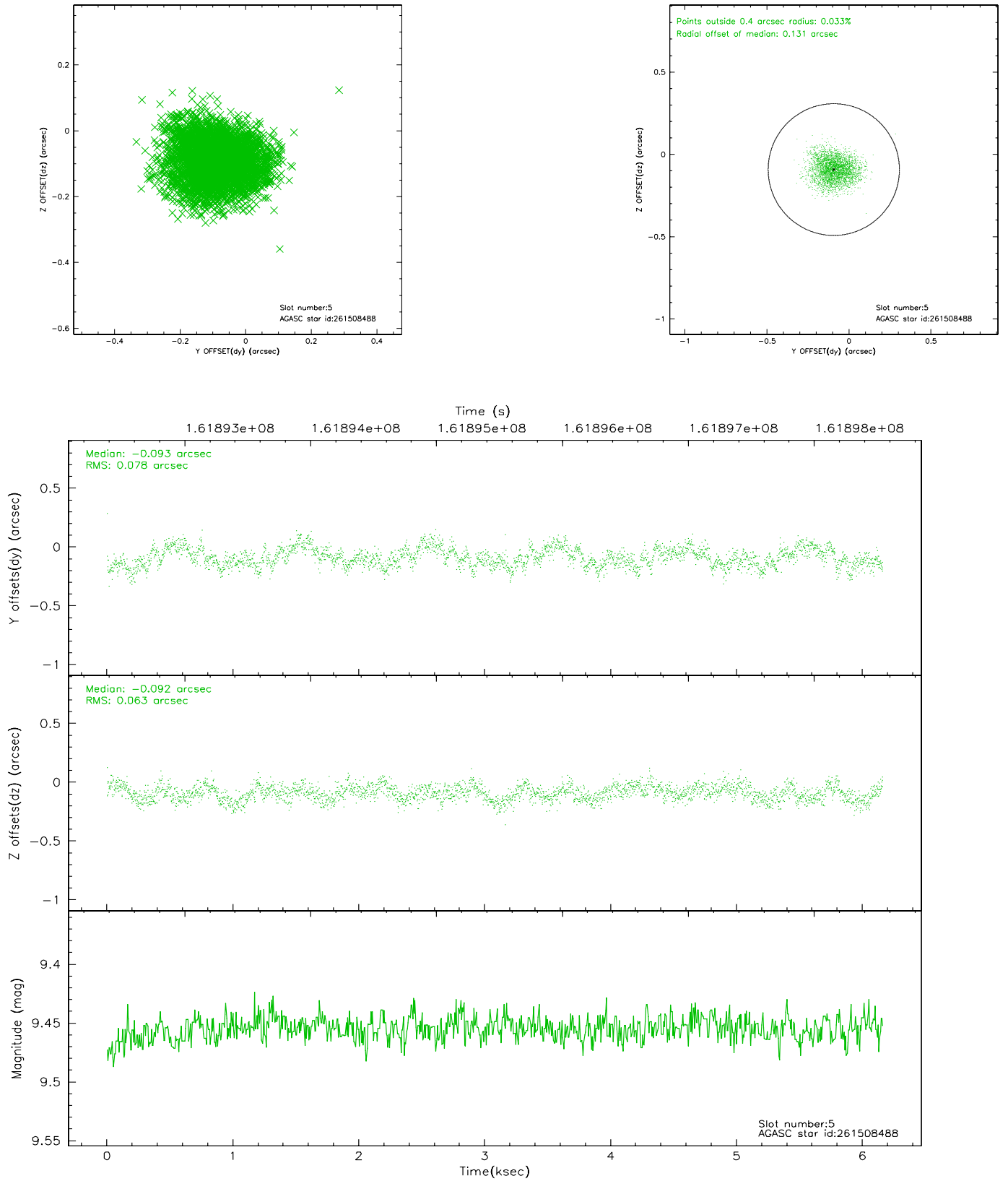
### 2.4.1 Slot 3



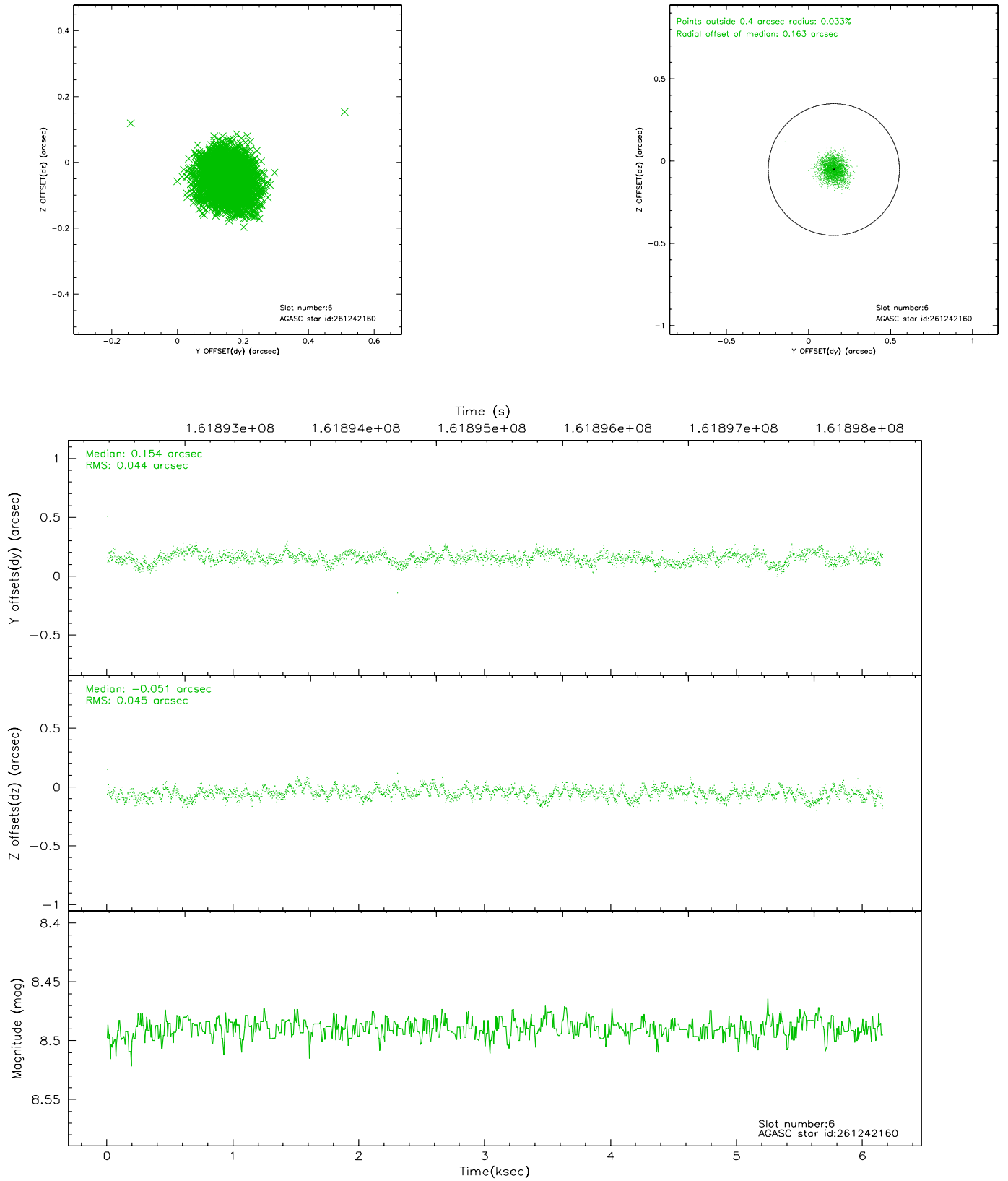
## 2.4.2 Slot 4



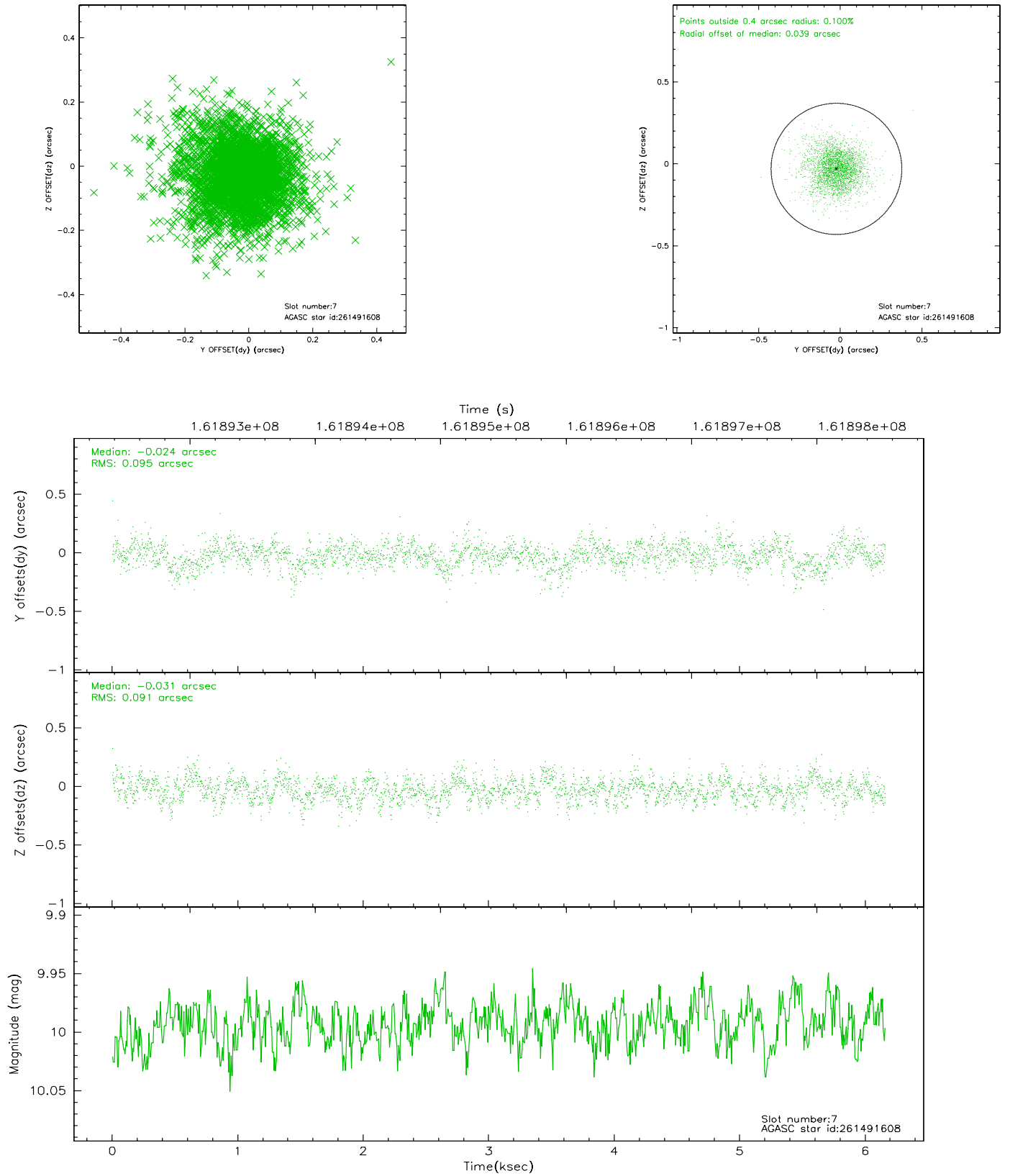
### 2.4.3 Slot 5



## 2.4.4 Slot 6

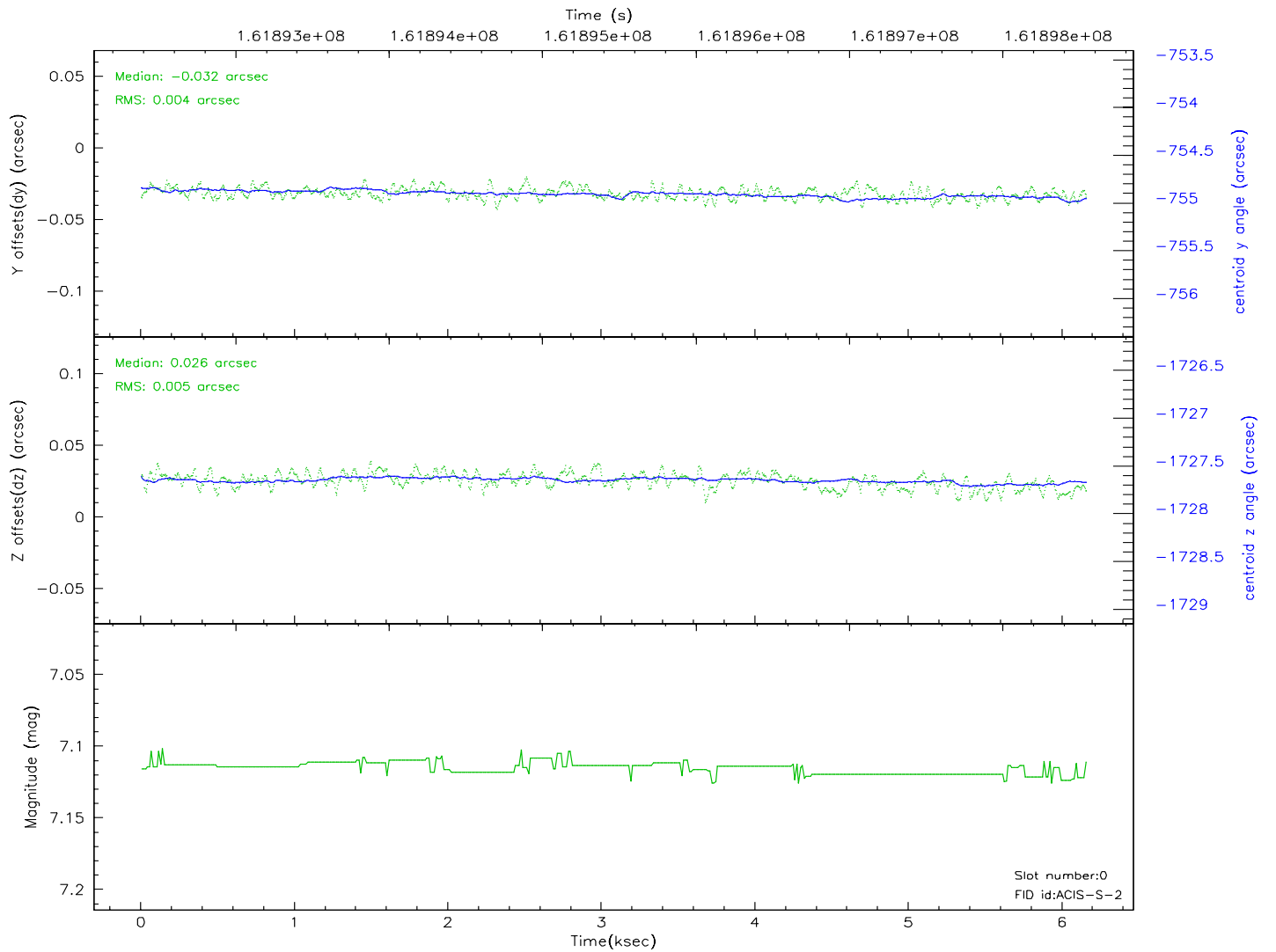
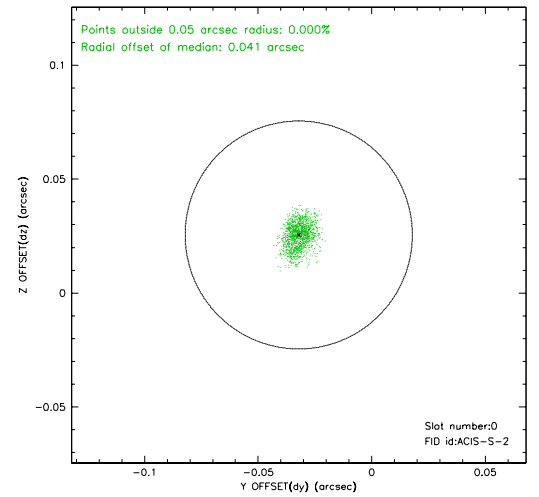
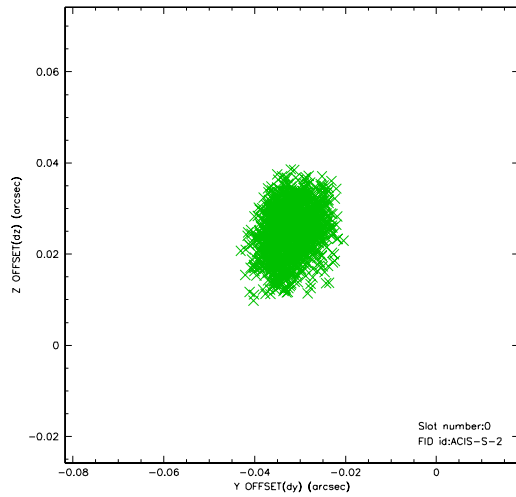


## 2.4.5 Slot 7

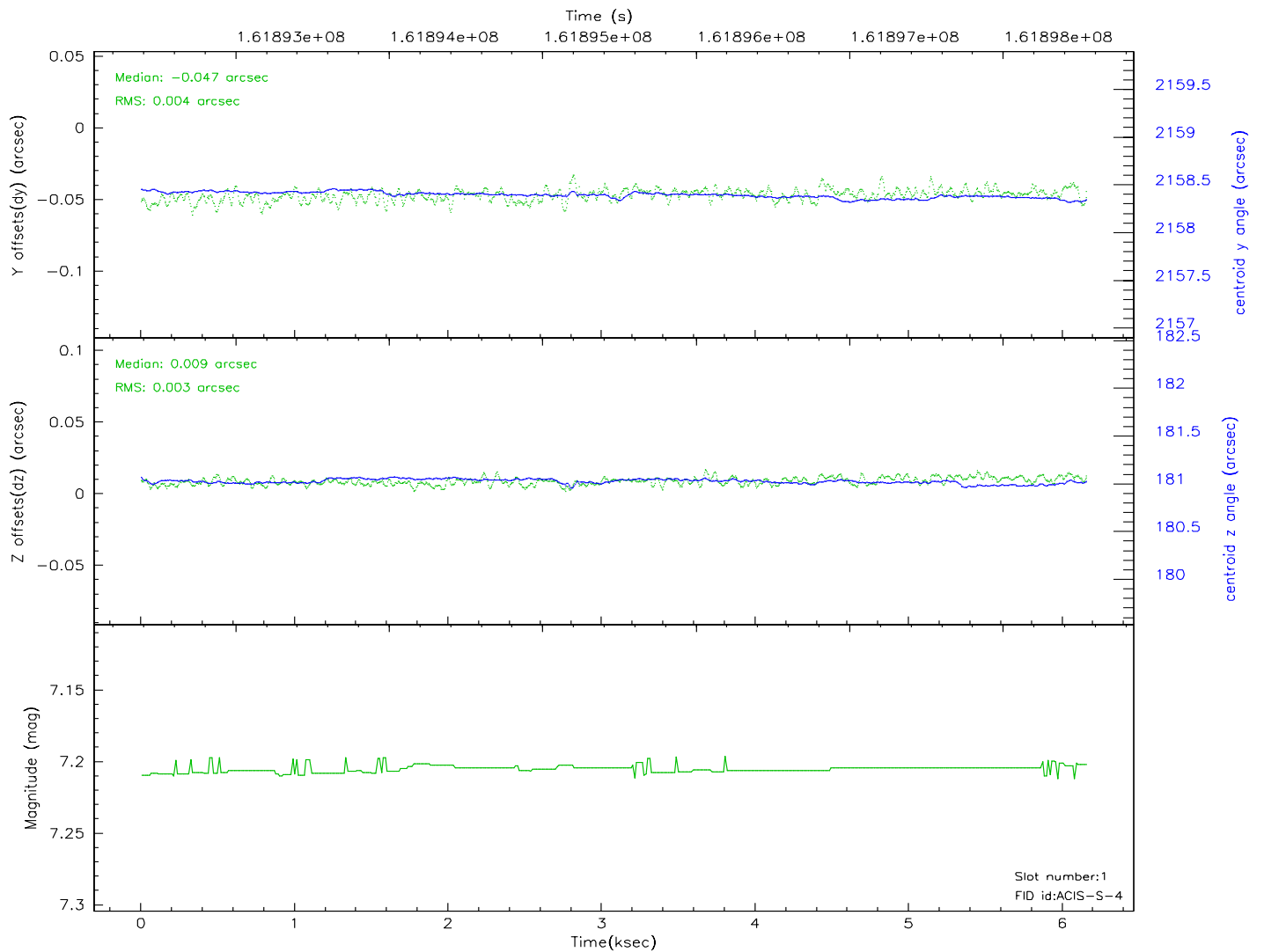
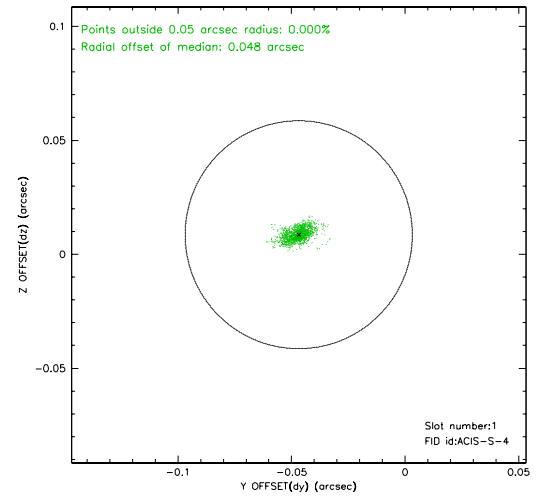
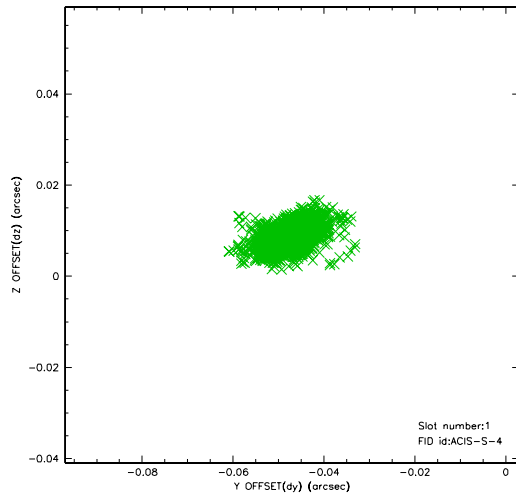


## 2.5 FID Slots

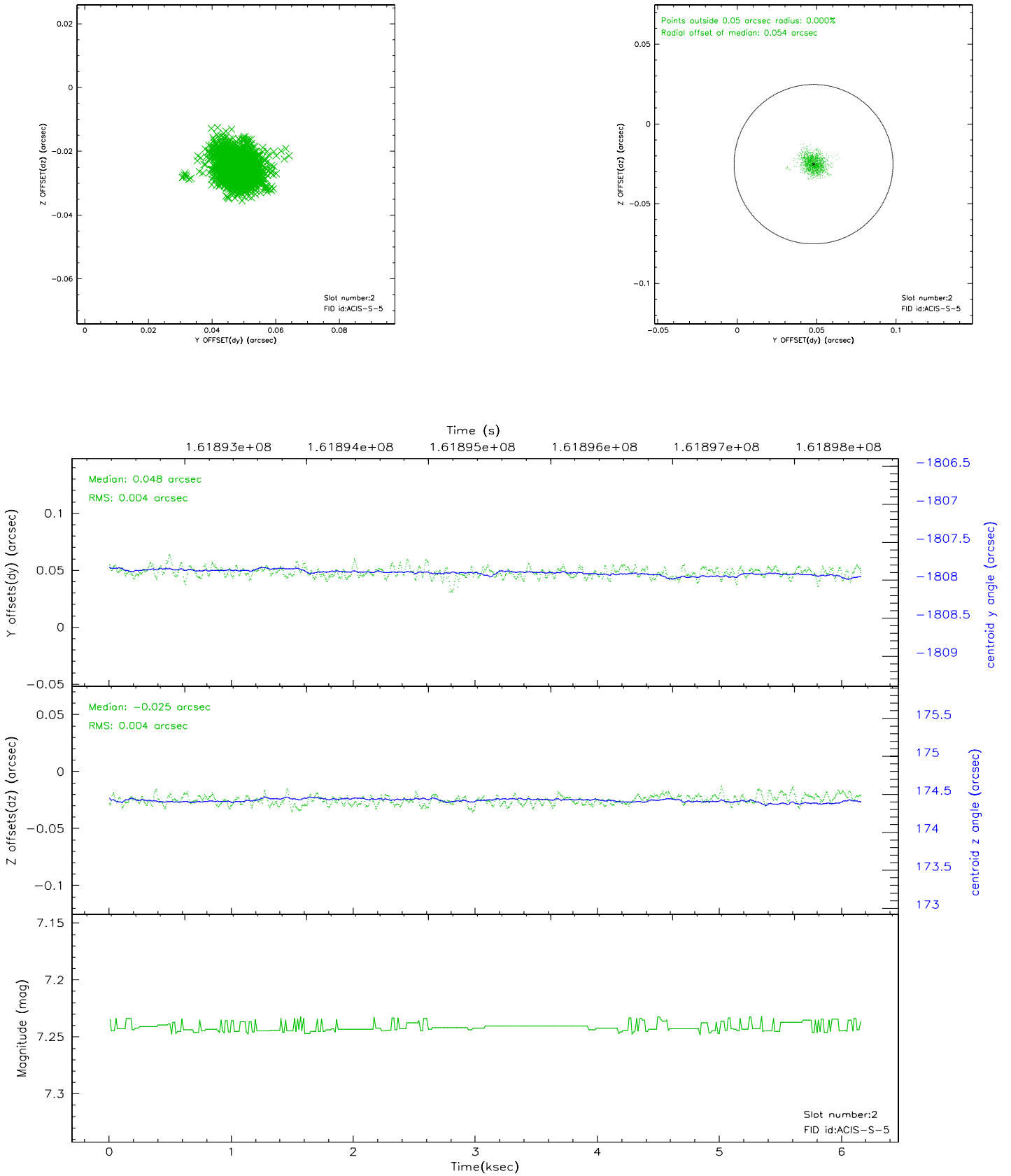
### 2.5.1 Slot 0



## 2.5.2 Slot 1

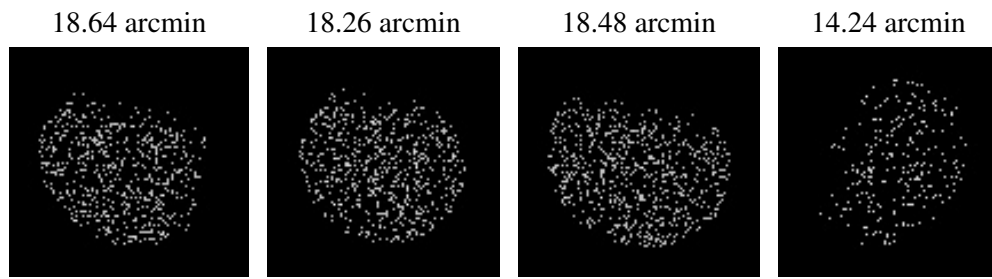


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.76

### A.2 Comments