

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 4834 - L2 Version 002  
Chandra X-Ray Center

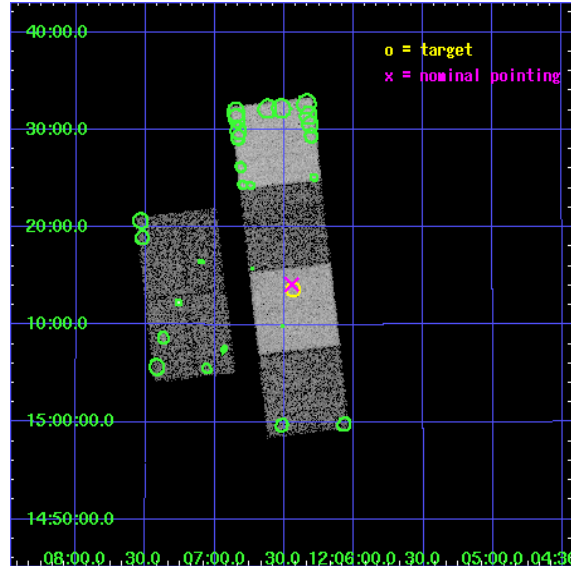
L2 Processing Date: Feb 21 2006

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# 1 Front

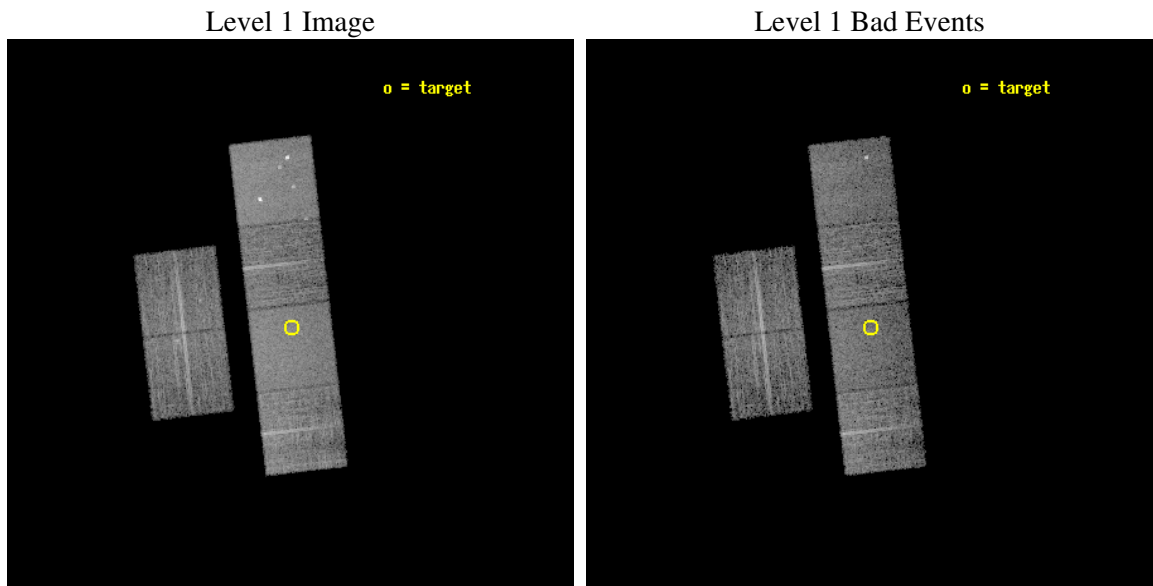
seq_num	700916
obs_id	4834
title	Constraining the Hard-X-ray Through Submm SEDs of a Complete Sample of Broad Absorption Line Quasars
observer	Dr. Sarah Gallagher
object	LBQS 1203+1530
dtcycle	0
cycle	P
ra_targ	181.60875
dec_targ	15.226333
ra_nom	181.61156791411
dec_nom	15.235540169156
roll_nom	83.456020249693
revision	2
ontime	7148.7999733686
livetime	7058.2775636153
ontime2	7148.7999733686
ontime3	7148.7999733686
ontime5	7148.7999733686
ontime6	7148.7999733686
ontime7	7148.7999733686
ontime8	7148.7999733686
l2events	80715



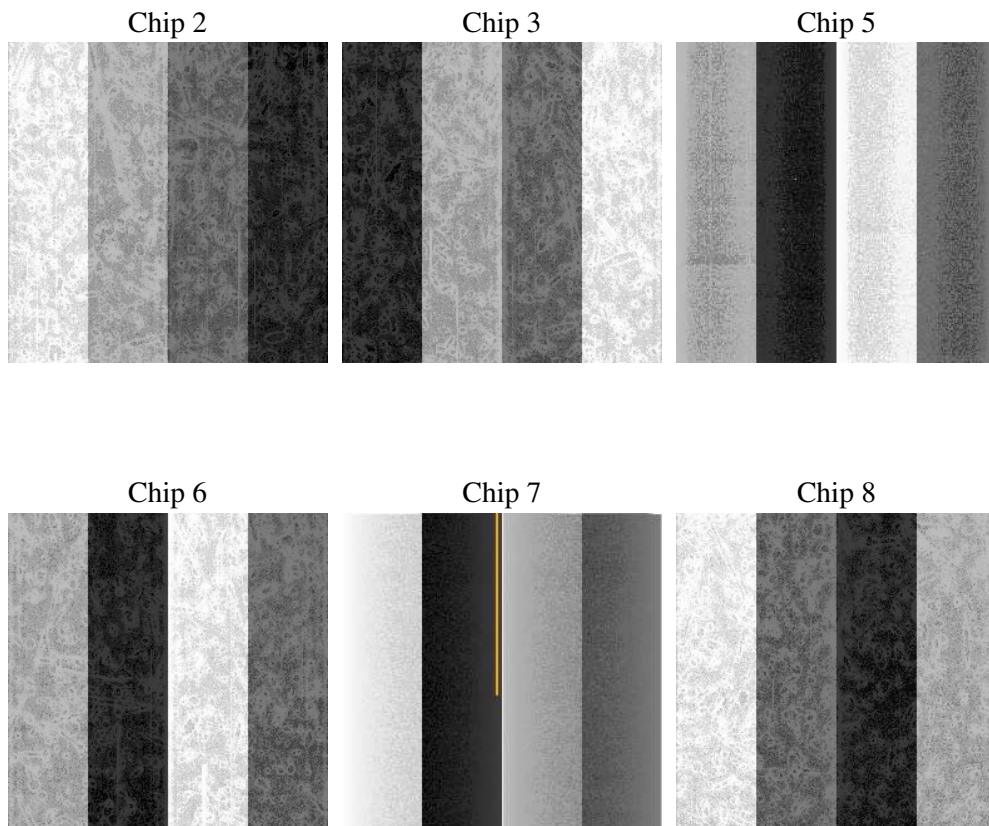
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	2
ascdsver	7.6.7
caldsver	3.2.1
date	2006-02-21T23:11:29
revision	2

sched_exp_time	7000.000000
ontime	7279.3070193827
ontime2	7279.3070193827
ontime3	7279.3070193827
ontime5	7279.3070193827
ontime6	7279.3070193827
ontime7	7279.3070193827
ontime8	7279.3070193827
l1events	380211

### 2.1.4 Events

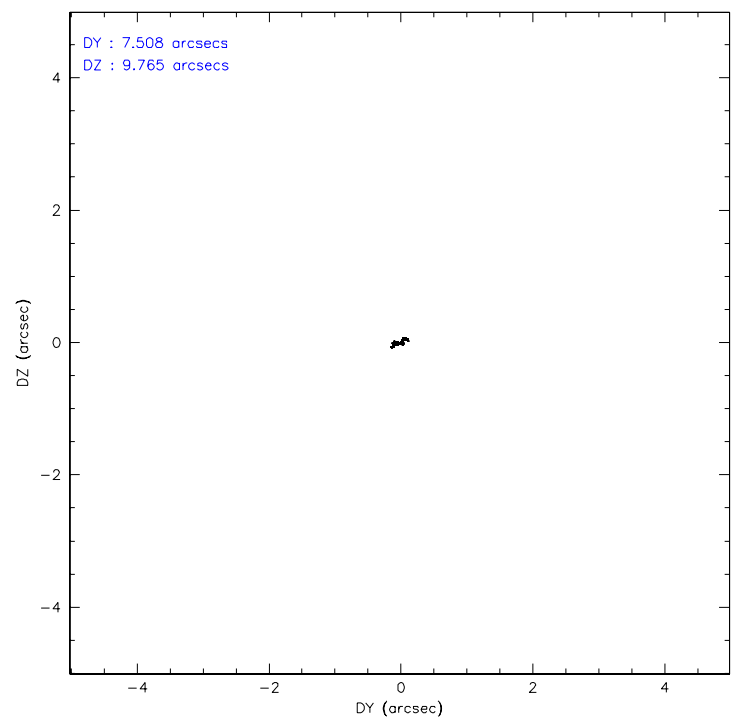
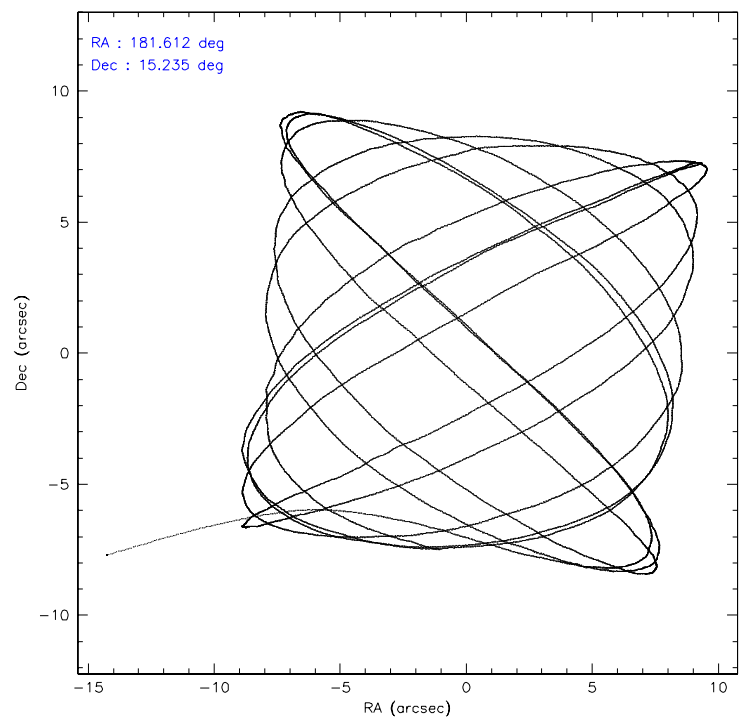
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	53090	50771	82364	54779	71356	67851
rejected events	46843	44456	45840	48485	44625	53623
rejected %	88%	87%	55%	88%	62%	79%

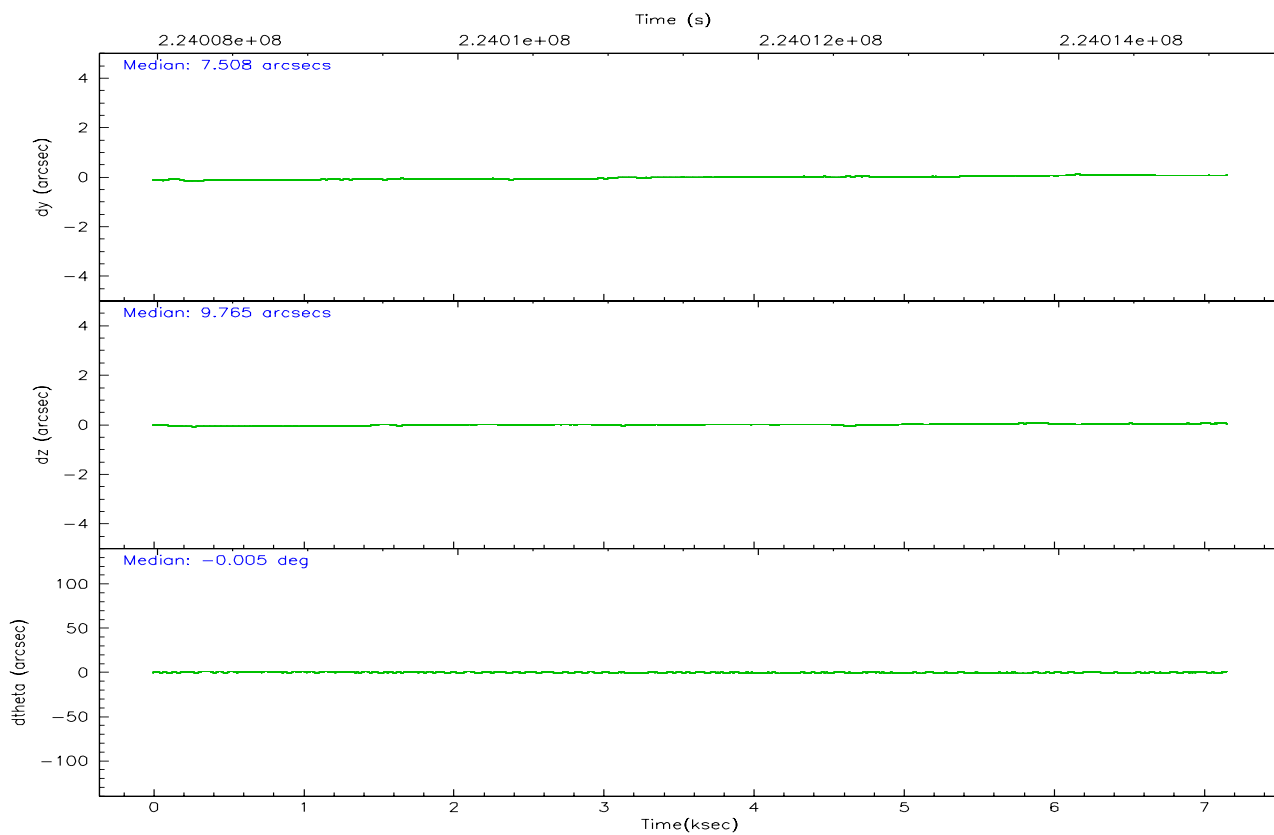
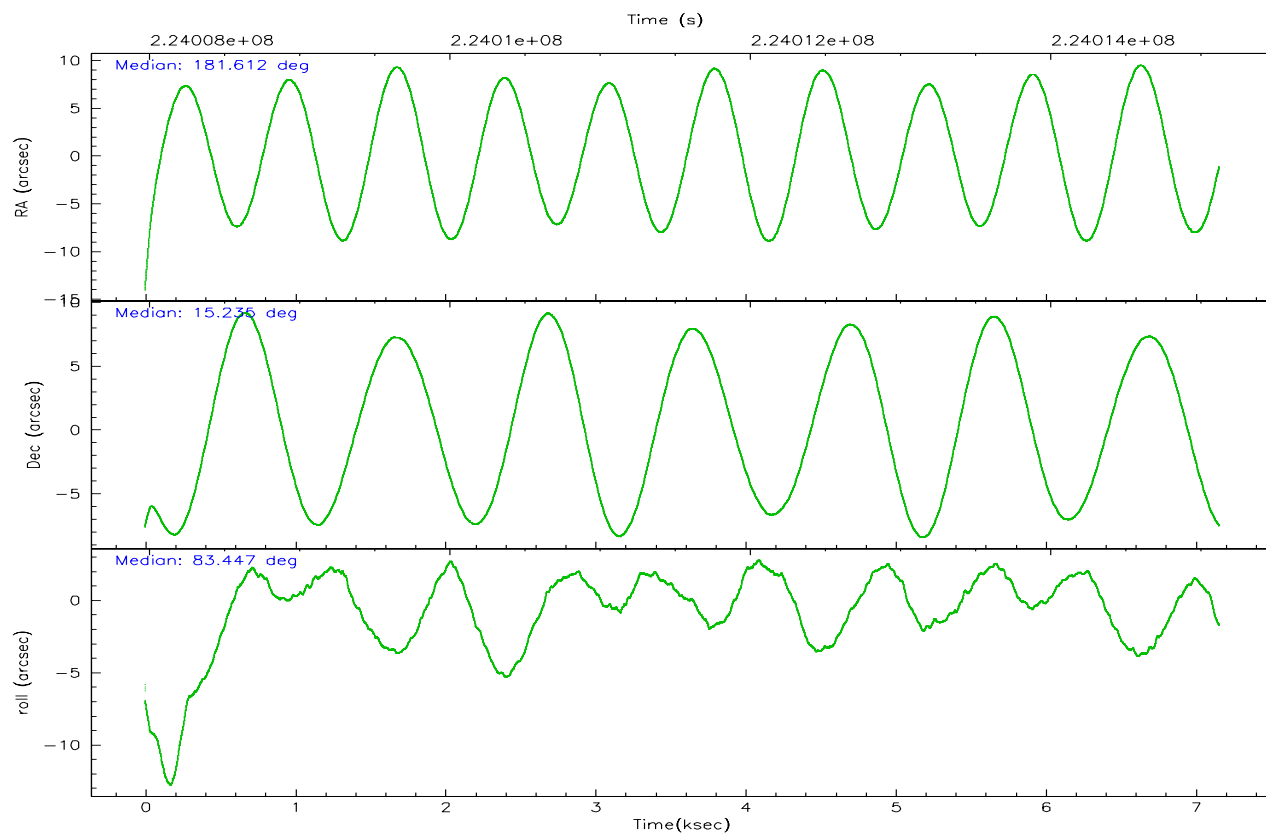
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2884	2935	4374	2541	1484	4523
	5%	5%	5%	4%	2%	6%
grade 1 events	40	25	57	22	41	39
	0%	0%	0%	0%	0%	0%
grade 2 events	1311	1208	11556	1316	6797	3167
	2%	2%	14%	2%	9%	4%
grade 3 events	570	574	756	614	1322	1470
	1%	1%	0%	1%	1%	2%
grade 4 events	581	622	737	584	1263	1404
	1%	1%	0%	1%	1%	2%
grade 5 events	2131	2282	3806	2458	4602	3202
	4%	4%	4%	4%	6%	4%
grade 6 events	1012	1104	19822	1348	16318	3878
	1%	2%	24%	2%	22%	5%
grade 7 events	44561	42021	41256	45896	39529	50168
	83%	82%	50%	83%	55%	73%

## 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	181.623201	181.6115679141131	Alternating exposures requested	N	N
Pointing Dec	15.210763	15.23554016915554	Primary exposure time	0.000000	3.2
Pointing Roll	83.296334	83.45602024969261			
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	224008120.184000	224006993.17611			
Observation start date	2005-02-05T16:27:36	2005-02-05T16:09:53			
Observation end time	224015120.184000	224015778.45151			
Observation end date	2005-02-05T18:24:16	2005-02-05T18:36:18			
Read mode	TIMED	TIMED			

2.3 Aspect



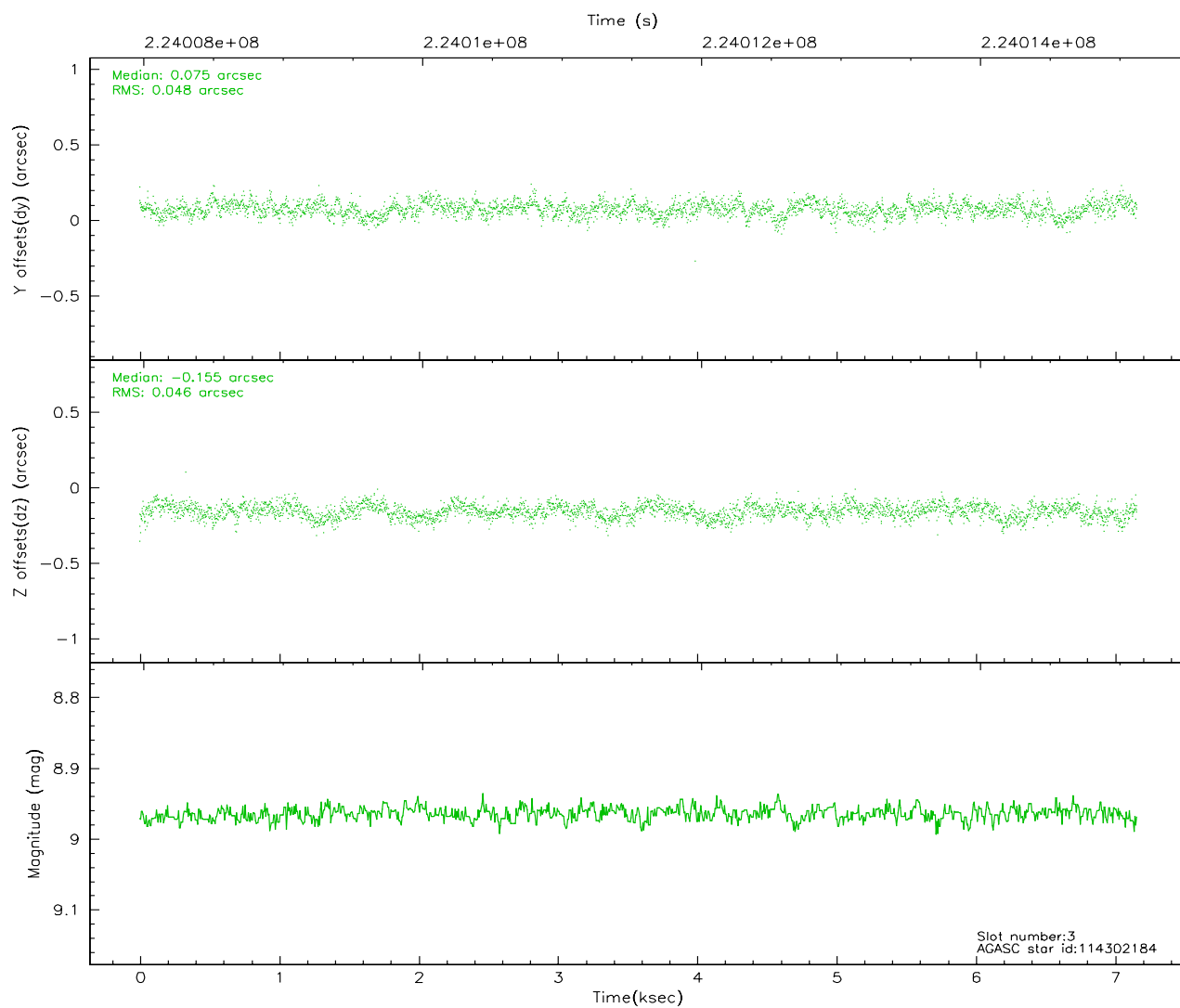
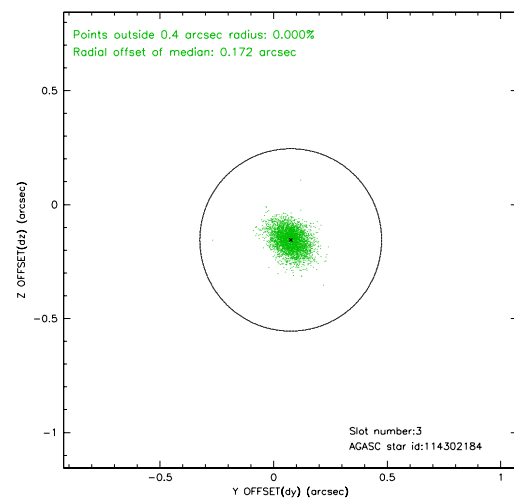
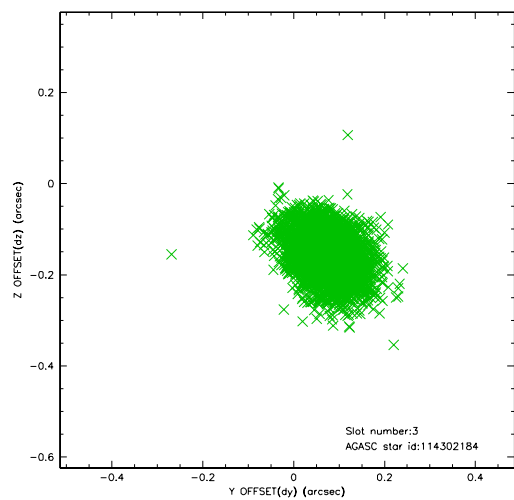


### Slot Statistics

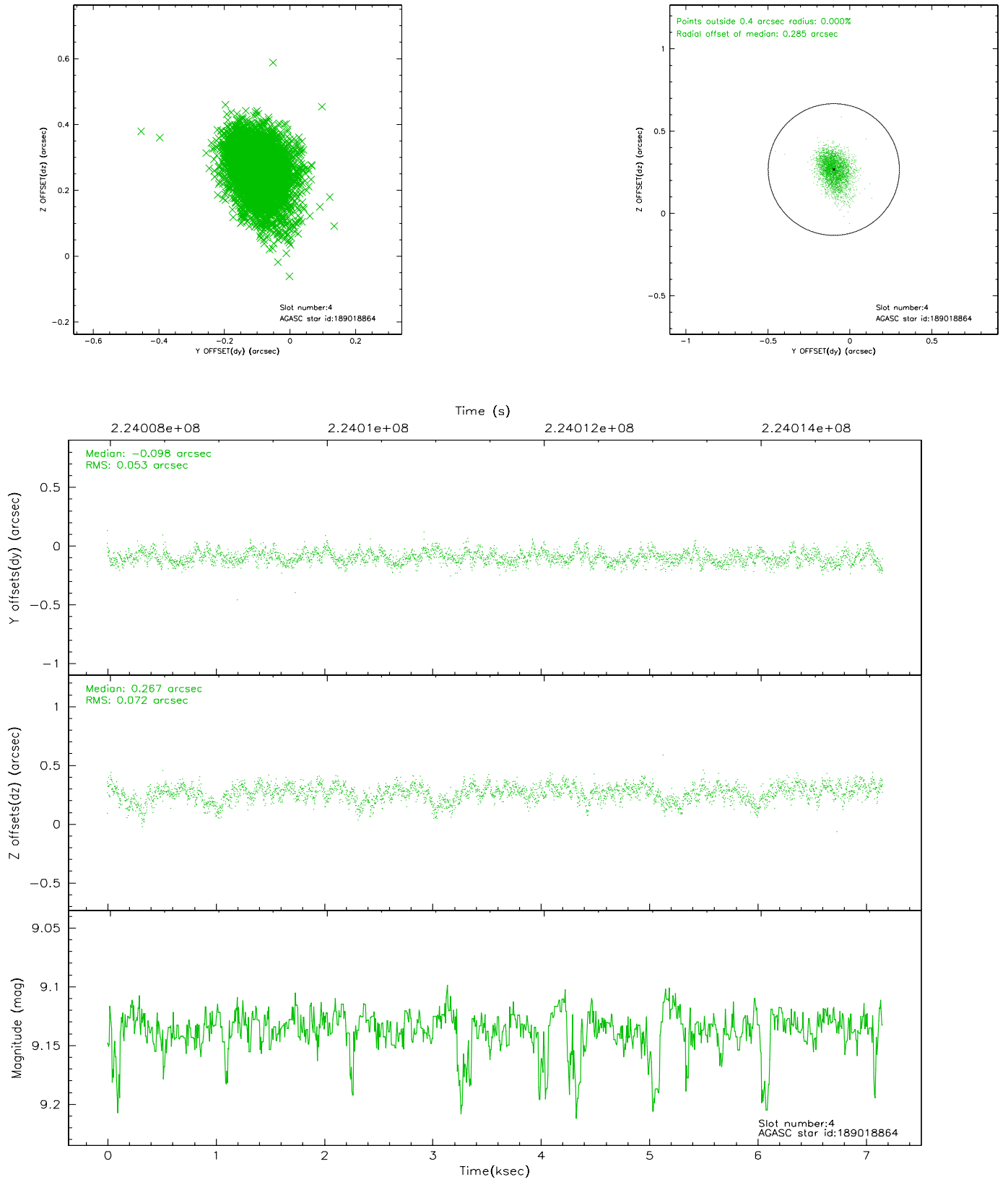
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1745	-0.039	-0.015	0.007	0.013	0.000000	0.000000	-760.25	-1731.04
1	FID	ACIS-S-4	7.20	1746	0.070	0.023	0.006	0.012	0.000000	0.000000	2152.72	176.72
2	FID	ACIS-S-5	7.24	1746	-0.063	0.001	0.007	0.013	0.000000	0.000000	-1812.13	171.19
3	GUIDE	114302184	8.96	3491	0.075	-0.155	0.069	0.116	181.306369	14.851234	-1413.08	943.92
4	GUIDE	189018864	9.14	3492	-0.098	0.267	0.092	0.155	182.332375	15.411376	1008.17	-2358.98
5	GUIDE	189019864	9.74	3489	-0.026	-0.296	0.114	0.179	181.569365	15.386231	606.21	258.61
6	GUIDE	189020456	9.74	3491	0.016	0.172	0.122	0.201	182.196983	15.036844	-385.40	-2053.57
7	GUIDE	189023192	9.19	3490	0.035	0.020	0.081	0.132	181.801557	15.100269	-321.99	-662.54

## 2.4 Star Slots

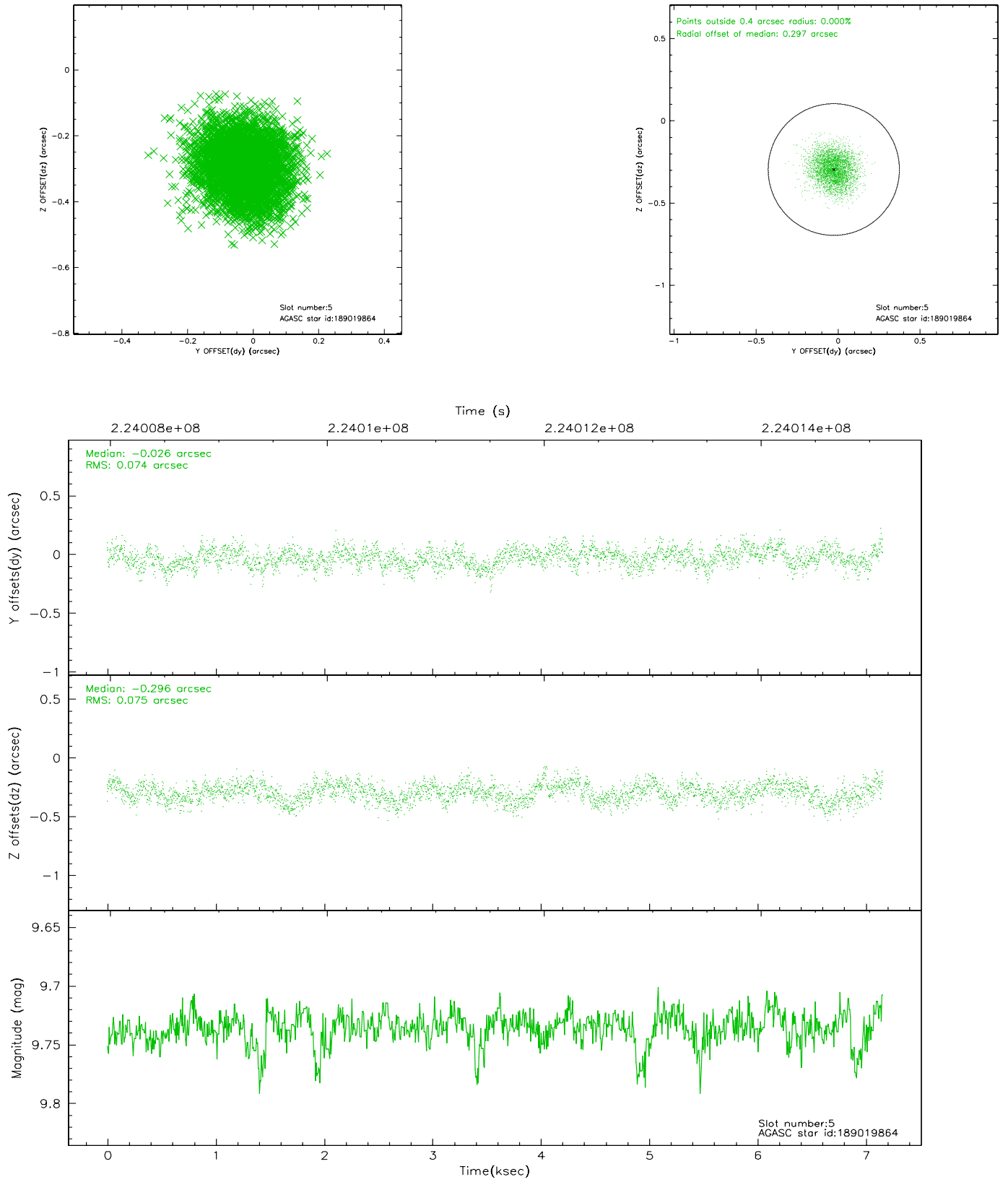
### 2.4.1 Slot 3



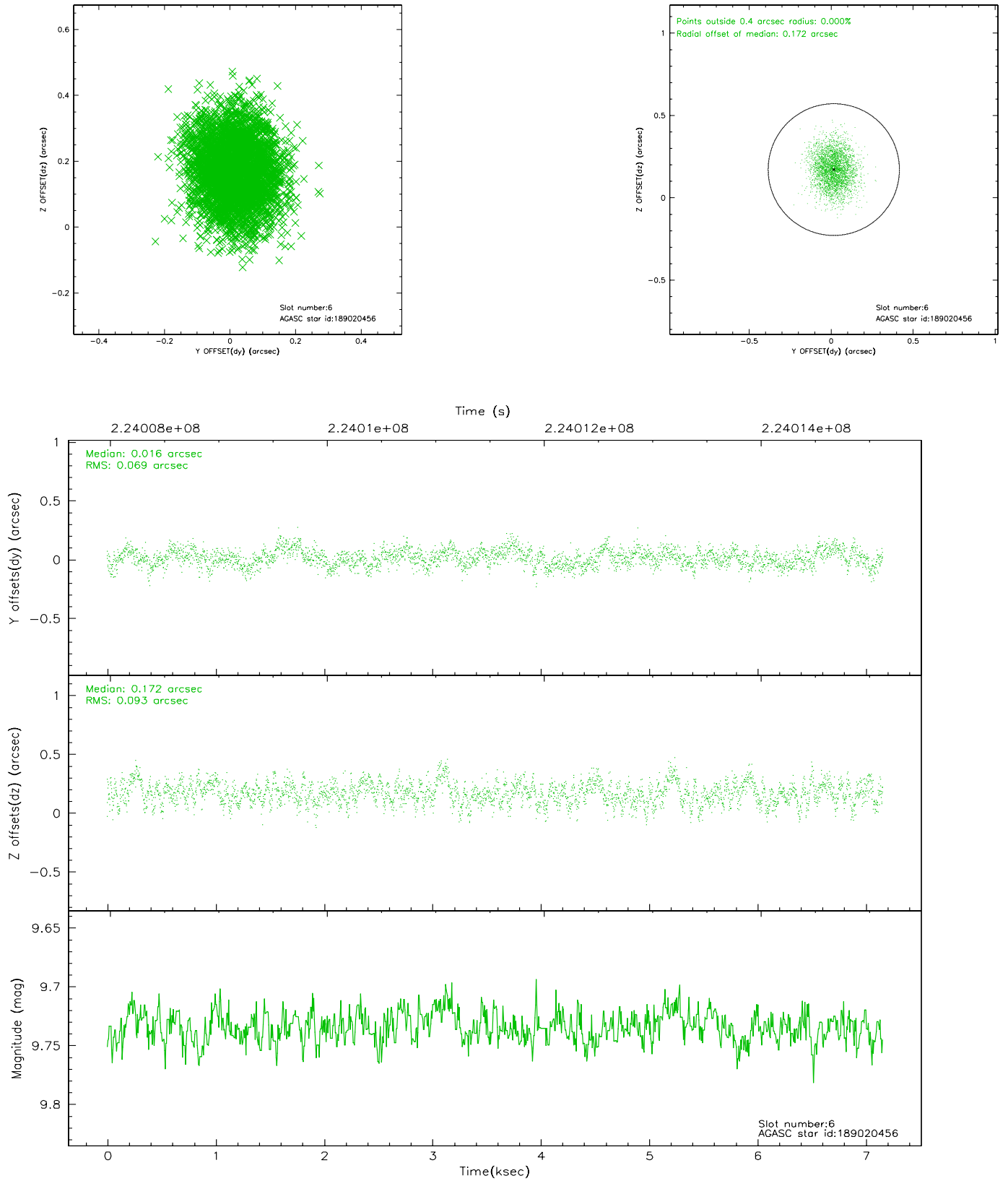
## 2.4.2 Slot 4



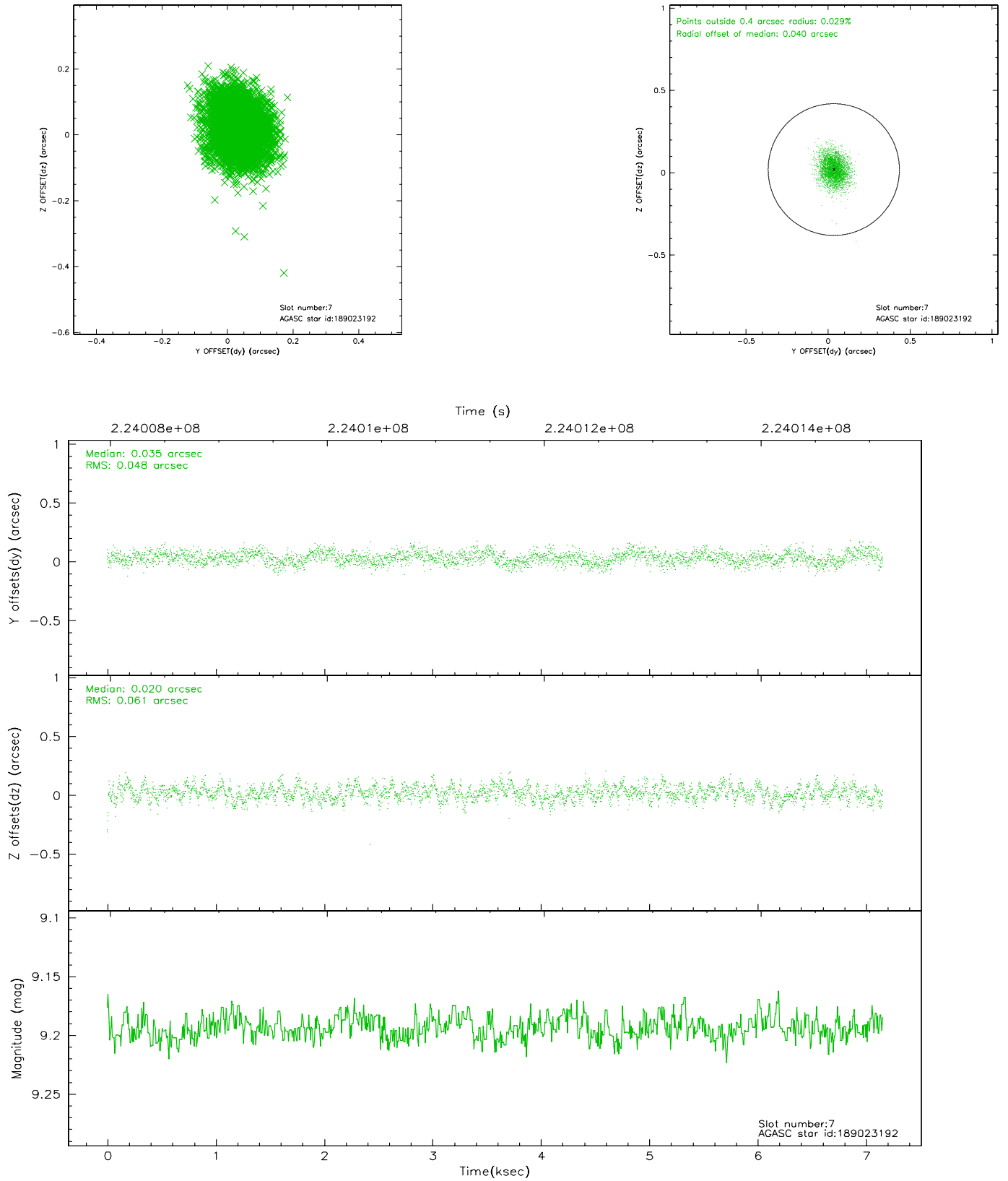
### 2.4.3 Slot 5



## 2.4.4 Slot 6

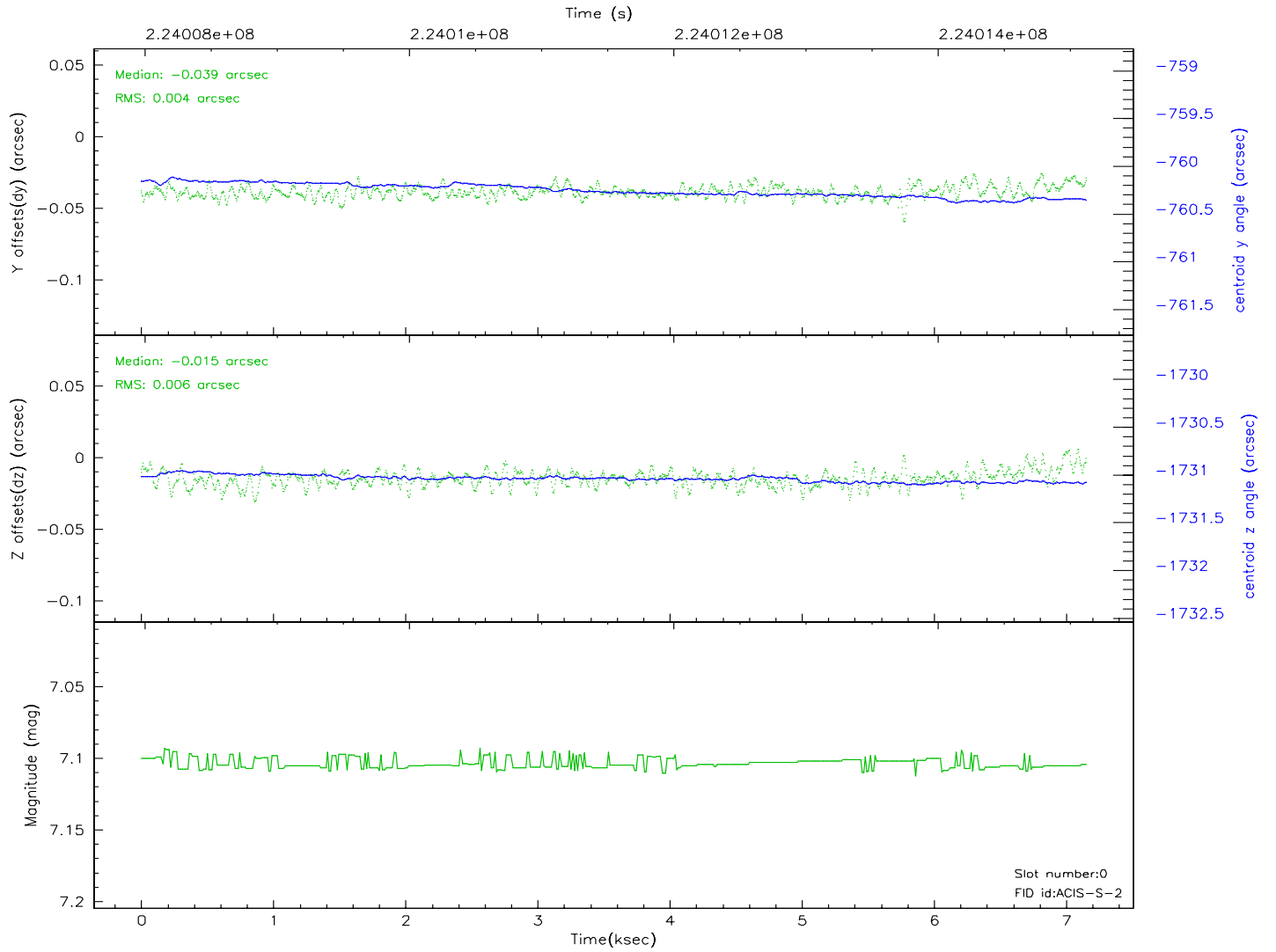
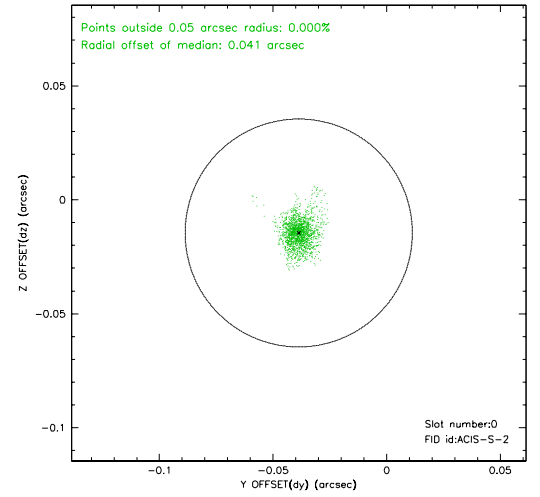
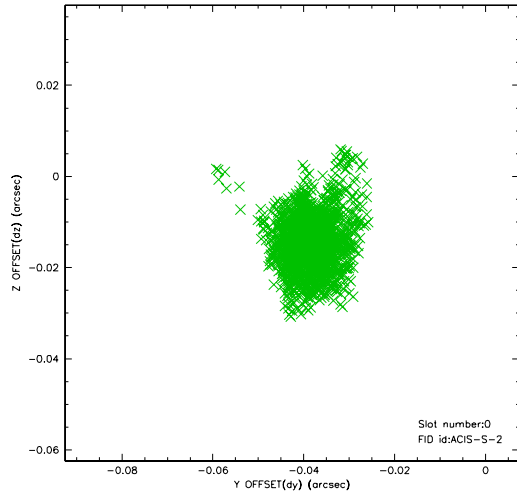


## 2.4.5 Slot 7

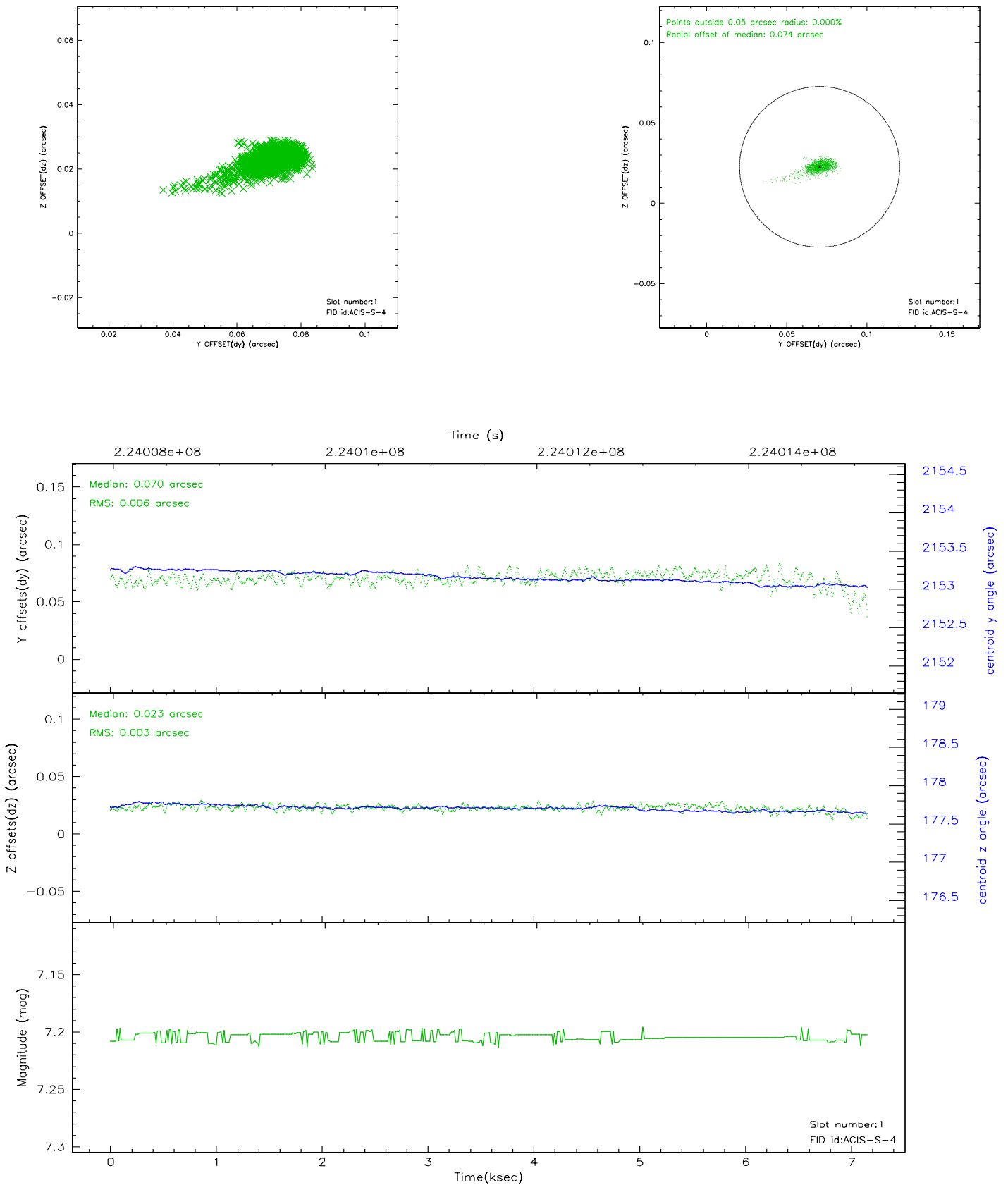


## 2.5 FID Slots

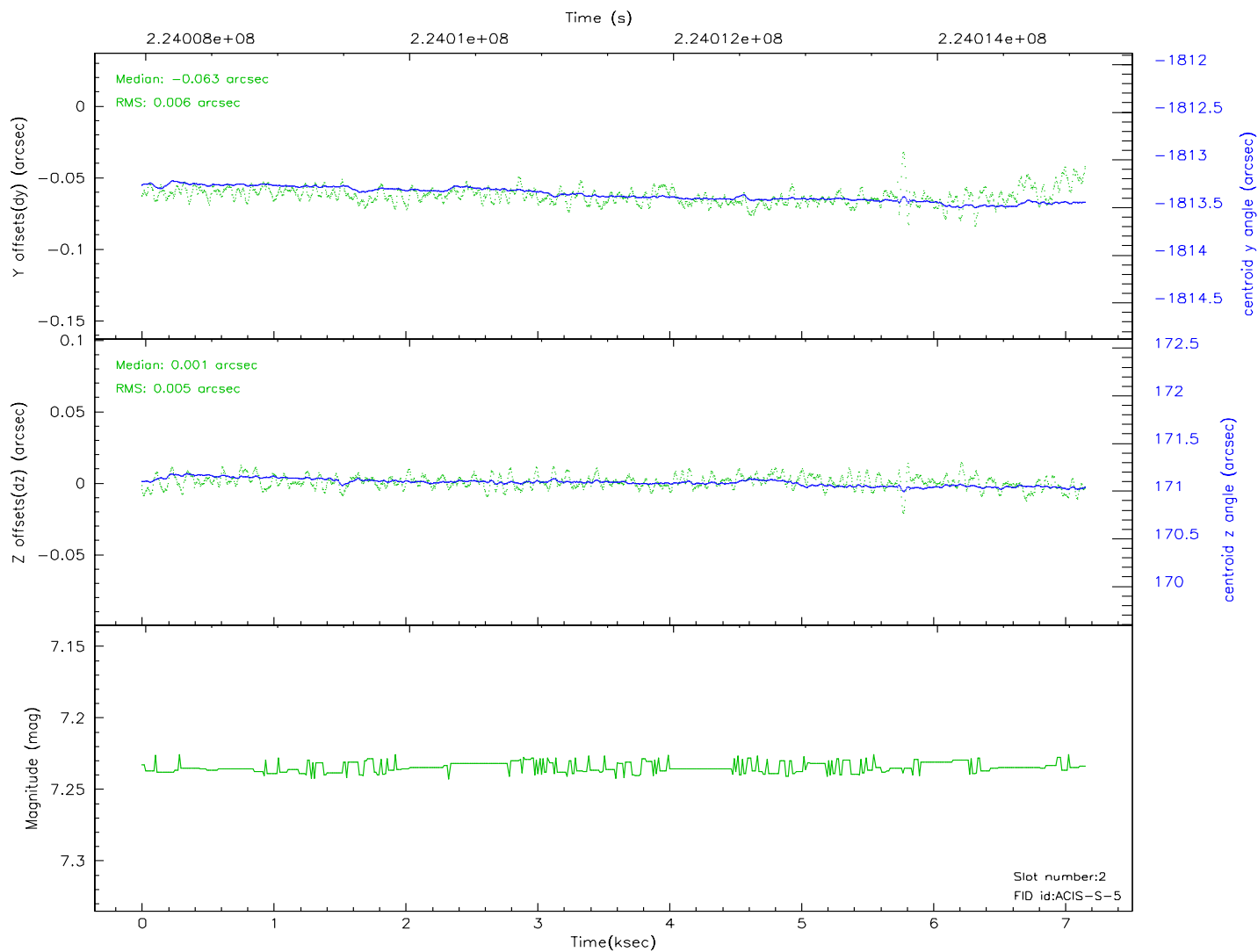
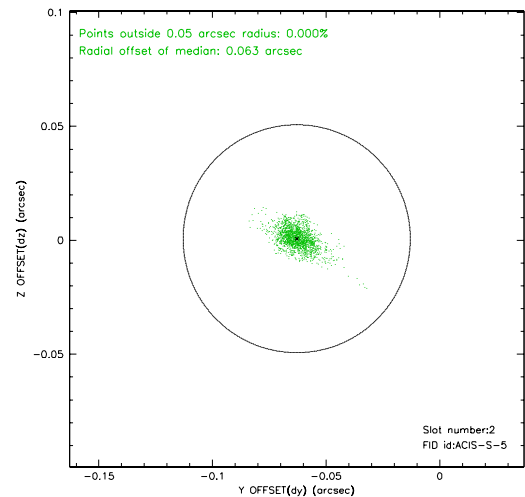
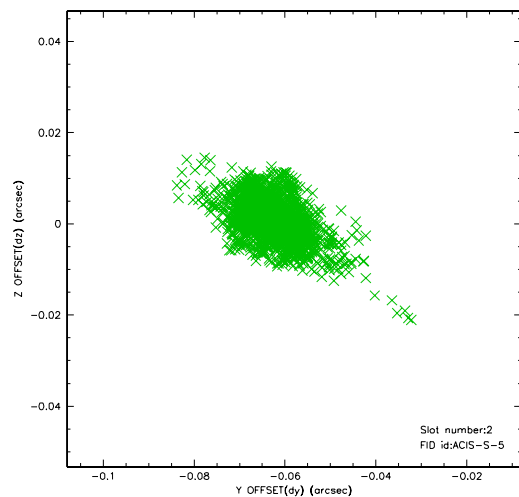
### 2.5.1 Slot 0



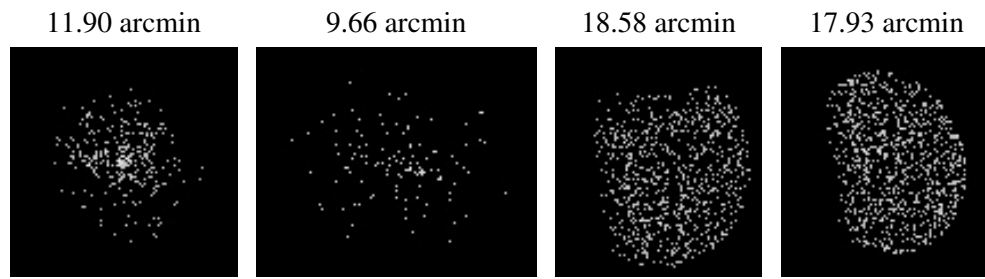
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.02.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.148799

### A.2 Comments