

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 6334 - L2 Version 002  
Chandra X-Ray Center

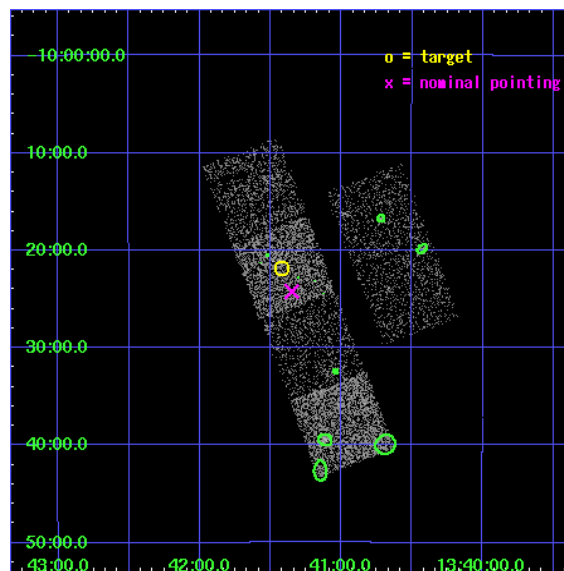
L2 Processing Date : Mar 14 2006

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# 1 Front

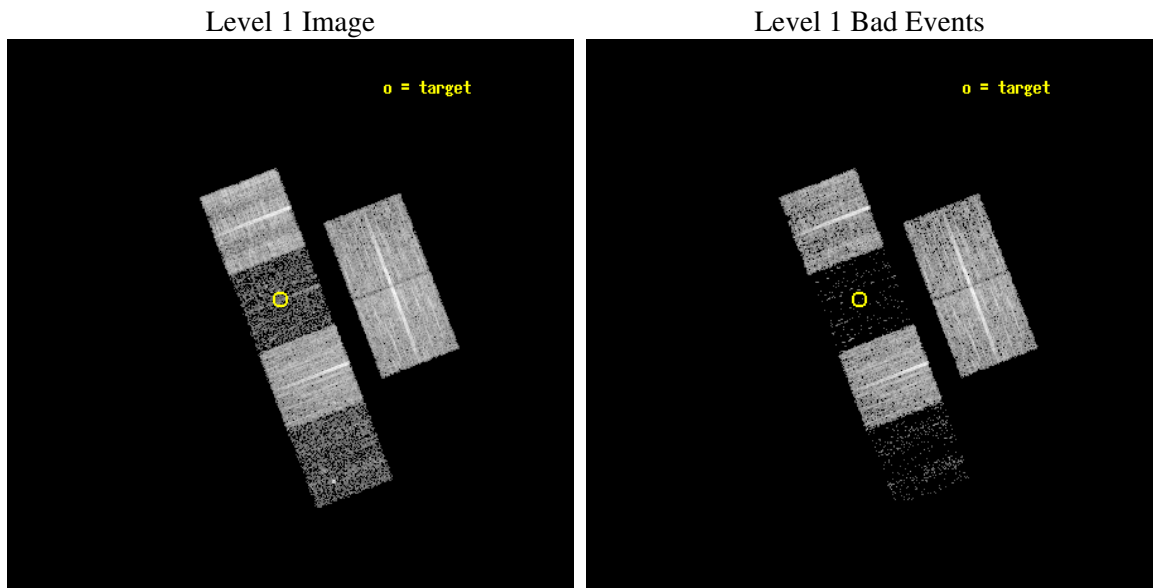
seq_num	100055
obs_id	6334
title	Comet 9P/Tempel 1 During the Deep Impact Encounter
observer	Dr. Carey Lisse
object	9P/Tempel 1
dtcycle	0
cycle	P
ra_targ	205.354412
dec_targ	-10.364373
ra_nom	205.33717923682
dec_nom	-10.403745495306
roll_nom	249.0943212023
revision	2
ontime	8079.9999698997
livetime	7977.6861450889
ontime2	8076.7589996159
ontime3	8079.9999698997
ontime5	8079.9999698997
ontime6	8076.7589996159
ontime7	8079.9999698997
ontime8	8076.7590095997
l2events	11747



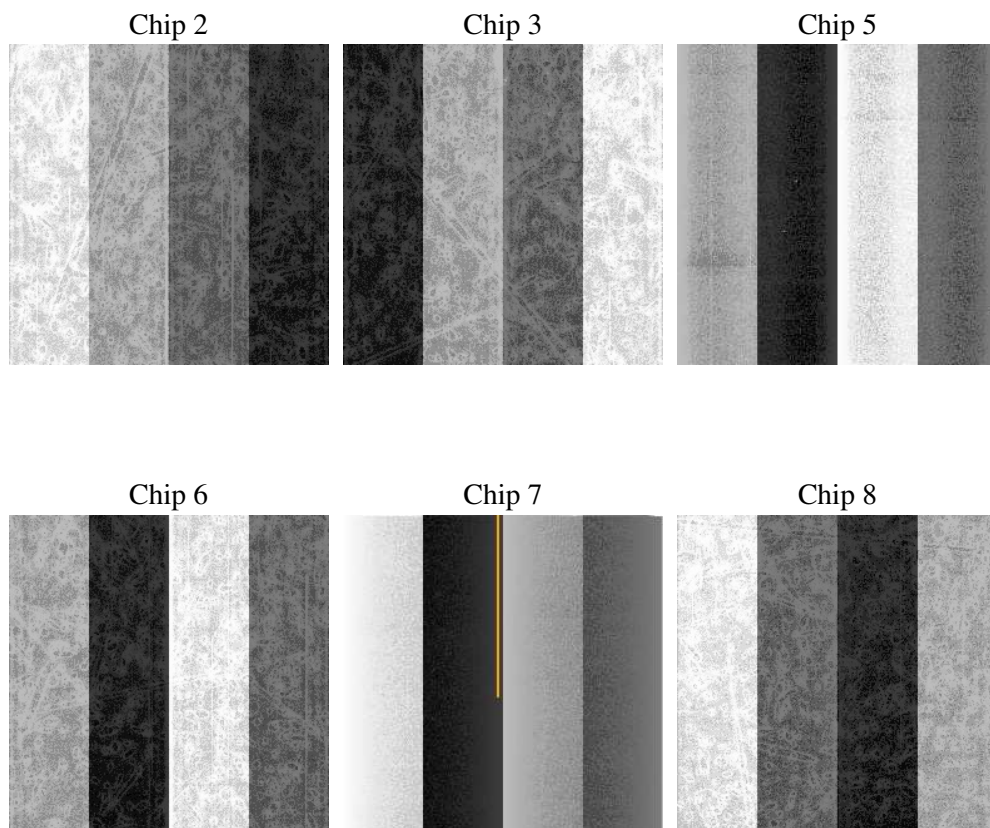
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-14T09:26:04
revision	2

sched_exp_time	7900.000000
ontime	8410.4018345773
ontime2	8407.1608642936
ontime3	8410.4018345773
ontime5	8410.4018345773
ontime6	8407.1608841717
ontime7	8410.4018345773
ontime8	8407.1608543694
l1events	172081

### 2.1.4 Events

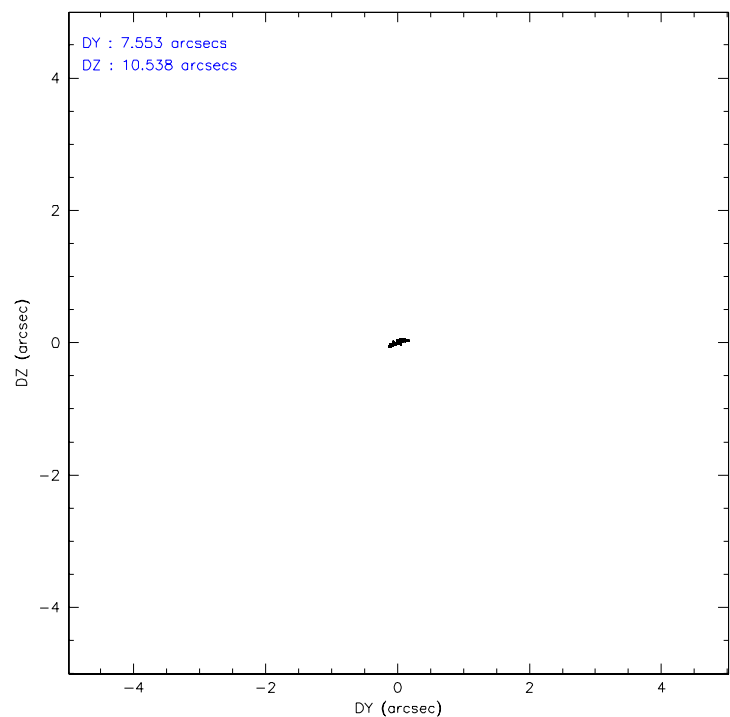
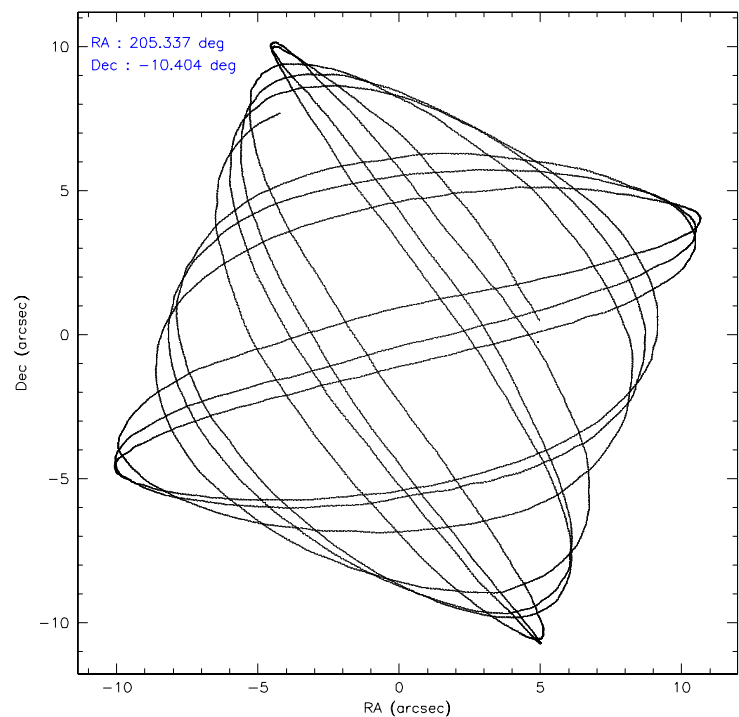
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	43178	36021	6578	37632	5293	43379
rejected events	41499	34774	2217	36063	1397	32986
rejected %	96%	96%	33%	95%	26%	76%

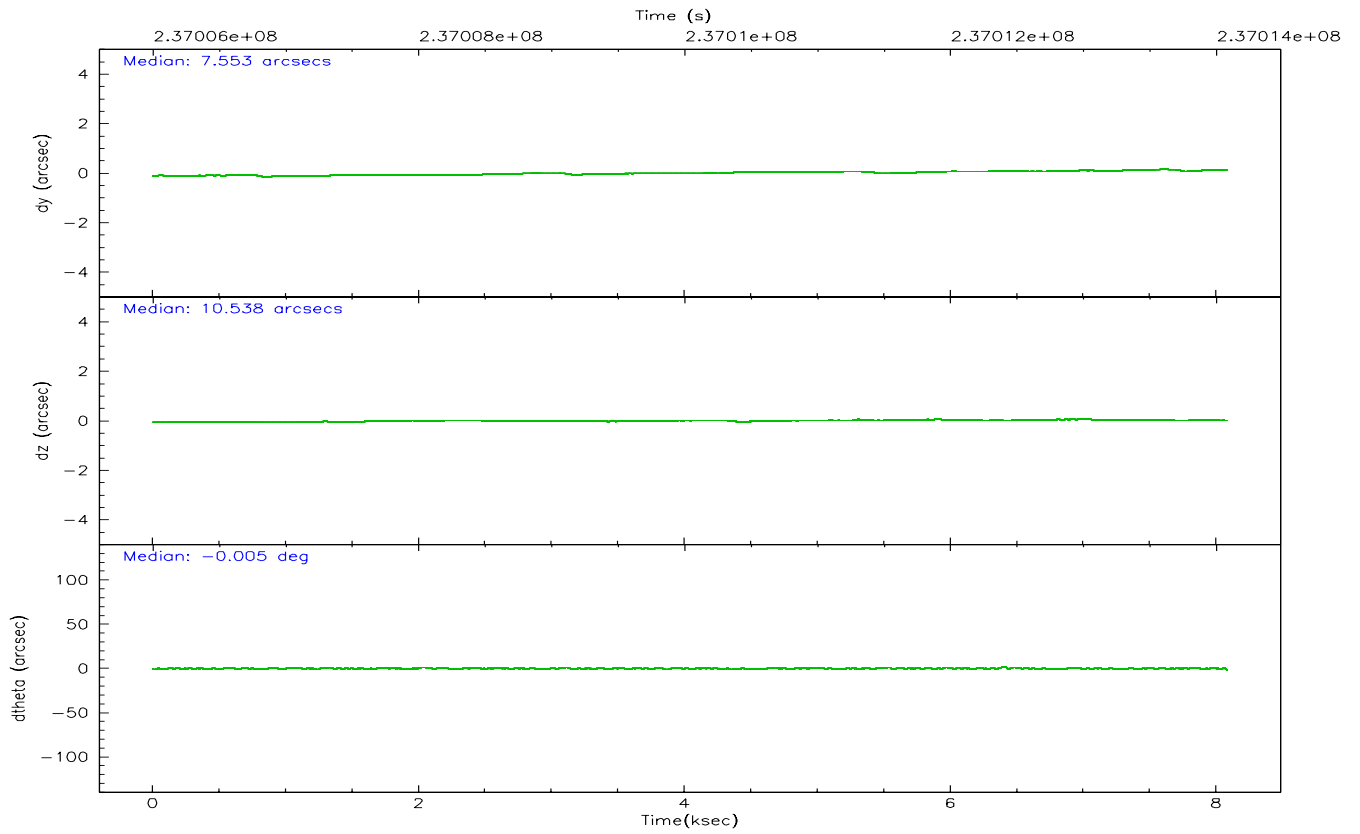
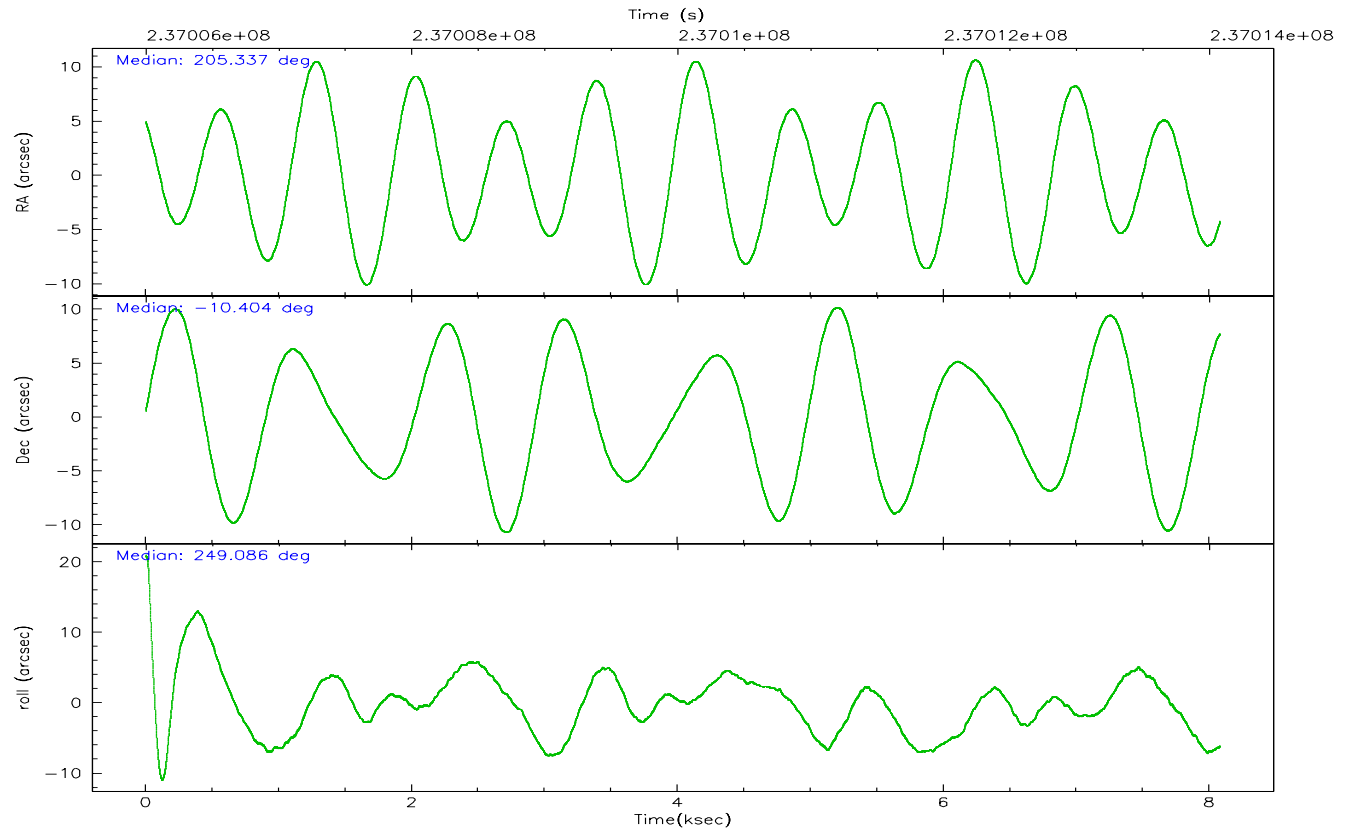
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	738	614	1102	818	965	2977
	1%	1%	16%	2%	18%	6%
grade 1 events	9	8	15	13	25	33
	0%	0%	0%	0%	0%	0%
grade 2 events	351	191	1854	308	1373	2487
	0%	0%	28%	0%	25%	5%
grade 3 events	201	192	514	176	603	1282
	0%	0%	7%	0%	11%	2%
grade 4 events	276	201	499	226	592	1210
	0%	0%	7%	0%	11%	2%
grade 5 events	57	30	314	40	165	249
	0%	0%	4%	0%	3%	0%
grade 6 events	202	100	576	112	520	3011
	0%	0%	8%	0%	9%	6%
grade 7 events	41344	34685	1704	35939	1050	32130
	95%	96%	25%	95%	19%	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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	205.332452	205.3371792368193	Alternating exposures requested	N	N
Pointing Dec	-10.376957	-10.40374549530607	Primary exposure time	0.000000	3.2
Pointing Roll	248.936831	249.0943212023046			
Window start time	236966464.184000	236966464.184000			
Window stop time	237031264.184000	237031264.184000			
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	237006186.184000	237005810.06721			
Observation start date	2005-07-06T03:02:02	2005-07-06T02:56:50			
Observation end time	237014086.184000	237014220.19259			
Observation end date	2005-07-06T05:13:42	2005-07-06T05:17:00			
Read mode	TIMED	TIMED			

## 2.3 Aspect





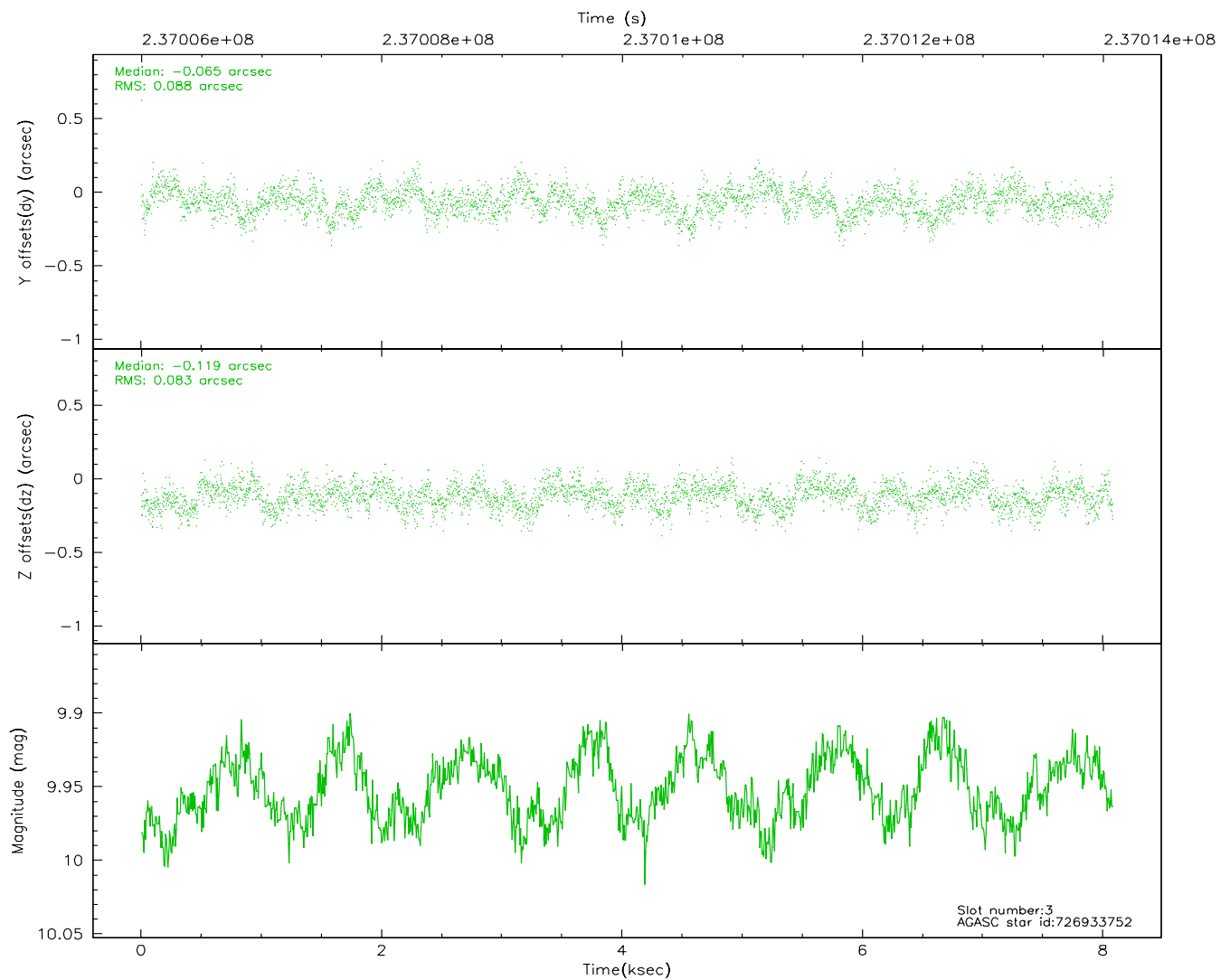
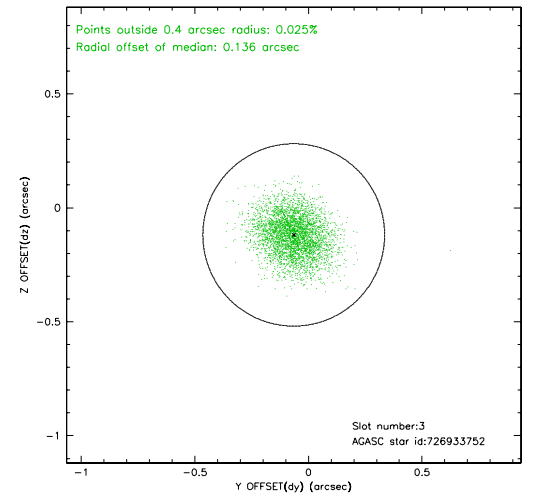
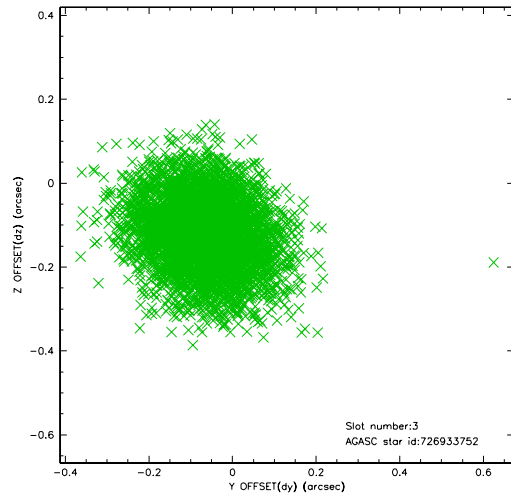
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1971	-0.036	0.011	0.006	0.011	0.000000	0.000000	-760.32	-1731.81
1	FID	ACIS-S-4	7.20	1971	0.055	0.015	0.006	0.010	0.000000	0.000000	2152.69	176.03
2	FID	ACIS-S-5	7.23	1971	-0.050	-0.017	0.007	0.011	0.000000	0.000000	-1812.32	170.37
3	GUIDE	726933752	9.95	3941	-0.065	-0.119	0.130	0.207	205.376260	-9.946078	-1502.87	-412.88
4	GUIDE	727320264	9.53	3939	0.066	0.292	0.099	0.158	205.464326	-10.871323	1493.39	1075.26
5	GUIDE	727320968	9.35	3942	-0.209	0.195	0.108	0.170	205.790359	-10.593418	146.31	1793.07
6	GUIDE	727321088	9.44	3940	0.309	-0.604	0.092	0.148	204.964296	-10.686432	1509.41	-814.62
7	GUIDE	727321928	10.09	3939	-0.104	0.241	0.139	0.221	205.258401	-10.105722	-816.01	-595.93

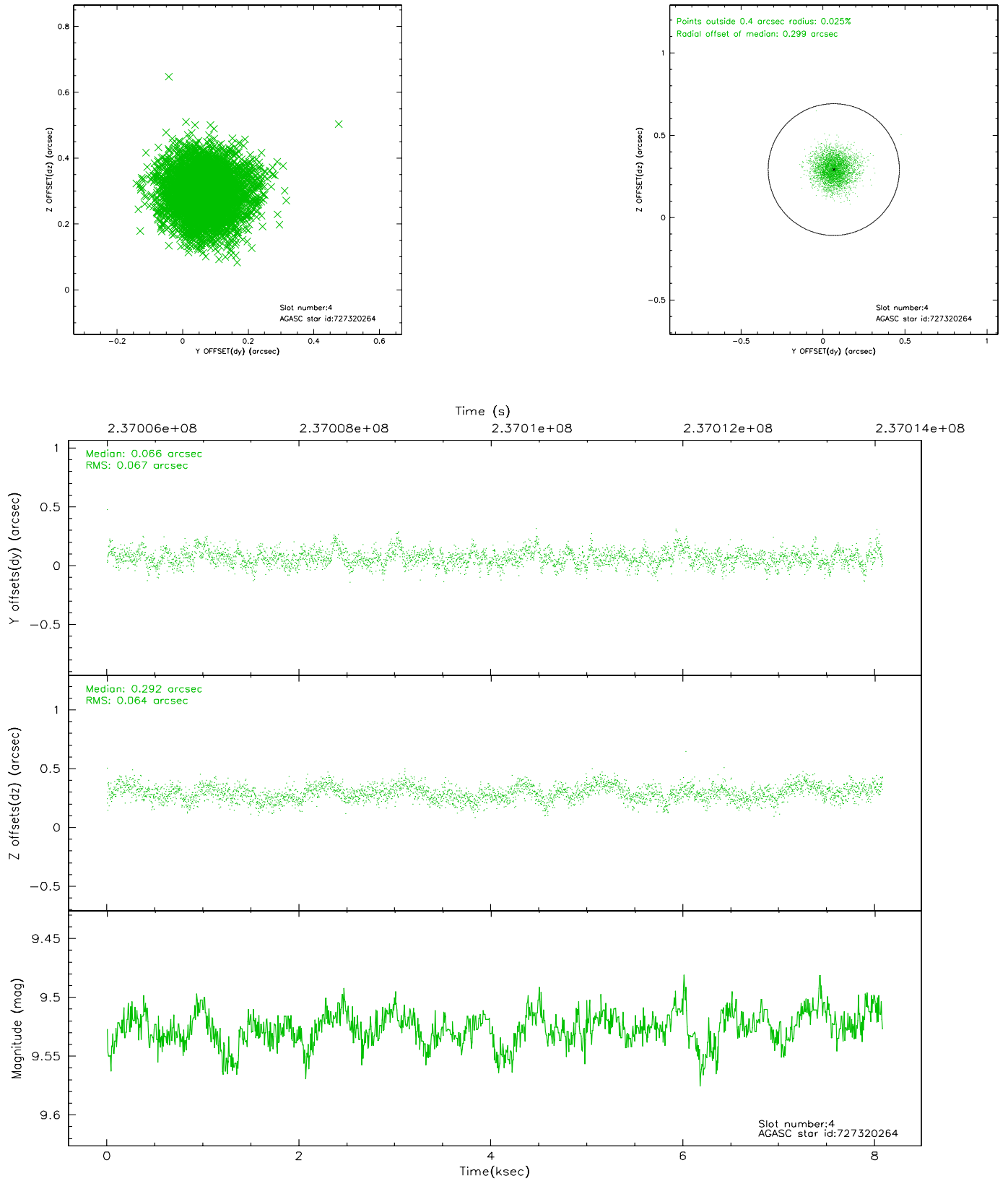


## 2.4 Star Slots

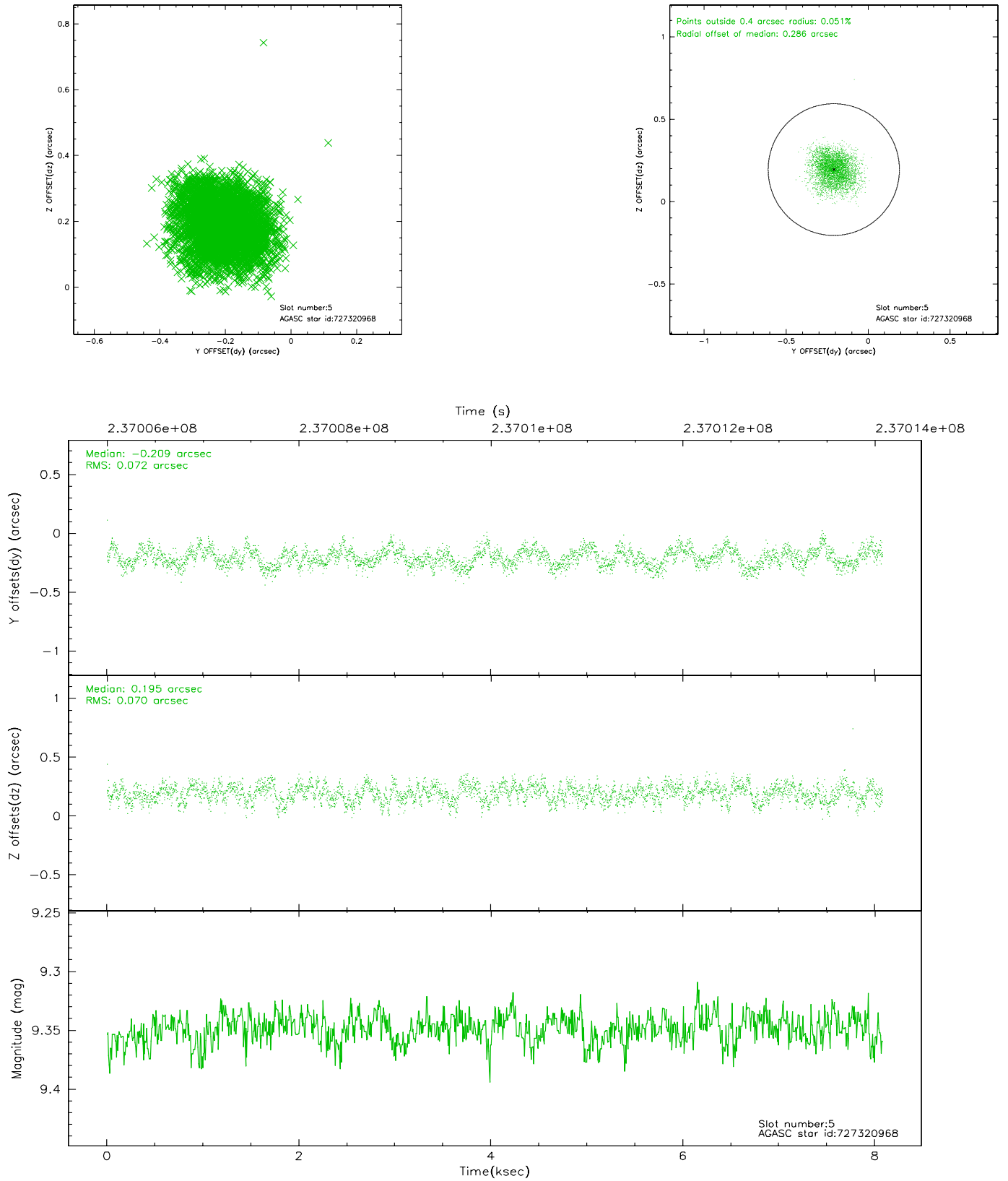
### 2.4.1 Slot 3



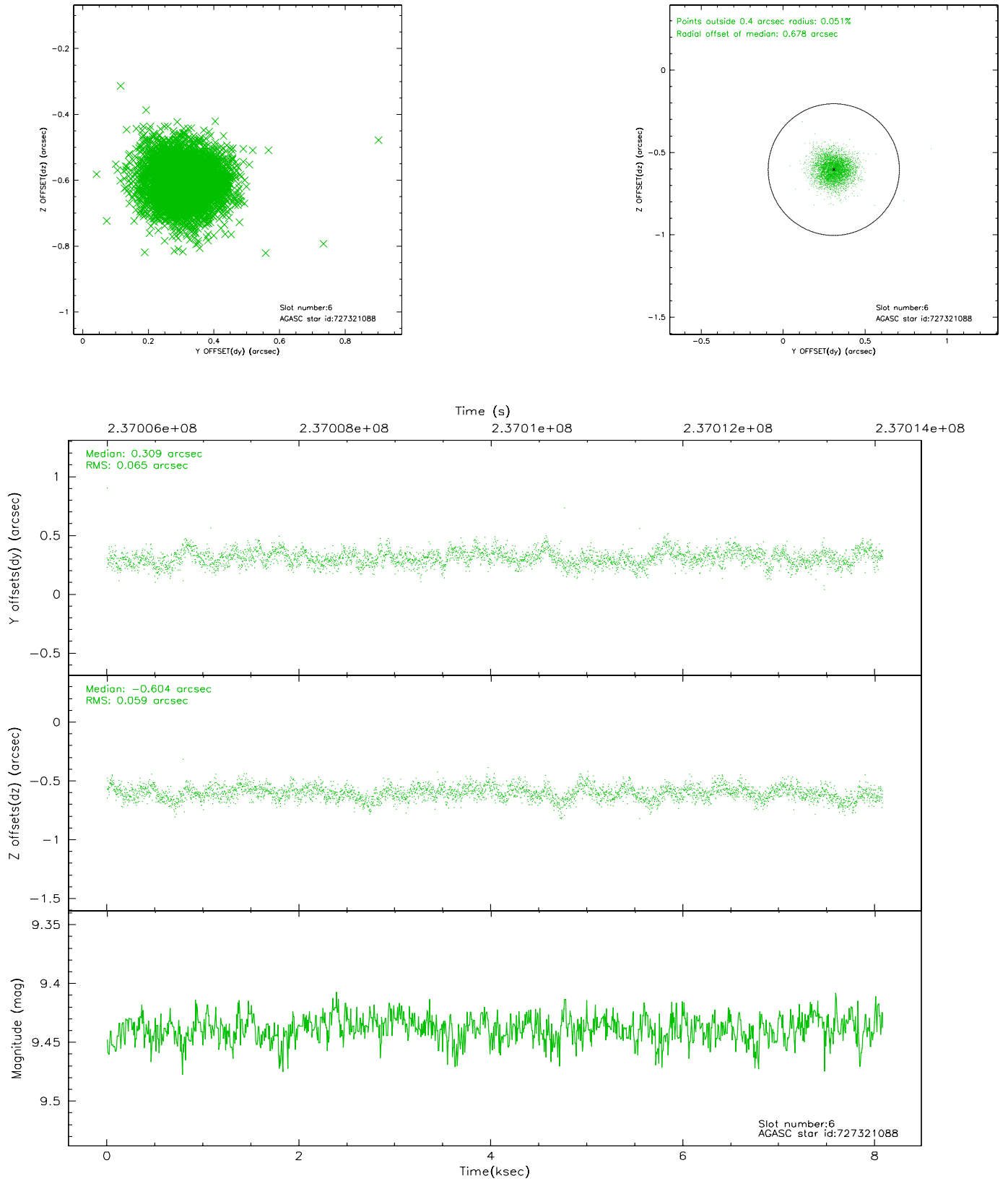
## 2.4.2 Slot 4



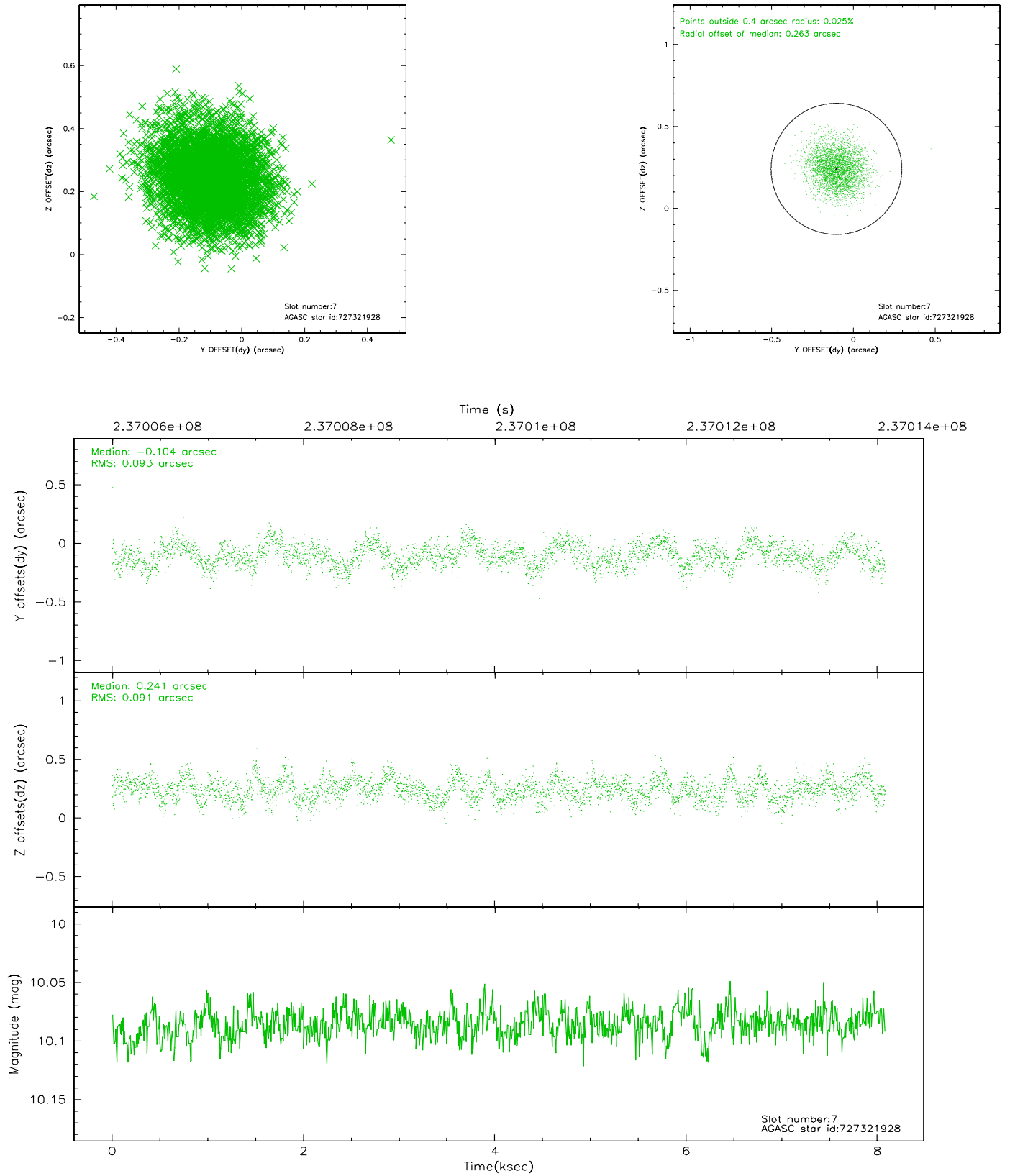
### 2.4.3 Slot 5



## 2.4.4 Slot 6

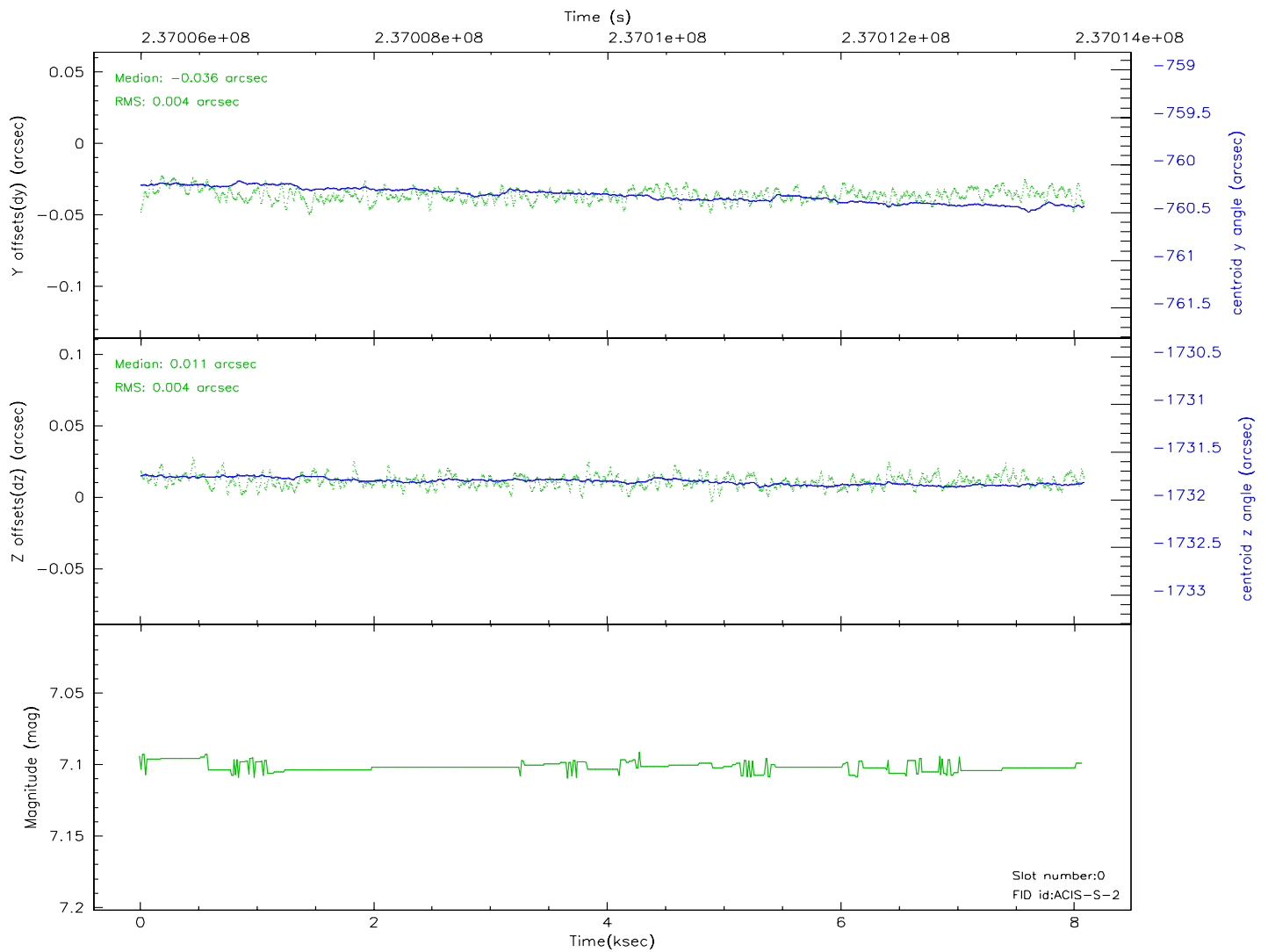
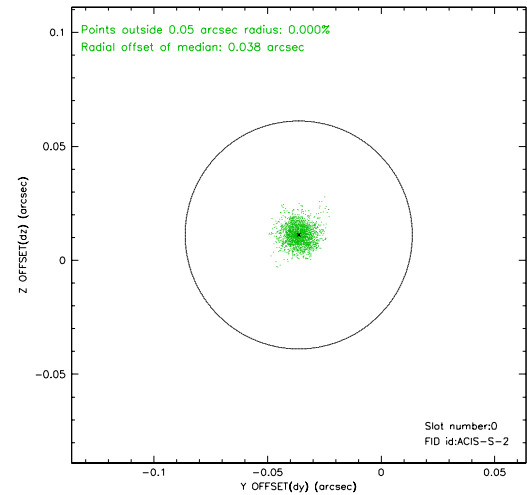
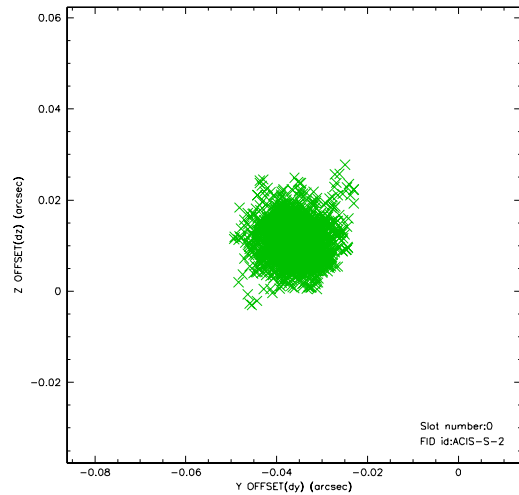


## 2.4.5 Slot 7

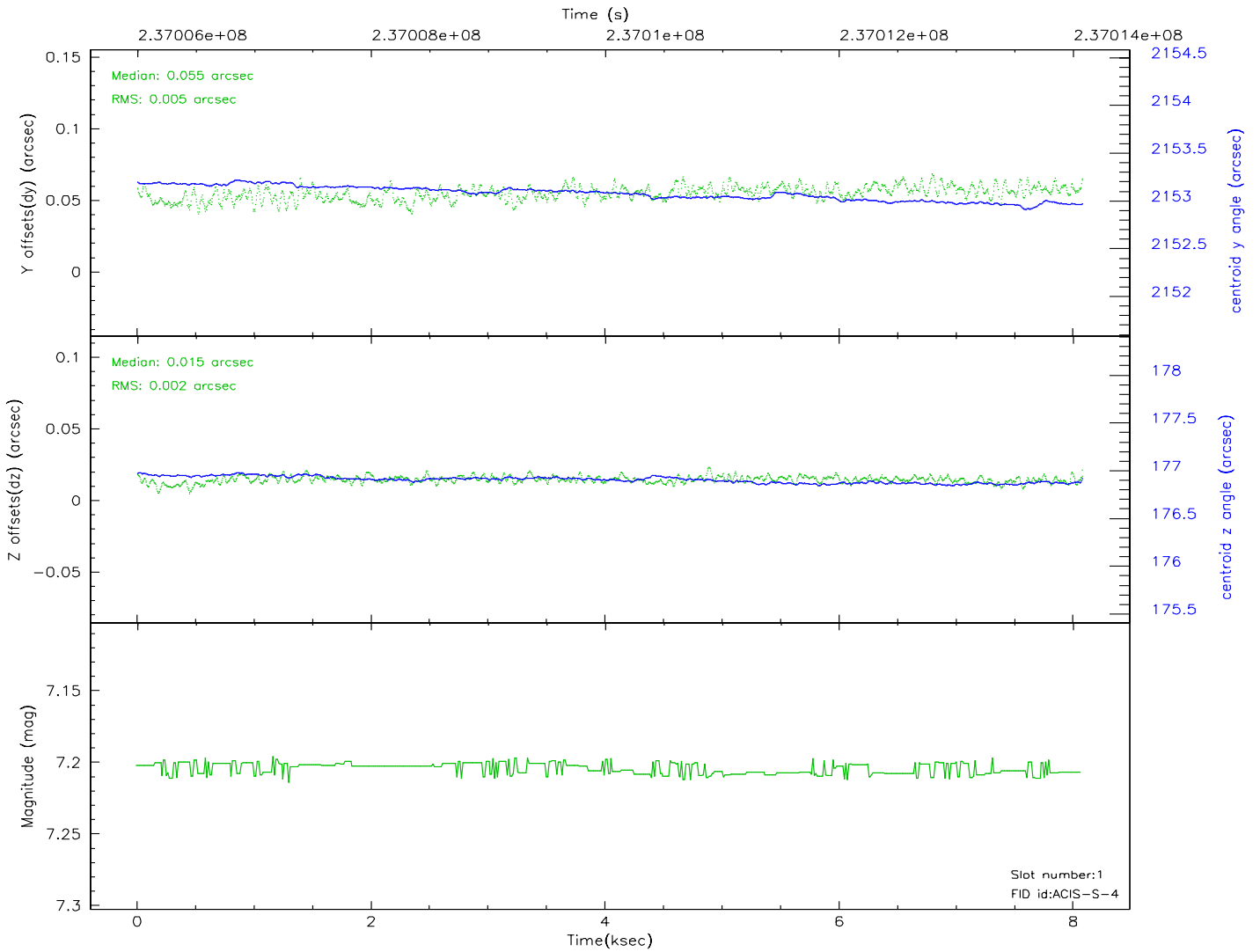
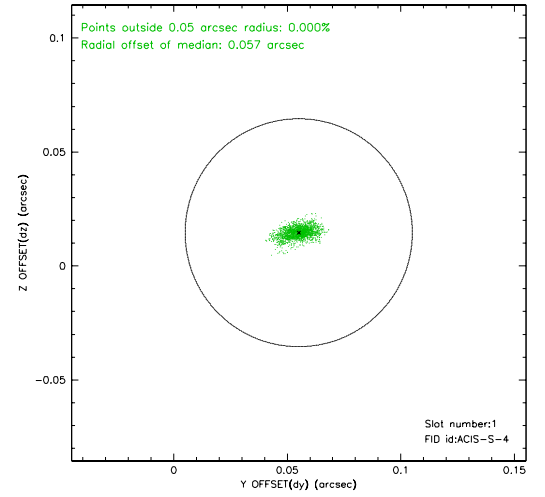
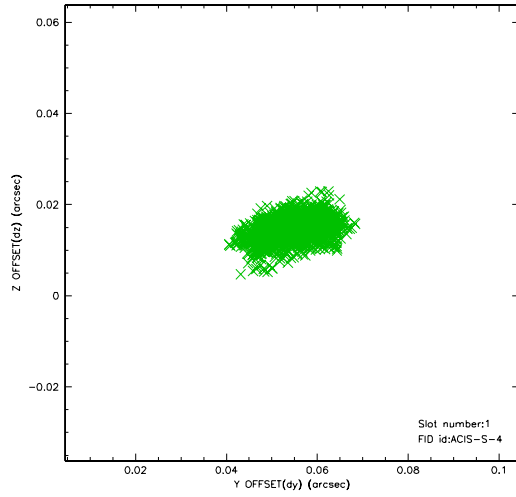


## 2.5 FID Slots

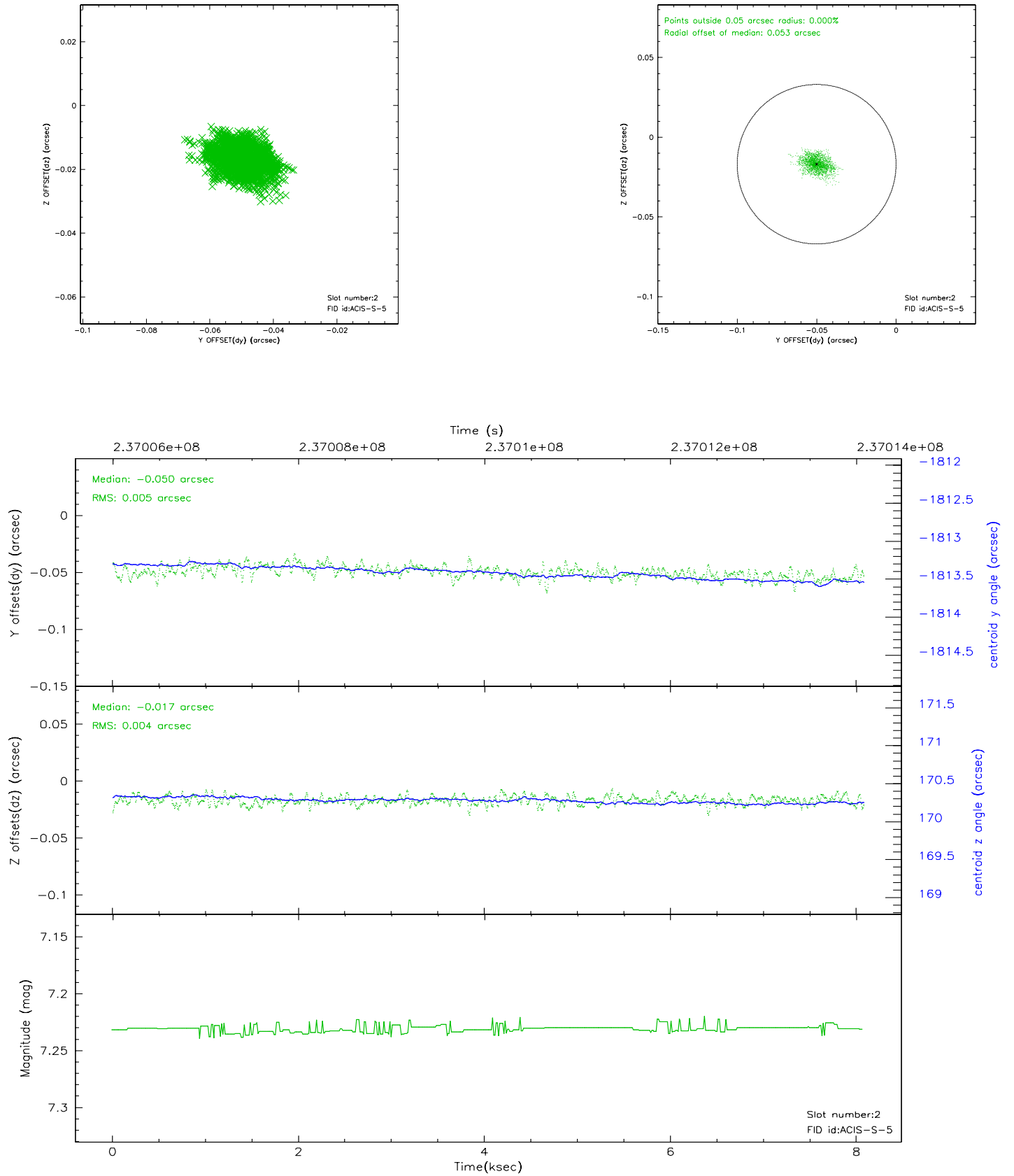
### 2.5.1 Slot 0



## 2.5.2 Slot 1

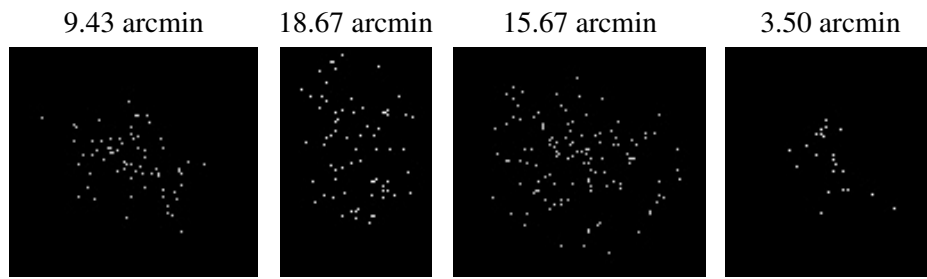


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.079999

### A.2 Comments

Window constraint met.