

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 789 - L2 Version 001  
Chandra X-Ray Center

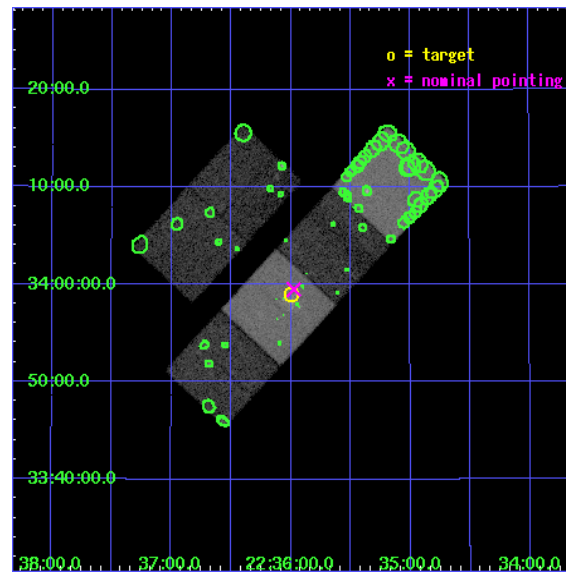
L2 Processing Date : May 30 2007

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# 1 Front

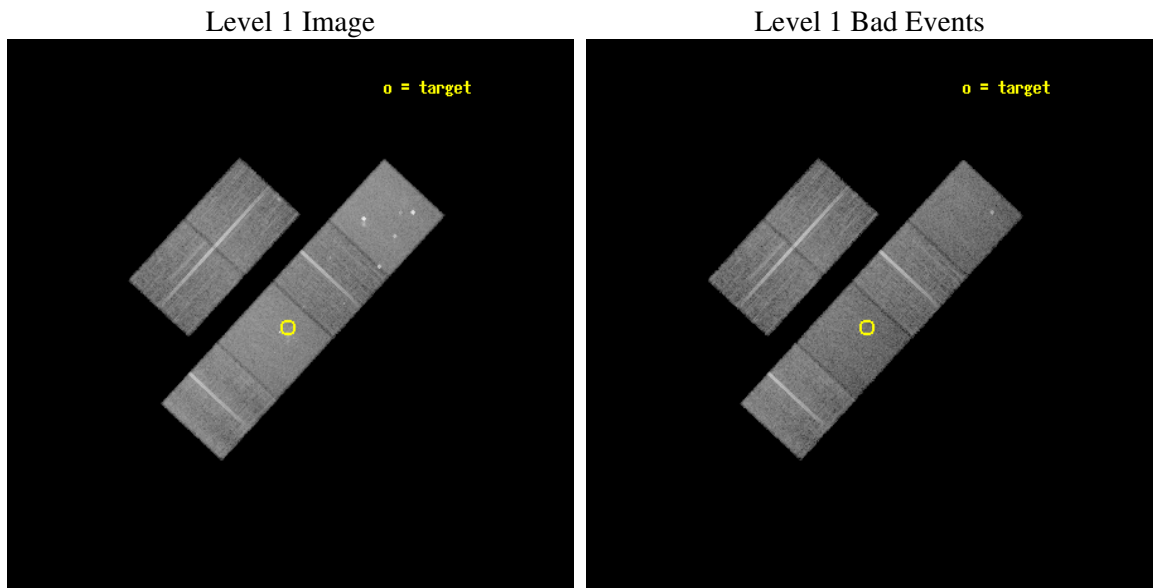
seq_num	600092
obs_id	789
title	RESOLVING THE X-RAY EMISSION IN STEPHAN'S QUINTET
observer	Dr. Ginevra Trinchieri
object	HCG 92
dtcycle	0
cycle	P
ra_targ	339.0
dec_targ	33.983333
ra_nom	338.99357677544
dec_nom	33.991741348583
roll_nom	132.6915900115
revision	3
ontime	19955.200018585
livetime	19702.515260371
ontime2	19955.200018585
ontime3	19955.200018585
ontime5	19955.200018585
ontime6	19955.200018585
ontime7	19955.200018585
ontime8	19955.200018585
l2events	211232



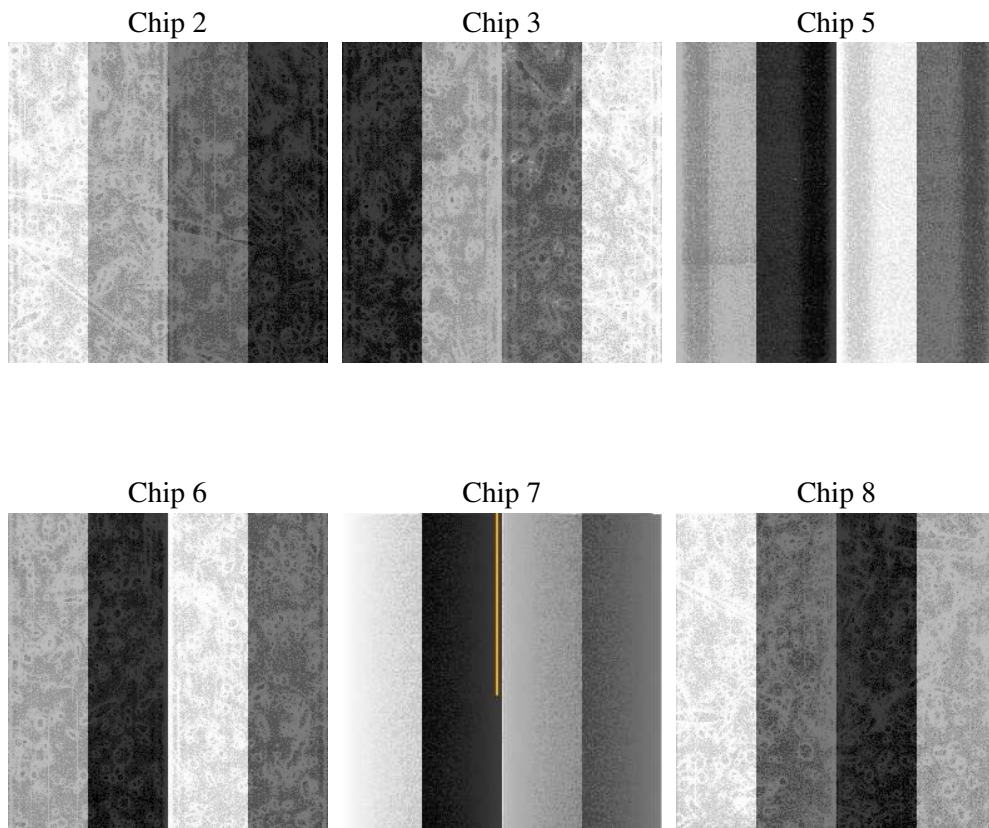
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-05-30T17:32:19
revision	3

sched_exp_time	20000.000000
ontime	19955.200018585
ontime2	19955.200018585
ontime3	19955.200018585
ontime5	19955.200018585
ontime6	19955.200018585
ontime7	19955.200018585
ontime8	19955.200018585
l1events	919256

### 2.1.4 Events

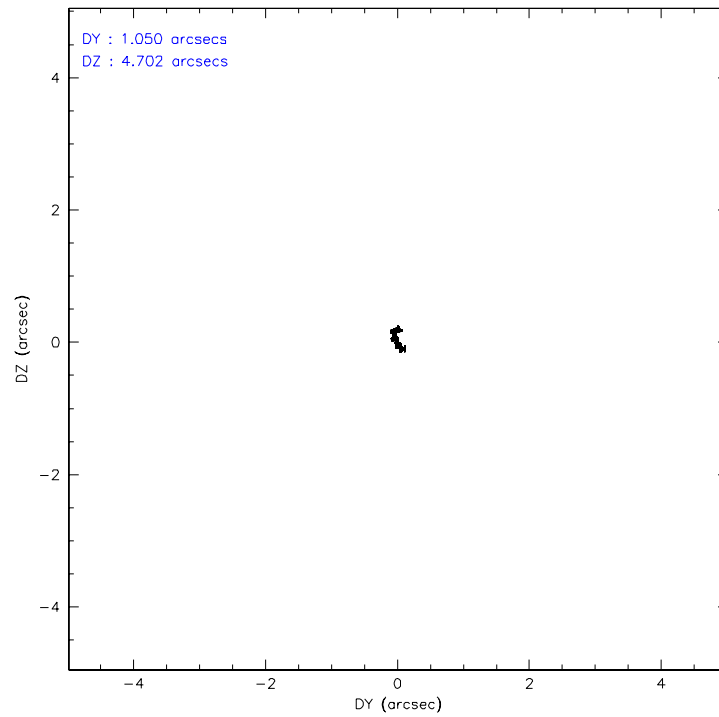
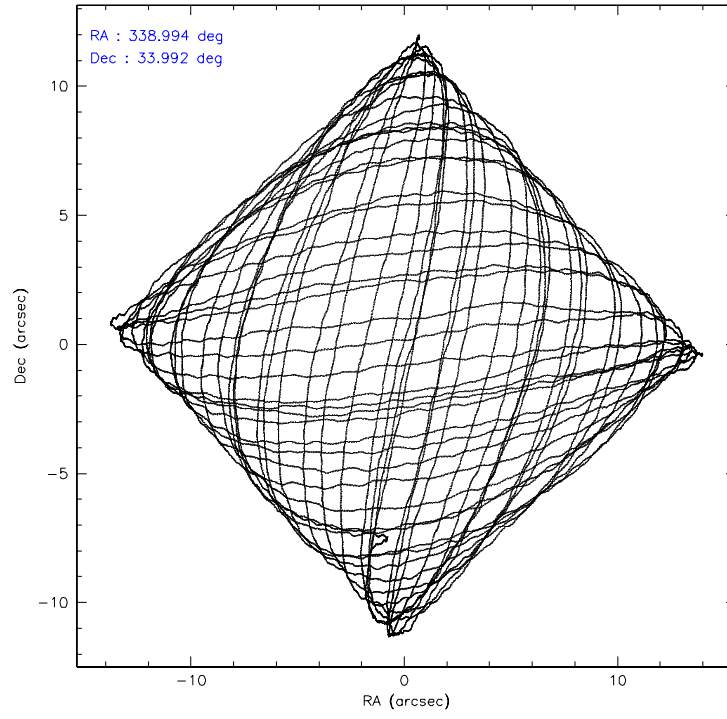
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	139824	132645	183219	134671	163479	165418
rejected events	123793	116888	93542	117383	89518	130608
rejected %	88%	88%	51%	87%	54%	78%

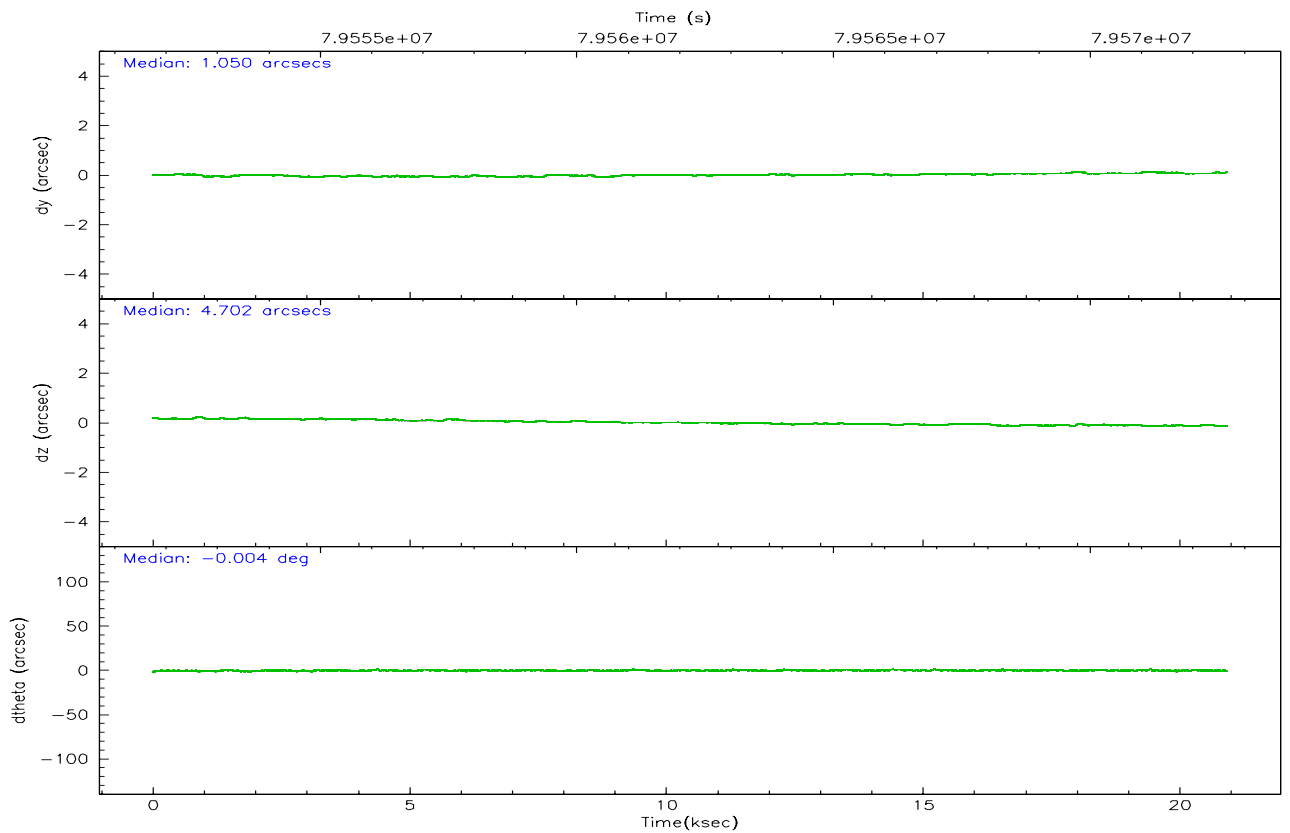
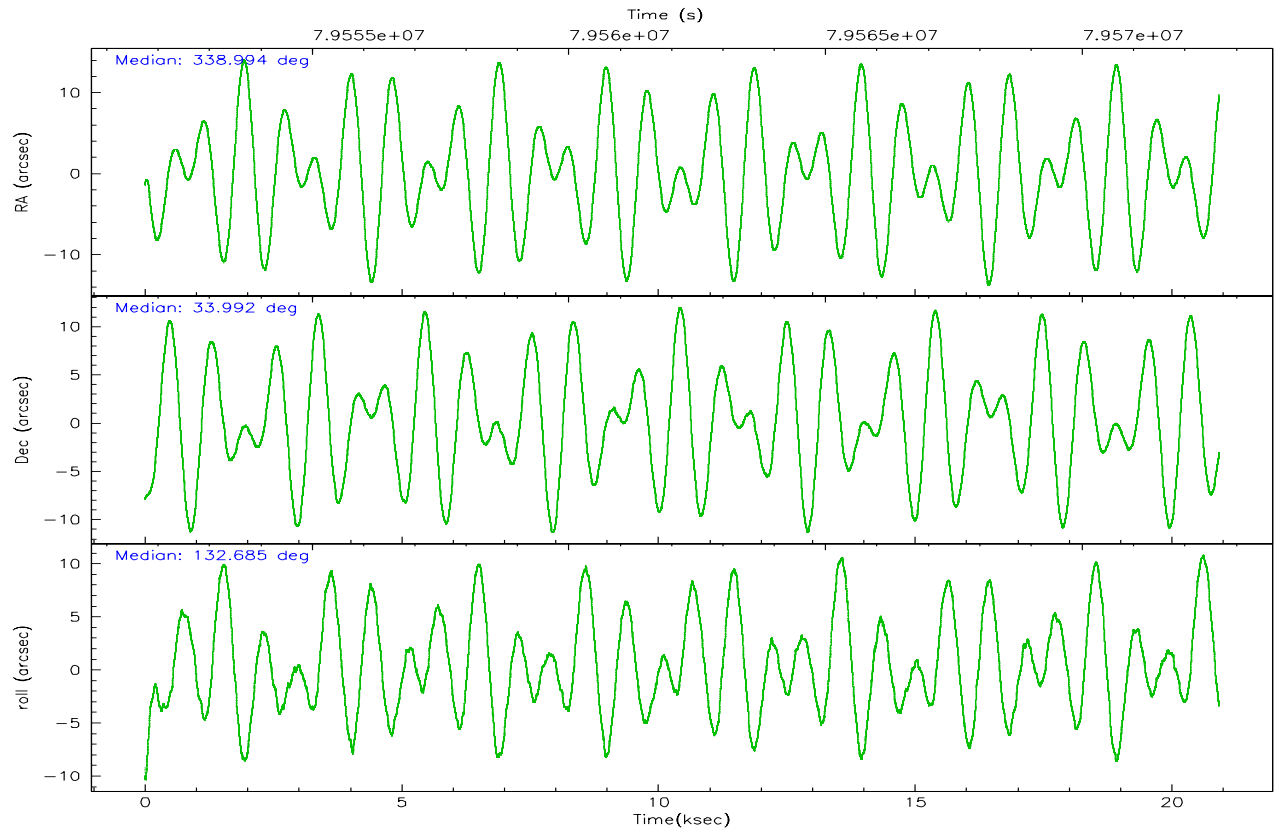
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	7105	7080	12932	7893	8305	12230
	5%	5%	7%	5%	5%	7%
grade 1 events	76	61	230	69	167	109
	0%	0%	0%	0%	0%	0%
grade 2 events	3624	3344	26236	3472	14698	7684
	2%	2%	14%	2%	8%	4%
grade 3 events	1343	1314	3974	1503	6773	3451
	0%	0%	2%	1%	4%	2%
grade 4 events	1406	1443	3809	1518	6822	3276
	1%	1%	2%	1%	4%	1%
grade 5 events	4223	4394	13808	5119	15048	6172
	3%	3%	7%	3%	9%	3%
grade 6 events	2553	2578	42743	2908	37374	8176
	1%	1%	23%	2%	22%	4%
grade 7 events	119494	112431	79487	112189	74292	124320
	85%	84%	43%	83%	45%	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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	339.025210	338.9935767754419	Subarray requested	NONE	NONE
Pointing Dec	33.983729	33.99174134858313	Alternating exposures requested	N	N
Pointing Roll	132.517277	132.6915900115026	Primary exposure time	3.200000	3.2
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	79552424.184000	79551217.742548			
Observation start date	2000-07-09T17:52:40	2000-07-09T17:33:37			
Observation end time	79572424.184000	79573401.305865			
Observation end date	2000-07-09T23:26:00	2000-07-09T23:43:21			
Read mode	TIMED	TIMED			

## 2.3 Aspect





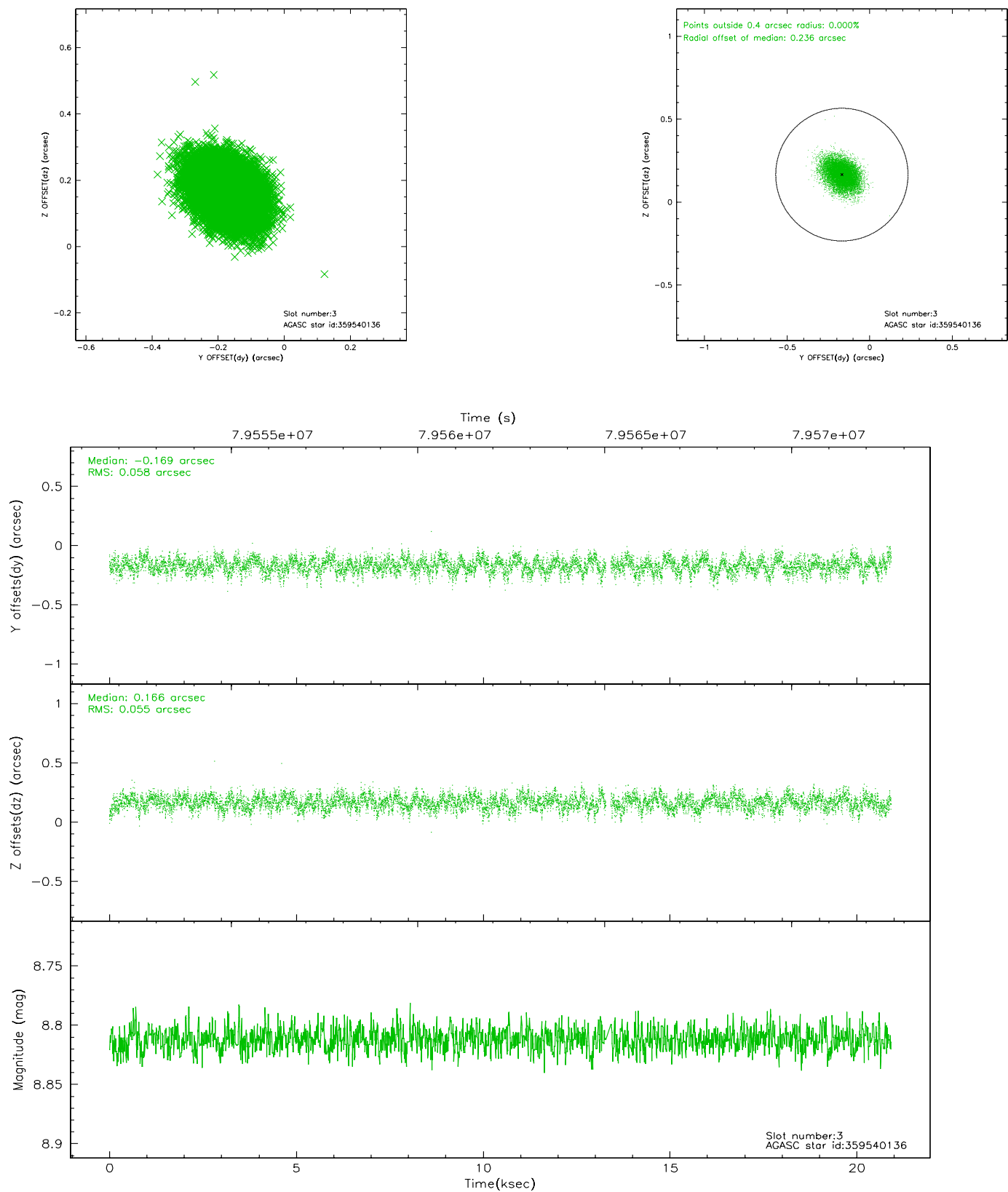
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	5101	0.015	0.082	0.008	0.013	0.000000	0.000000	942.37	-1721.39
1	FID	ACIS-S-2	7.11	5103	-0.010	-0.023	0.007	0.011	0.000000	0.000000	-753.46	-1726.19
2	FID	ACIS-S-4	7.20	5103	-0.030	-0.053	0.006	0.010	0.000000	0.000000	2159.52	182.44
3	GUIDE	359540136	8.81	10139	-0.169	0.166	0.085	0.138	339.014971	34.618247	1705.03	-1520.43
4	GUIDE	359538352	8.60	10206	0.047	-0.148	0.087	0.138	338.308674	33.941529	1340.57	1675.50
5	GUIDE	359013608	8.95	10202	0.085	-0.294	0.111	0.179	338.668767	33.432409	-737.10	2129.83
6	GUIDE	359663880	8.94	10206	0.178	0.098	0.218	0.305	339.815953	33.889479	-1839.35	-1517.88
7	GUIDE	359547944	9.38	10204	-0.122	0.176	0.102	0.159	338.858049	34.436167	1536.81	-734.36

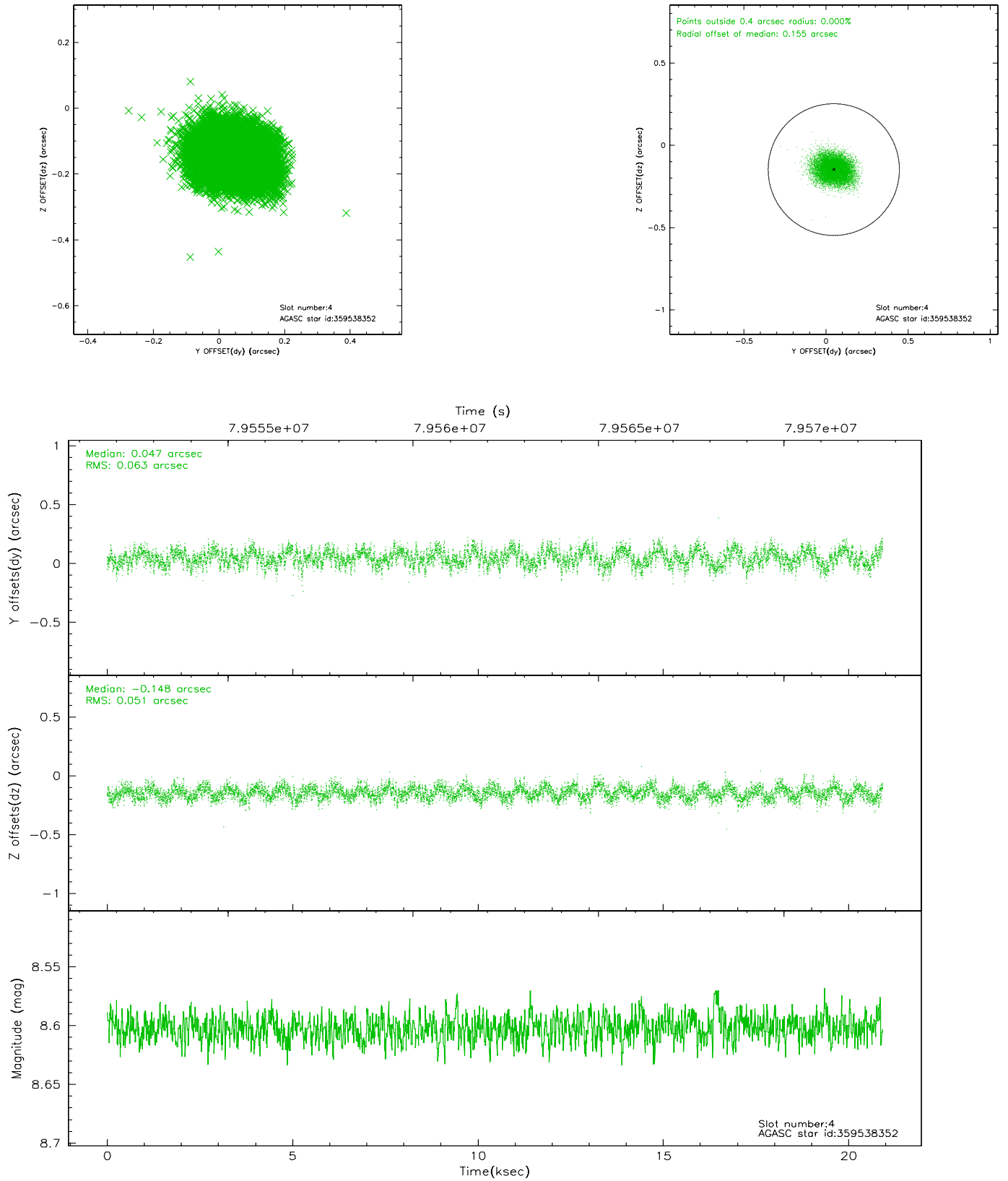


## 2.4 Star Slots

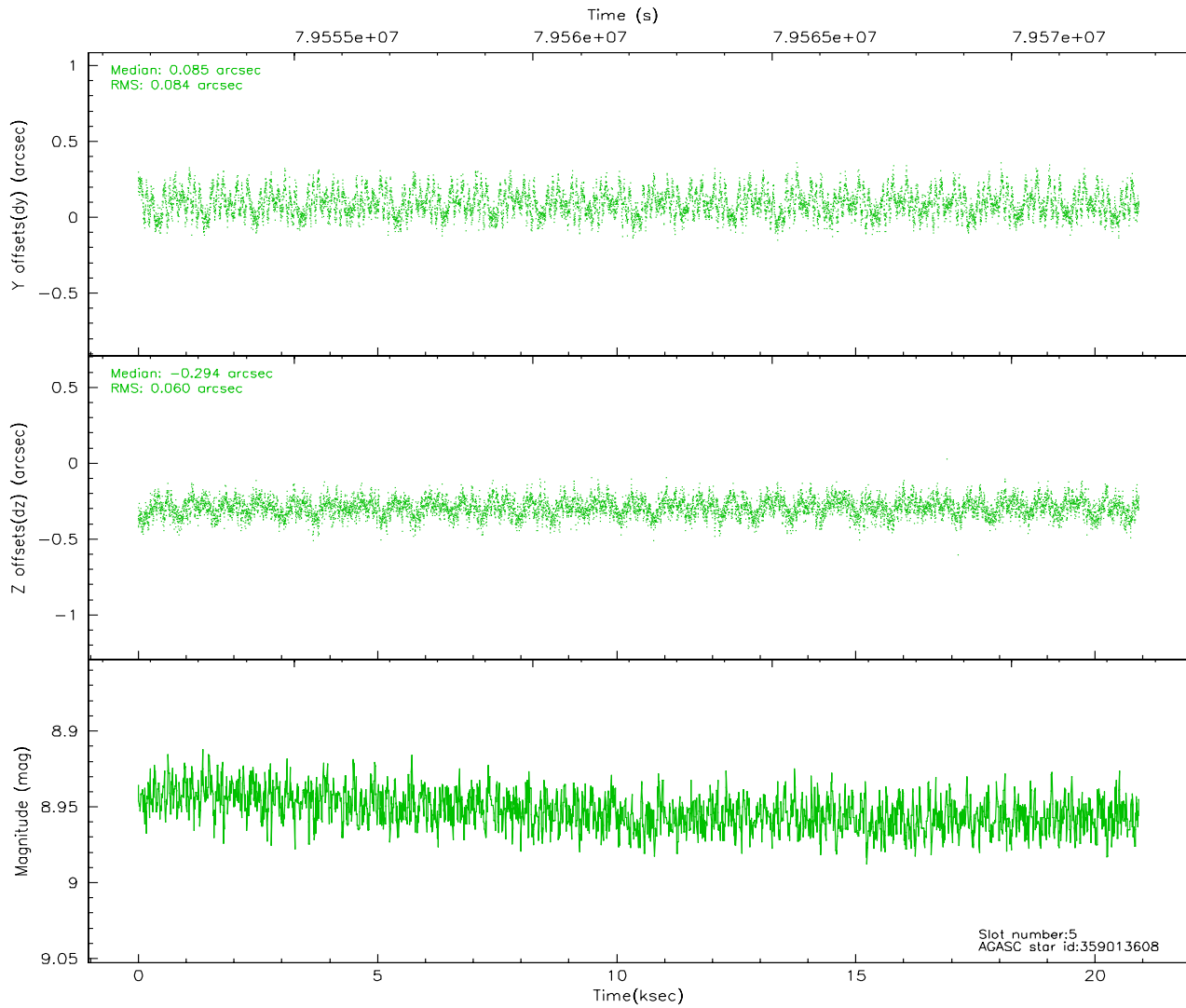
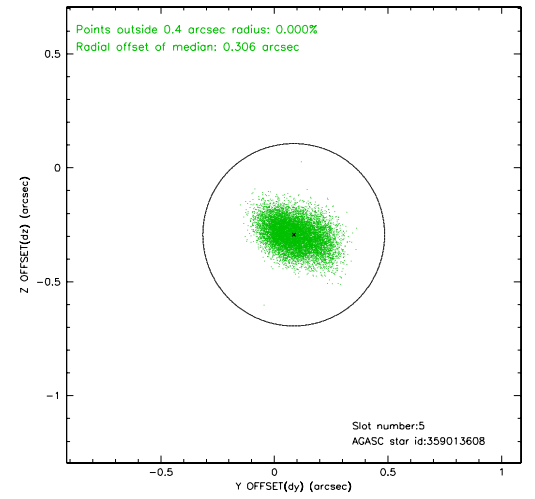
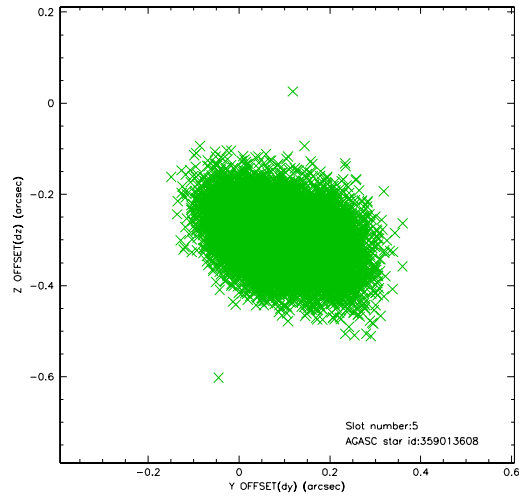
### 2.4.1 Slot 3



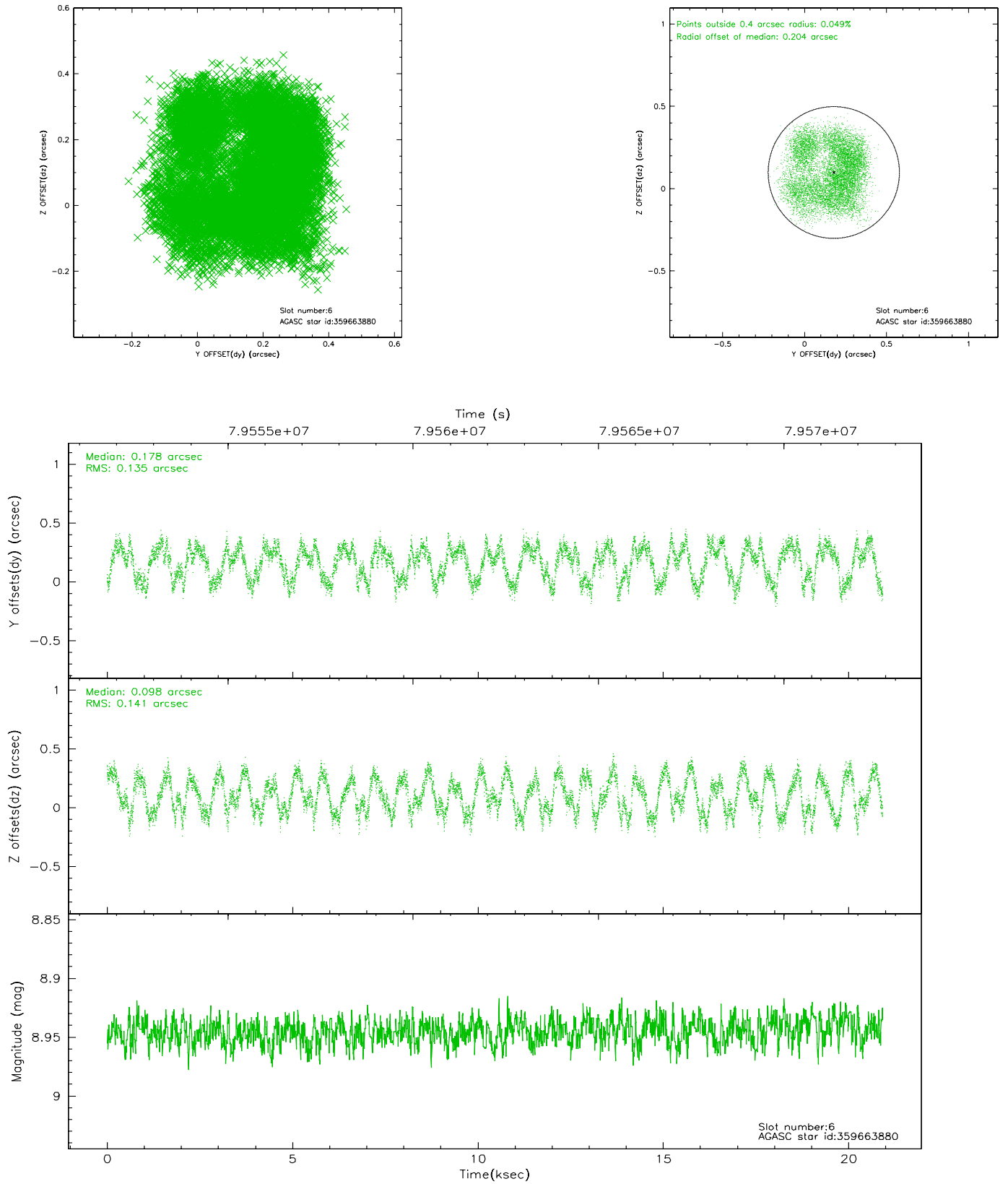
## 2.4.2 Slot 4



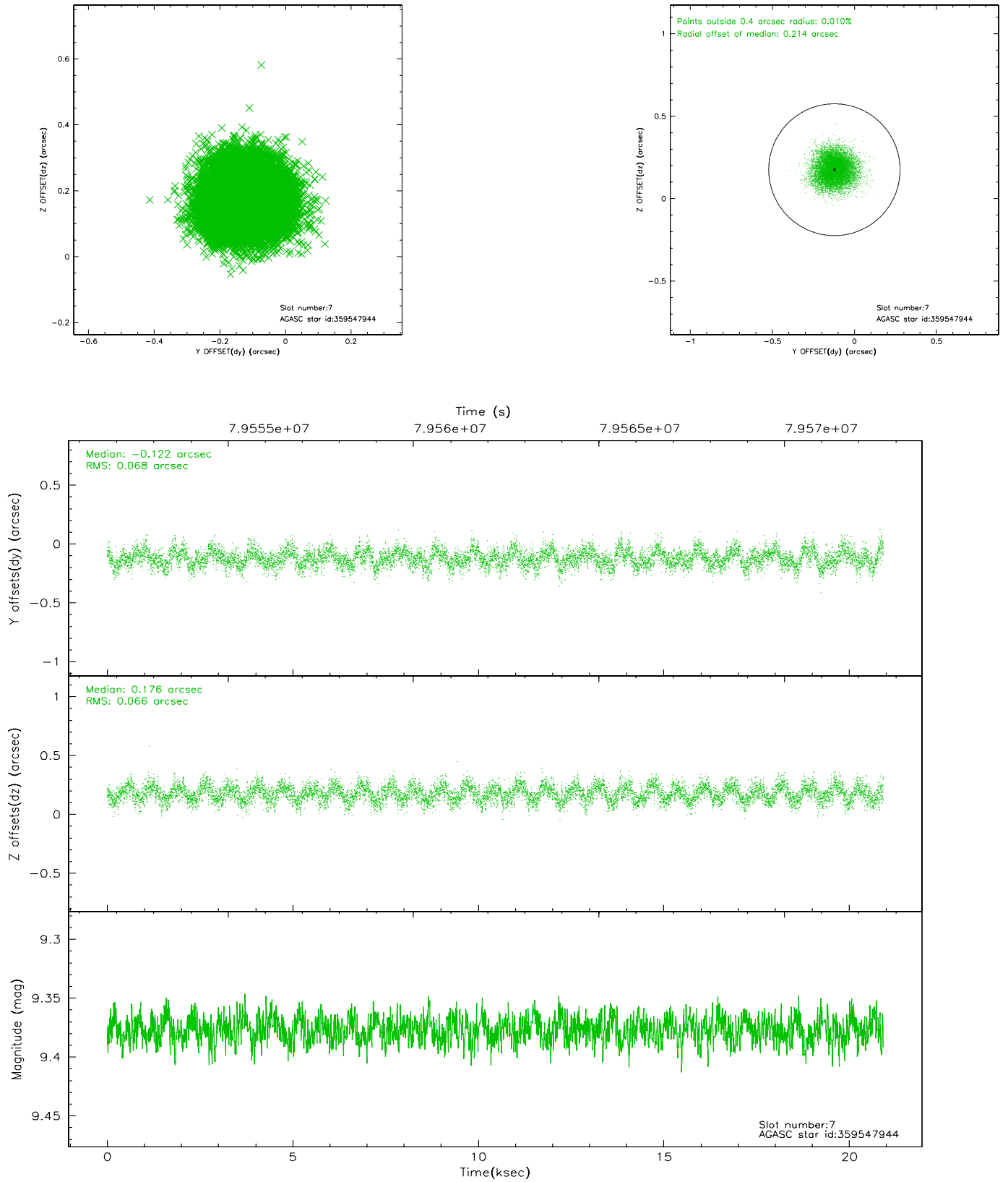
### 2.4.3 Slot 5



## 2.4.4 Slot 6

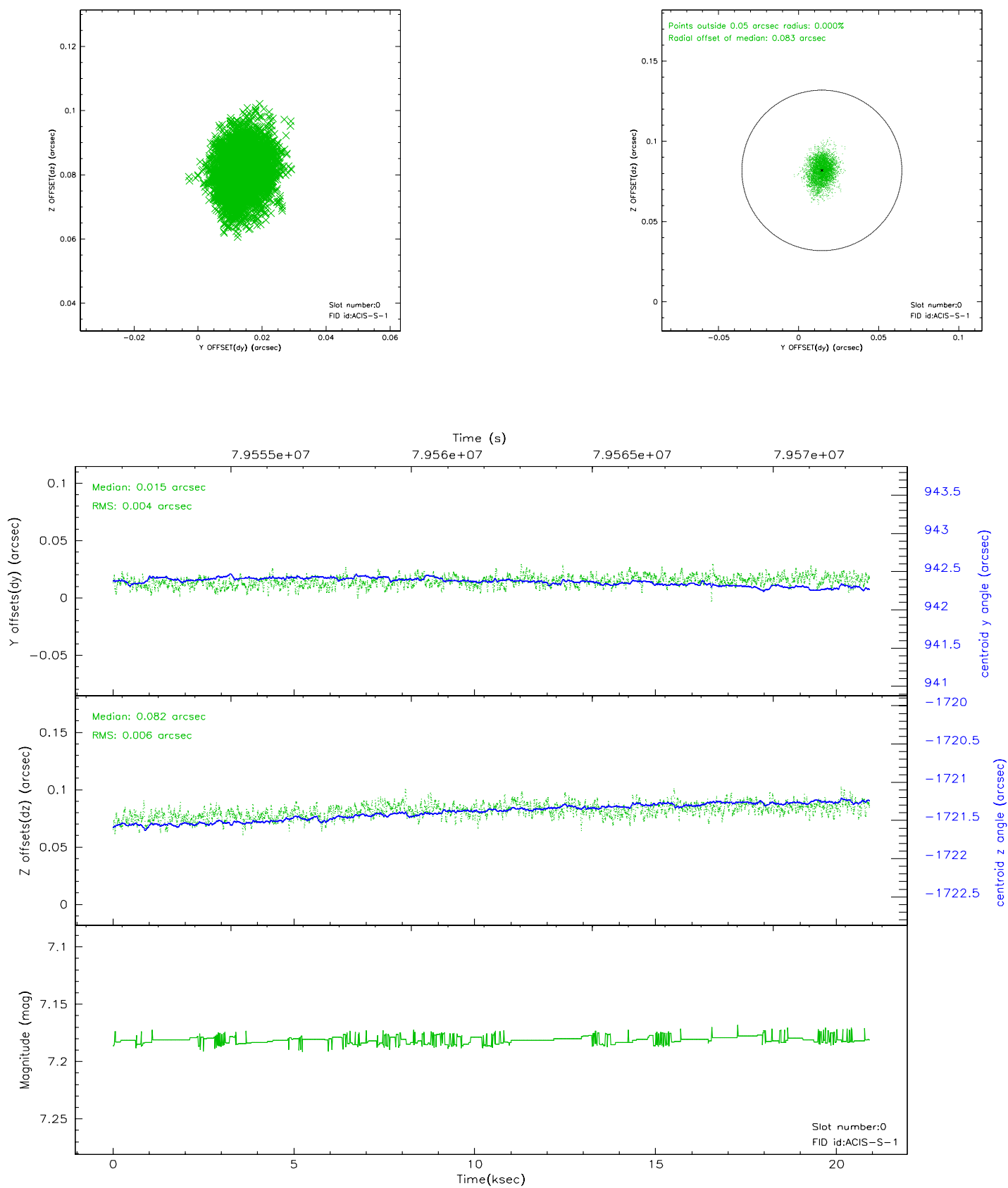


## 2.4.5 Slot 7

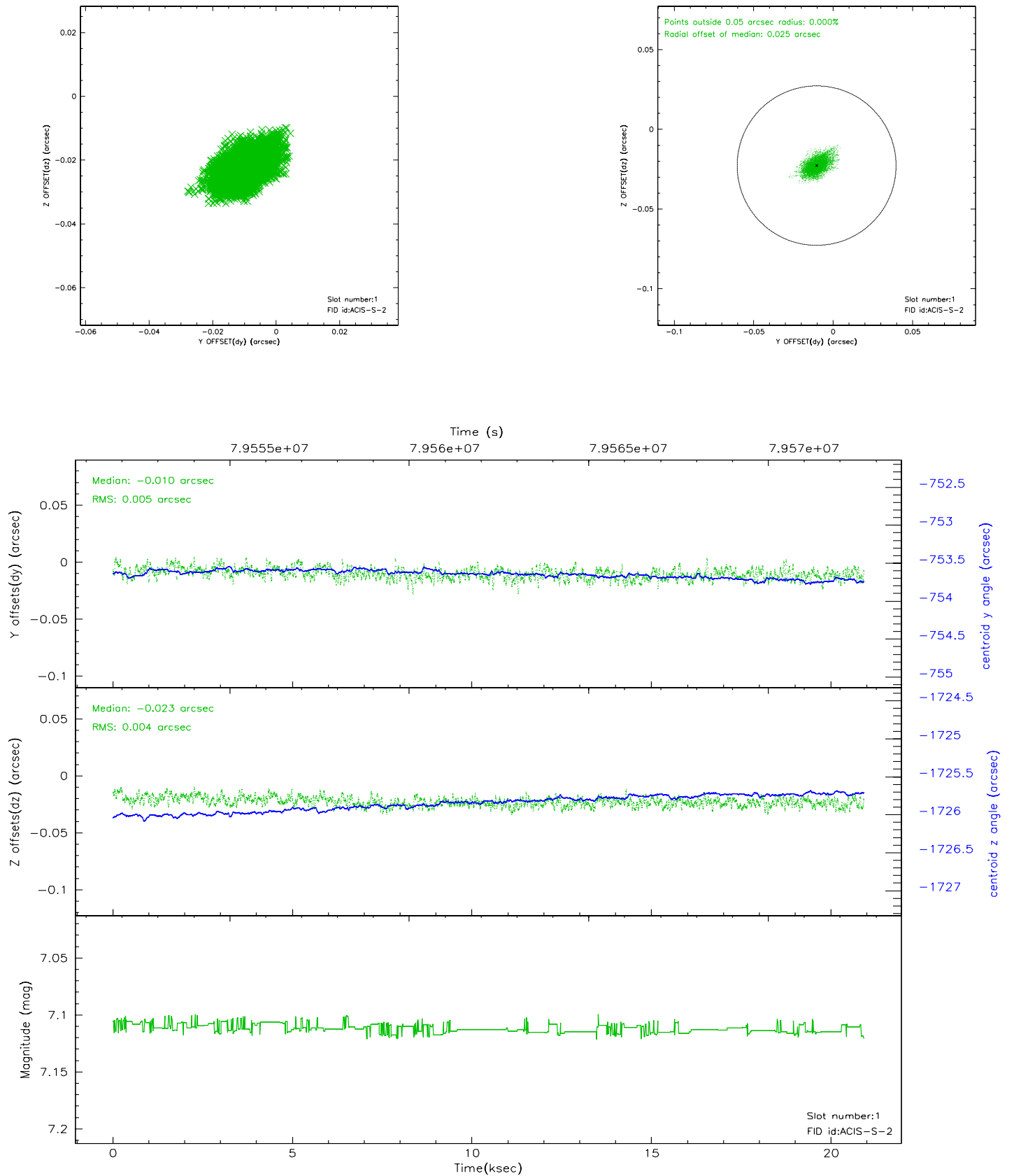


## 2.5 FID Slots

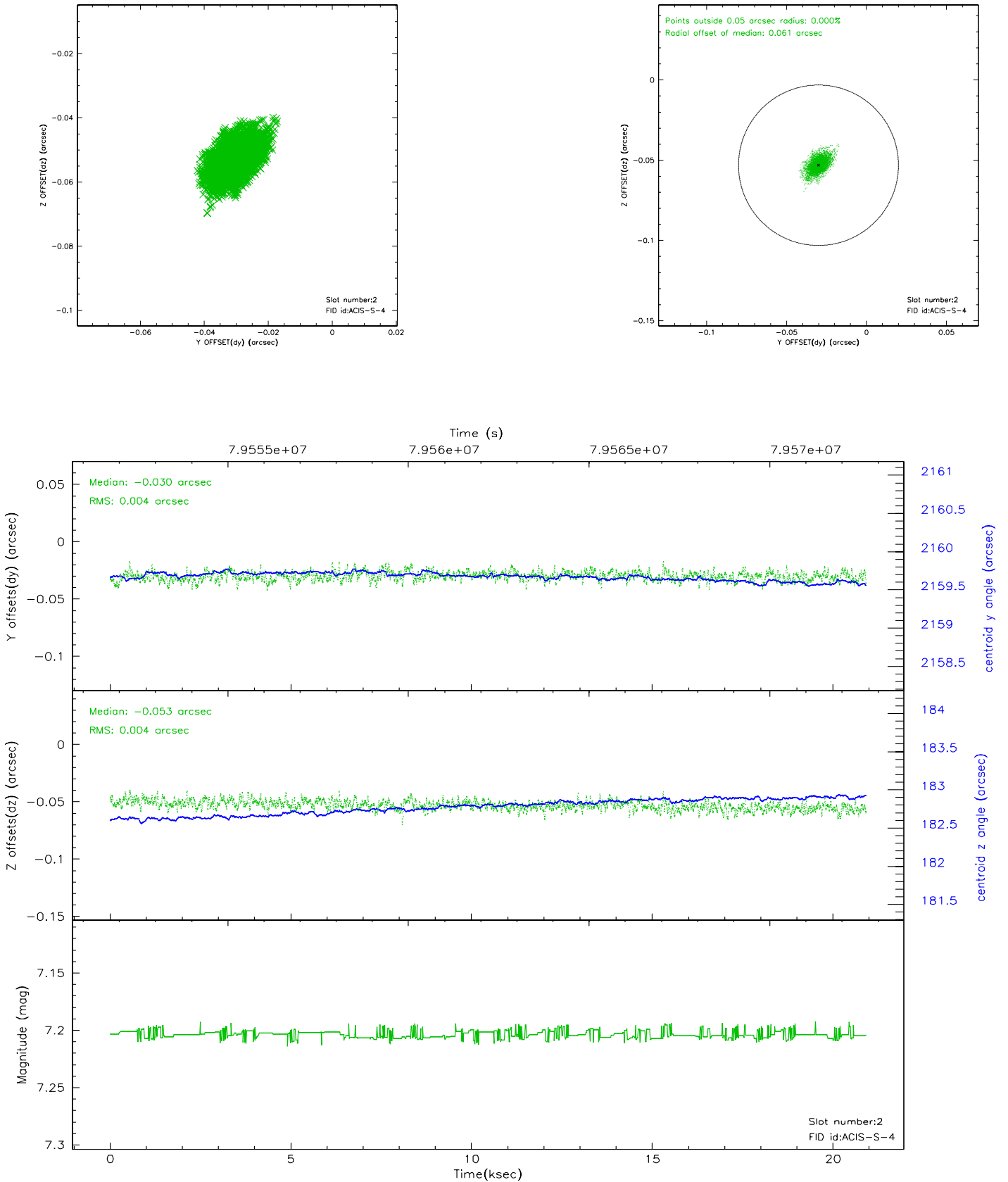
### 2.5.1 Slot 0



## 2.5.2 Slot 1

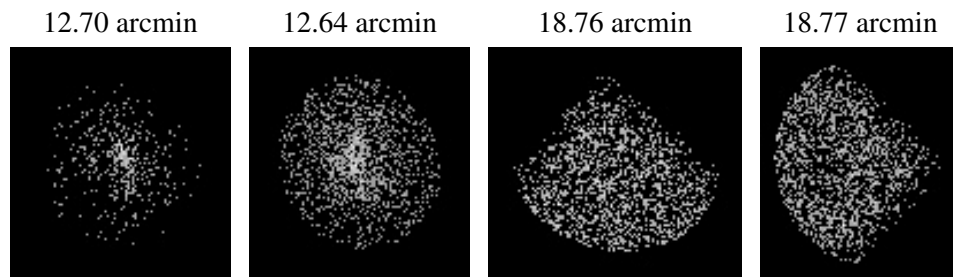


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.05.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.958

### A.2 Comments