

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1981 - L2 Version 001  
Chandra X-Ray Center

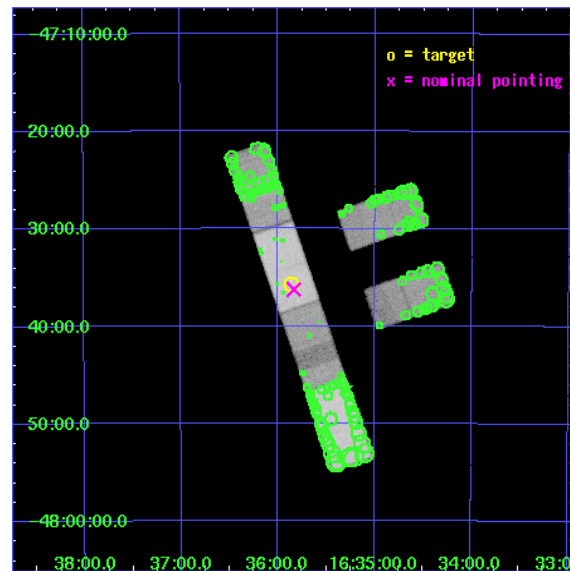
L2 Processing Date : Jan 5 2007

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# 1 Front

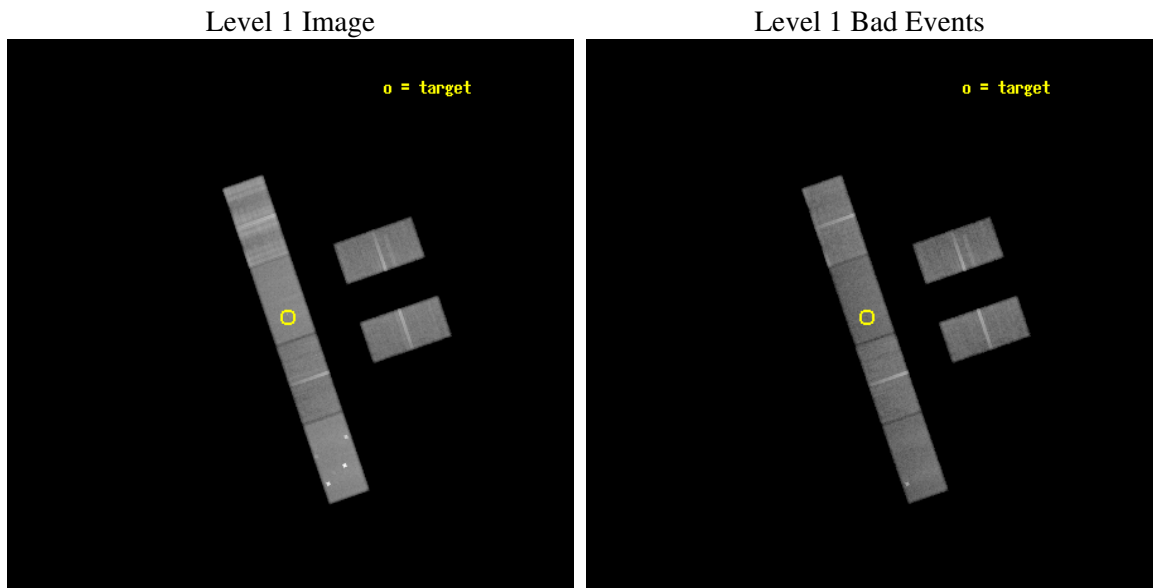
seq_num	500158
obs_id	1981
title	A STUDY OF THE SOFT GAMMA REPEATER SGR 1627-41 IN QUIESCENCE
observer	Dr Chryssa Kouveliotou
object	SGR 1627-41
dtcycle	0
cycle	P
ra_targ	248.965833
dec_targ	-47.595556
ra_nom	248.95879544709
dec_nom	-47.604062992347
roll_nom	251.03848285687
revision	2
ontime	50045.399917141
livetime	48929.800466505
ontime2	50045.399917141
ontime3	50045.399917141
ontime5	50045.399917141
ontime6	50043.558907047
ontime7	50045.399917141
ontime8	50045.399917141
l2events	435733



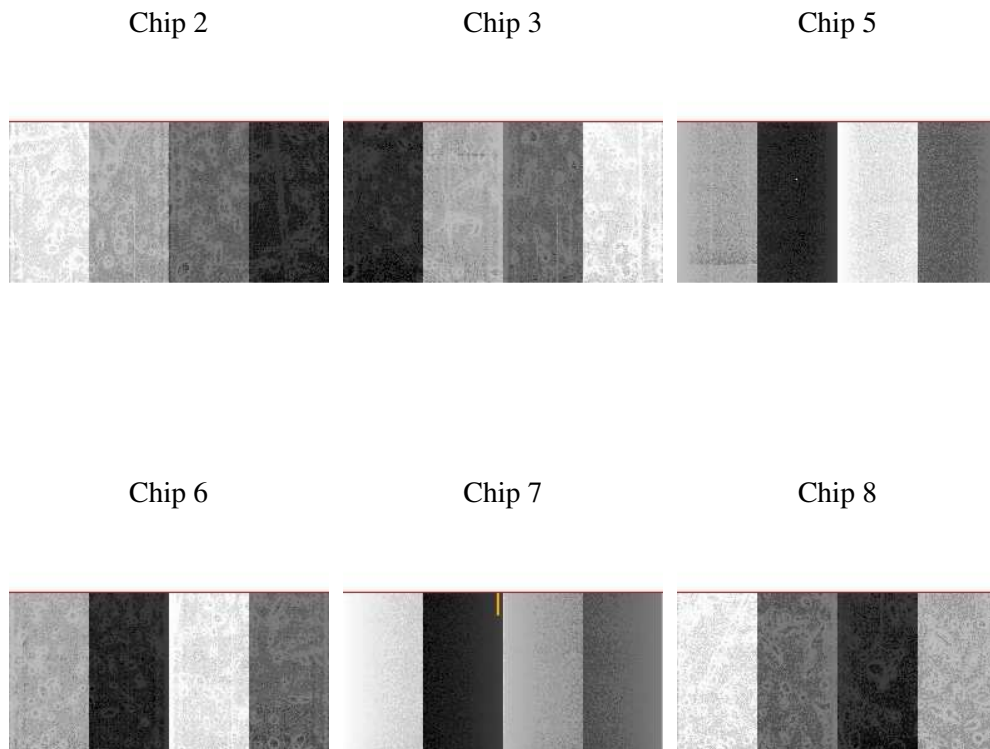
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	3
ascdsver	7.6.9
caldsver	3.2.4
date	2007-01-05T10:28:50
revision	2

sched_exp_time	50000.000000
ontime	50248.693293691
ontime2	50248.693293691
ontime3	50248.693293691
ontime5	50248.693293691
ontime6	50246.85225369
ontime7	50248.693293691
ontime8	50248.693263784
l1events	1503770

### 2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	201626	193325	308449	201660	253793	344917
rejected events	156978	149955	132023	153957	123791	181413
rejected %	77%	77%	42%	76%	48%	52%

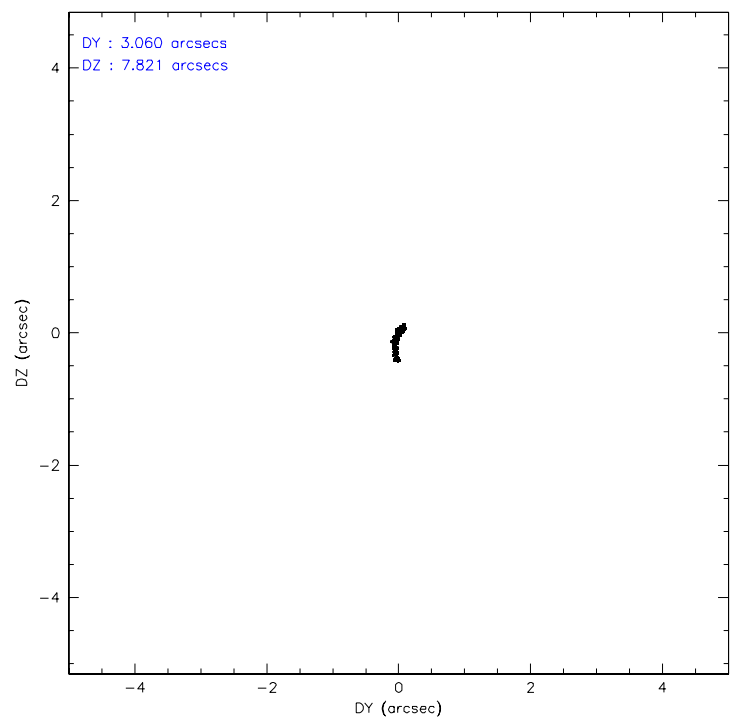
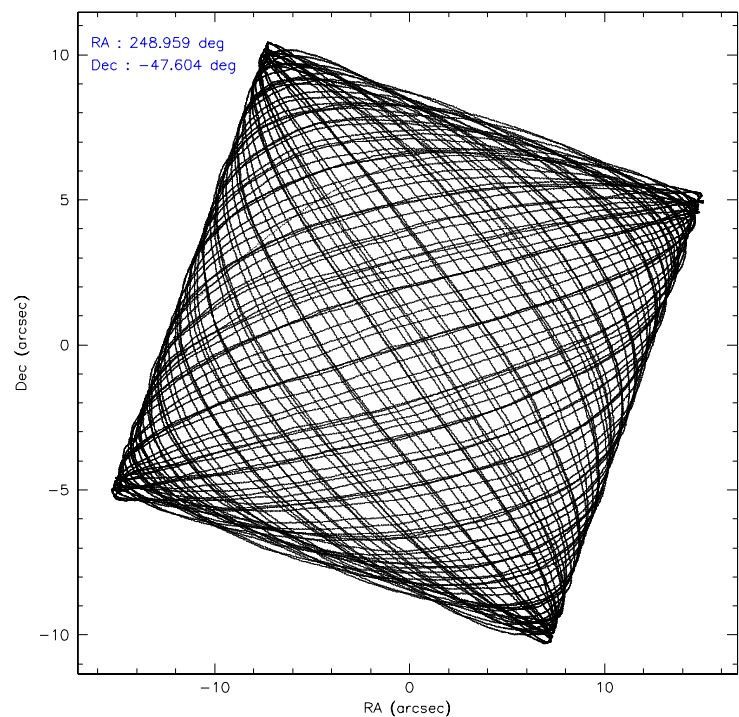
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	21515	19307	40487	22570	11238	62855
	10%	9%	13%	11%	4%	18%
grade 1 events	88	84	262	108	168	366
	0%	0%	0%	0%	0%	0%
grade 2 events	10132	11249	52579	12015	32851	24982
	5%	5%	17%	5%	12%	7%
grade 3 events	2647	2544	5876	2796	8323	25290
	1%	1%	1%	1%	3%	7%
grade 4 events	2956	2571	5202	2723	8433	22500
	1%	1%	1%	1%	3%	6%
grade 5 events	5328	5779	12112	6419	14778	8690
	2%	2%	3%	3%	5%	2%
grade 6 events	7605	7901	73160	7842	69809	28850
	3%	4%	23%	3%	27%	8%
grade 7 events	151355	143890	118771	147187	108193	171384
	75%	74%	38%	72%	42%	49%

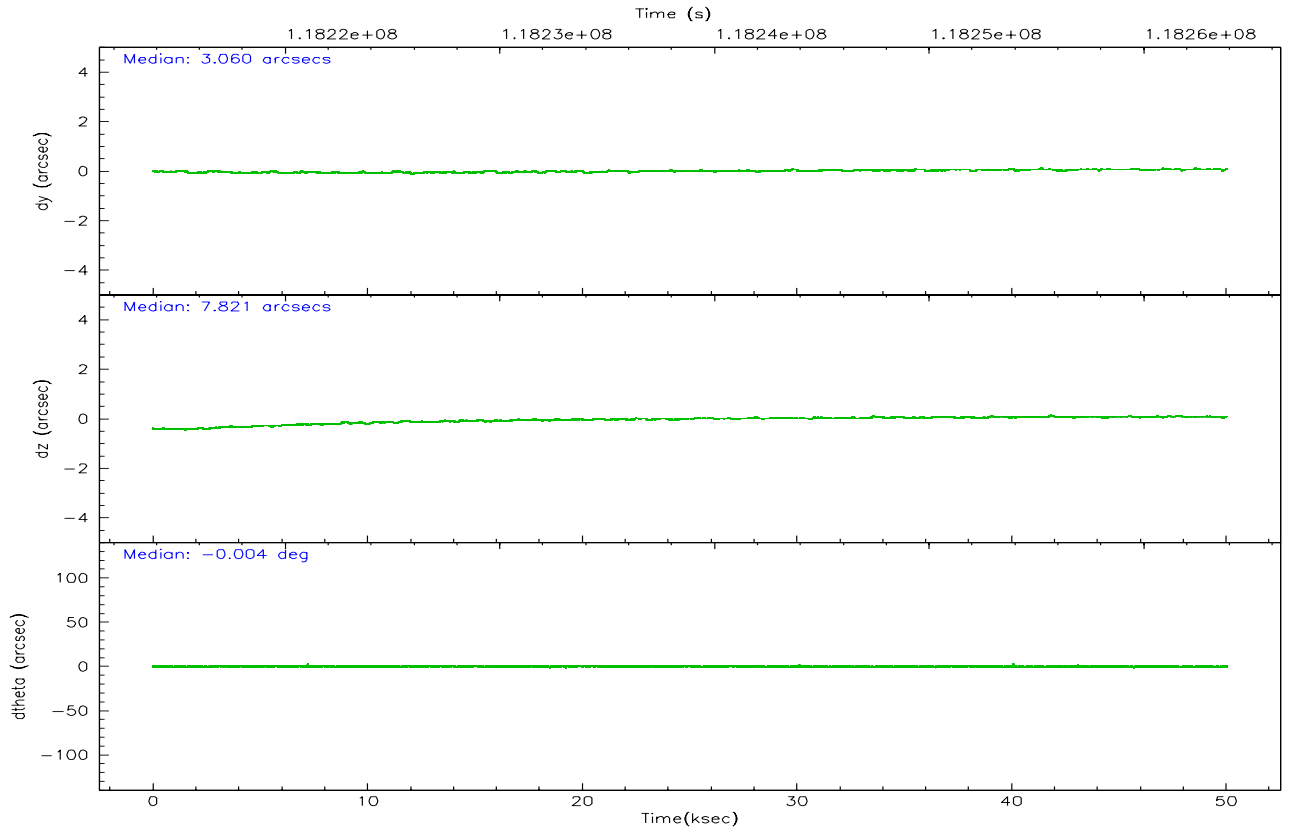
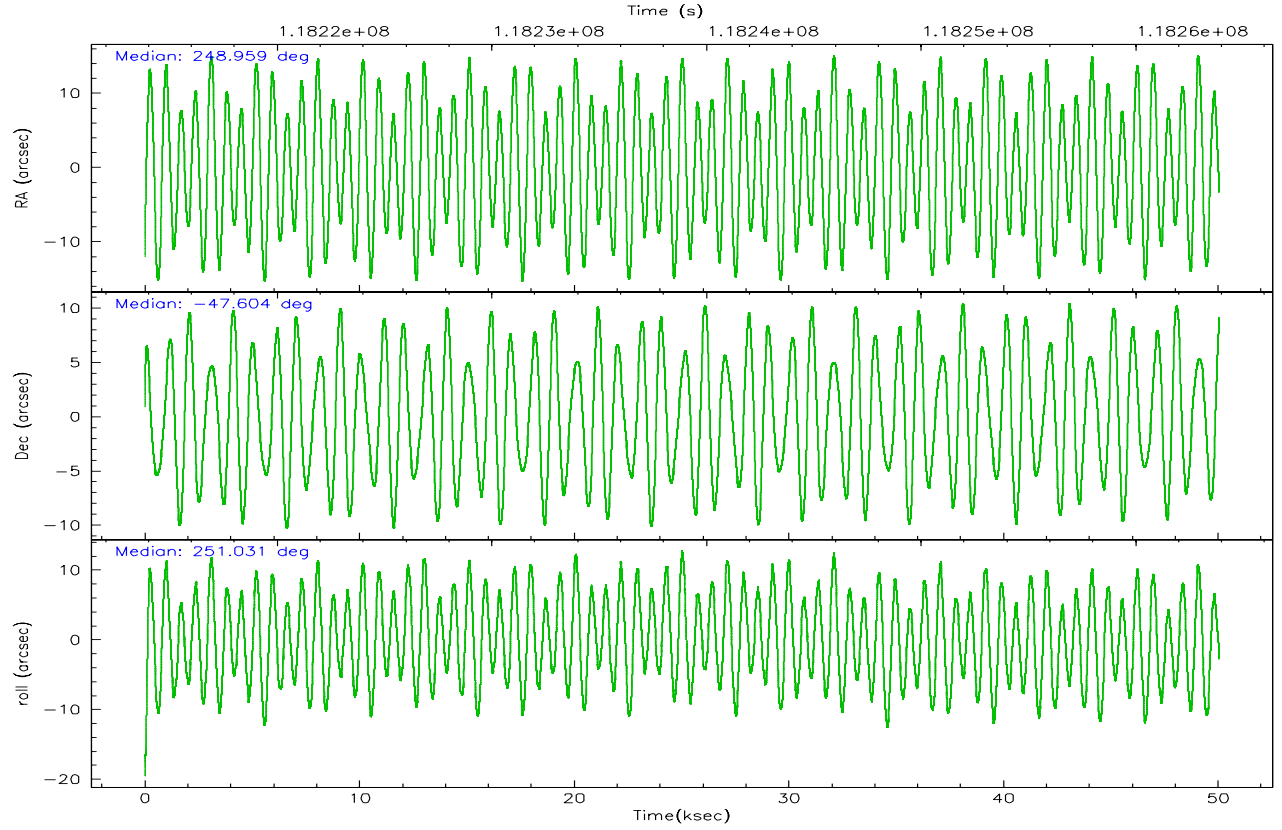


## 2.2 Compared Parameters

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	248.950603	248.9587954470907	Subarray requested	1/2	1/2
Pointing Dec	-47.577364	-47.60406299234655	Subarray start row	0	257
Pointing Roll	250.875807	251.038482856869	Subarray row count	1024	512
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	1.8
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	118213889.184000	118212939.00448			
Observation start date	2001-09-30T05:10:25	2001-09-30T04:55:39			
Observation end time	118263889.184000	118264600.54403			
Observation end date	2001-09-30T19:03:45	2001-09-30T19:16:40			
Read mode	TIMED	TIMED			

## 2.3 Aspect



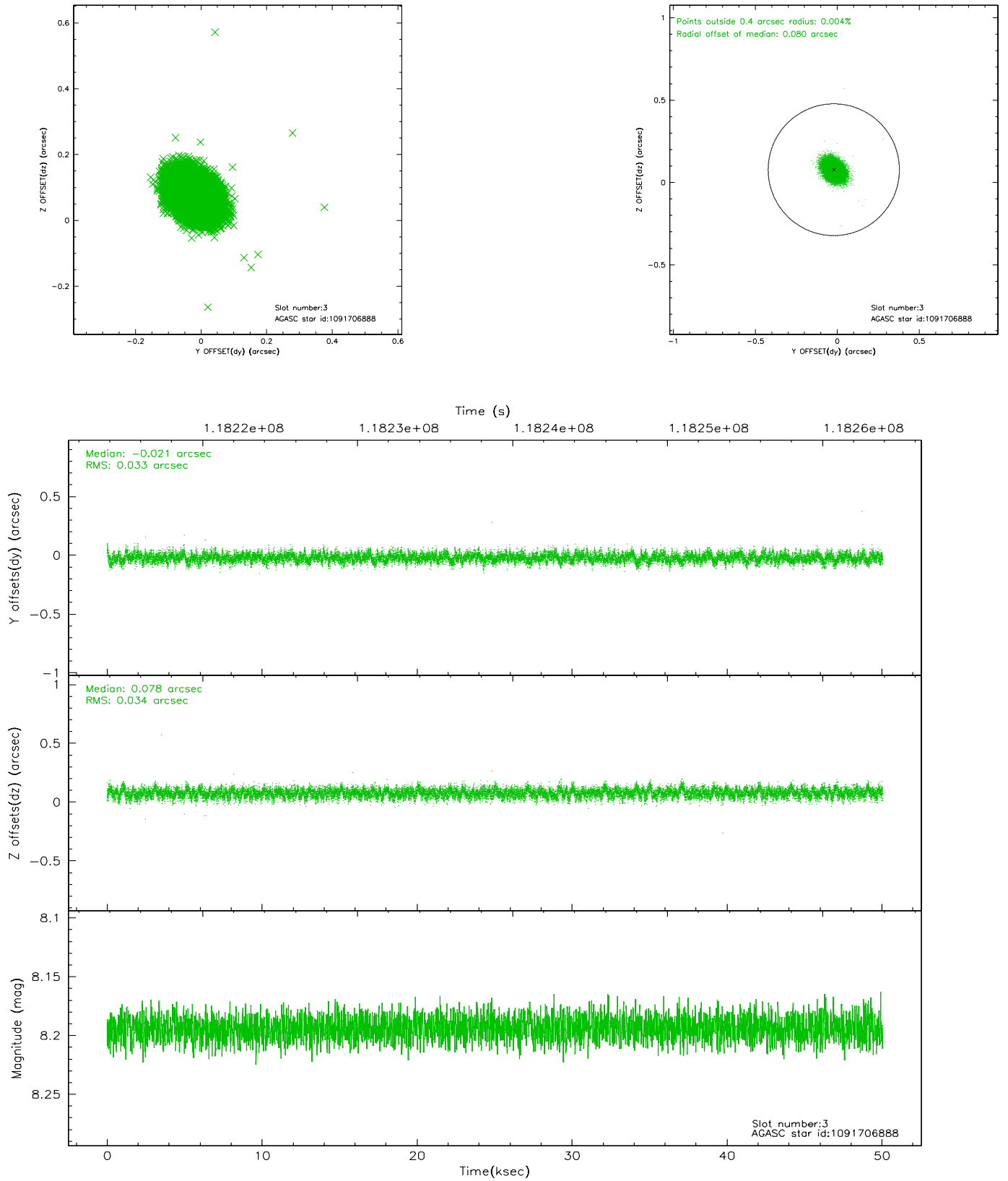


### Slot Statistics

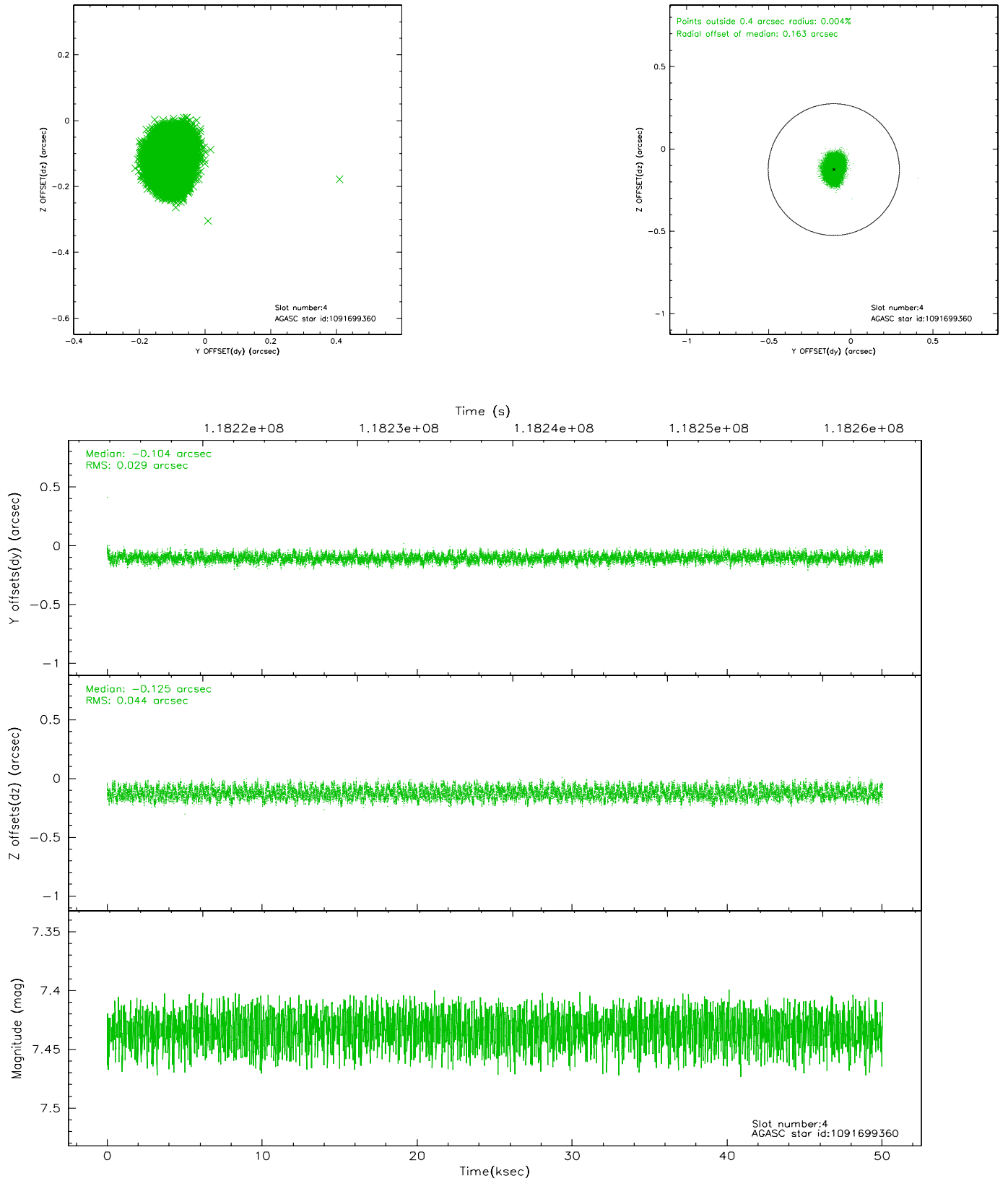
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	12207	0.037	0.046	0.006	0.011	0.000000	0.000000	-755.67	-1728.91
1	FID	ACIS-S-4	7.19	12207	-0.065	-0.011	0.007	0.011	0.000000	0.000000	2157.51	179.54
2	FID	ACIS-S-6	7.36	12205	0.000	-0.028	0.007	0.012	0.000000	0.000000	406.25	816.89
3	GUIDE	1091706888	8.19	24411	-0.021	0.078	0.050	0.082	249.740289	-47.400823	-1221.83	1613.69
4	GUIDE	1091699360	7.43	24415	-0.104	-0.125	0.058	0.089	248.660725	-47.004364	-1714.48	-1347.32
5	GUIDE	1091717336	8.15	24413	-0.067	-0.075	0.055	0.089	248.227678	-47.298446	-362.49	-1993.26
6	GUIDE	1091698696	8.81	24376	0.180	0.068	0.062	0.101	248.529134	-48.079711	2043.69	-363.38
7	GUIDE	1091709800	9.19	24358	0.010	0.058	0.076	0.122	249.801955	-47.310212	-1578.62	1652.72

## 2.4 Star Slots

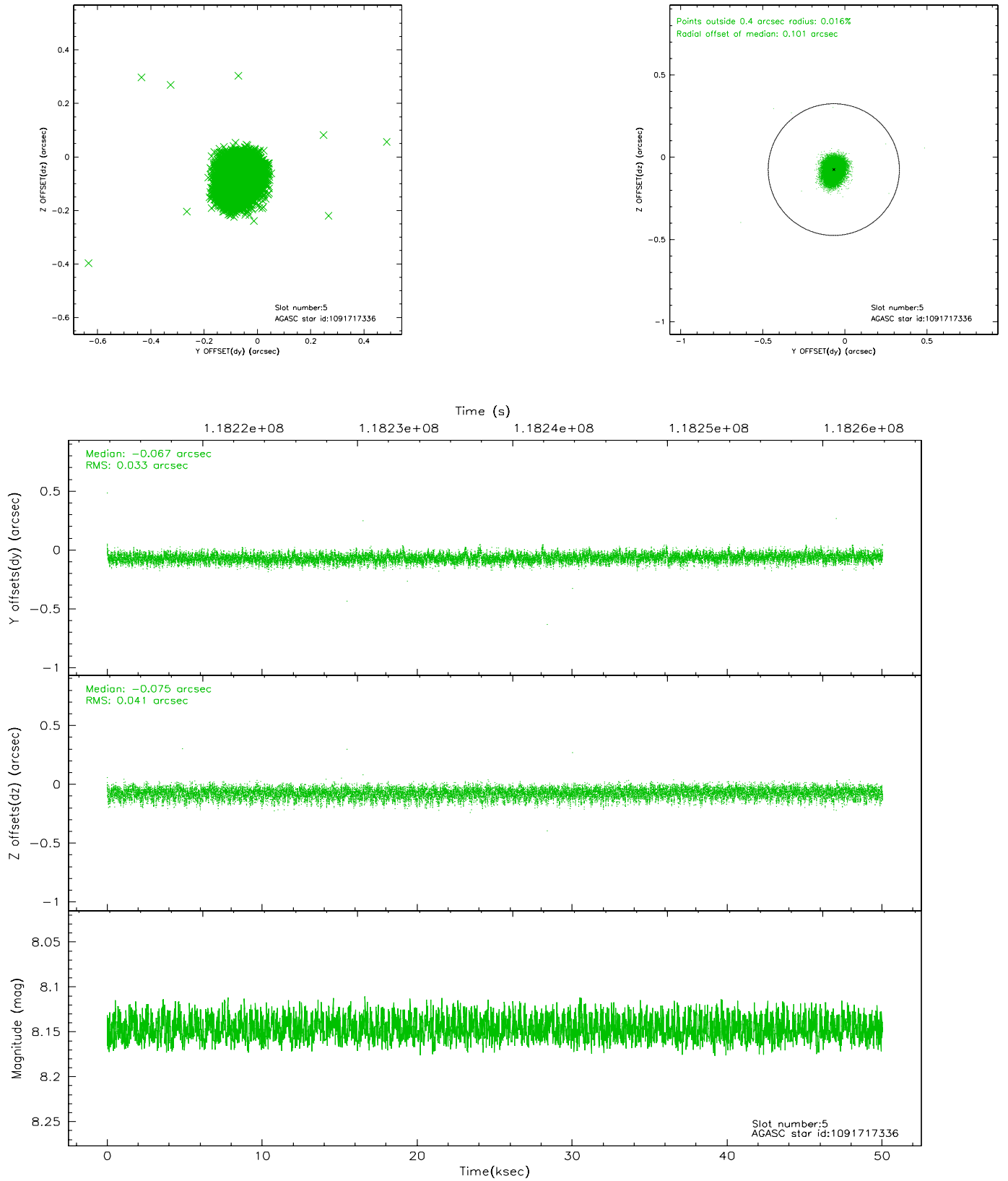
### 2.4.1 Slot 3



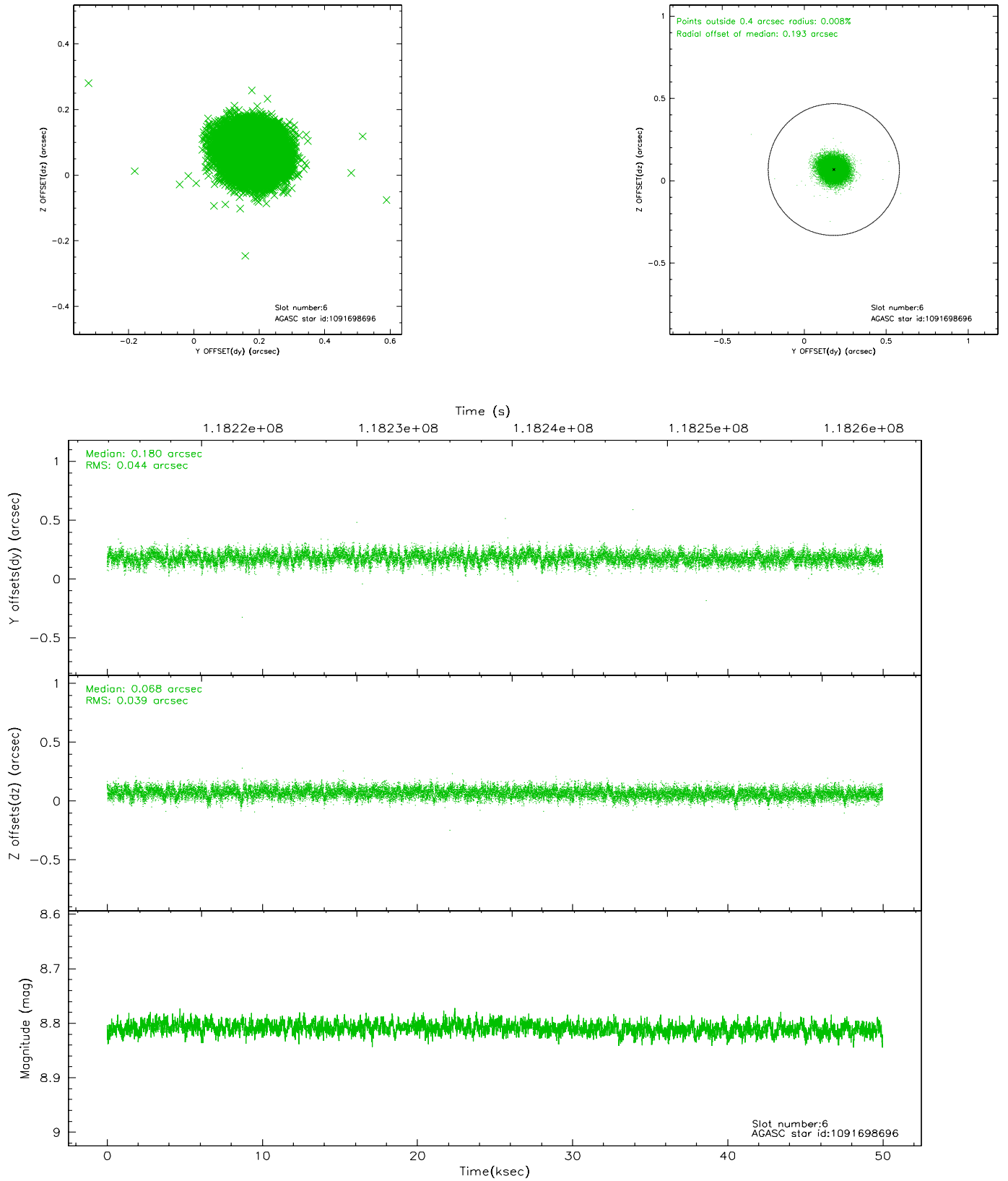
## 2.4.2 Slot 4



### 2.4.3 Slot 5

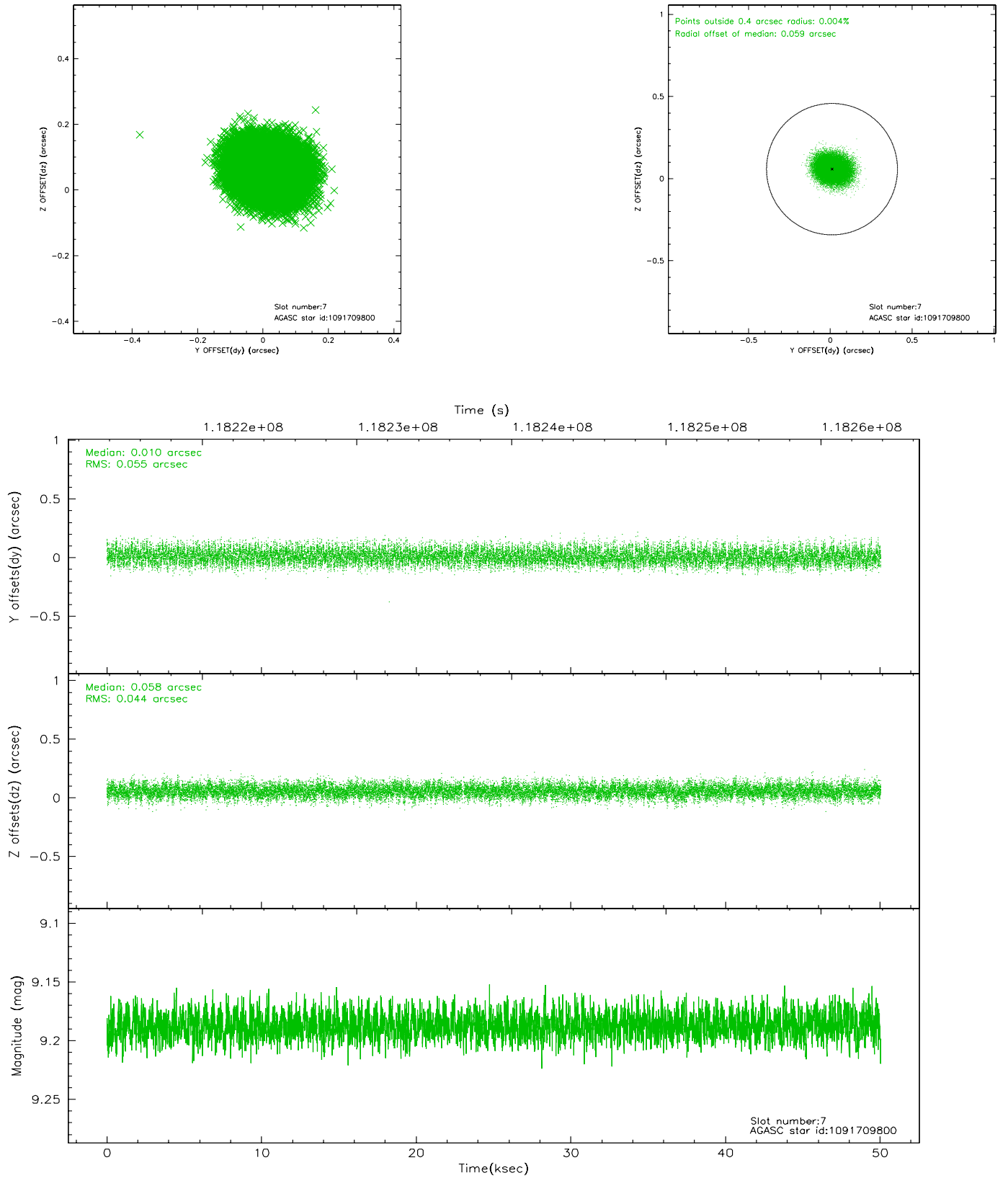


## 2.4.4 Slot 6



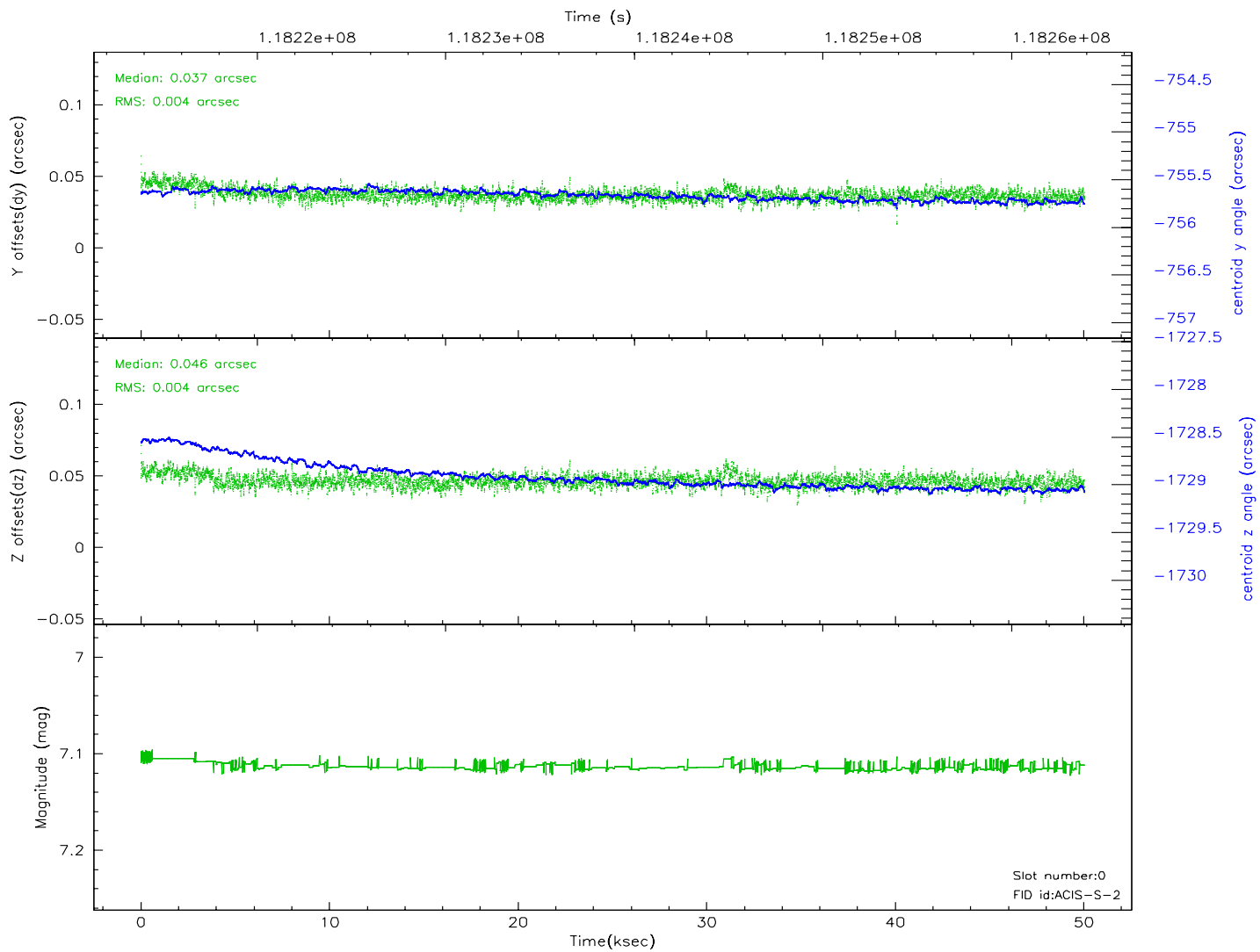
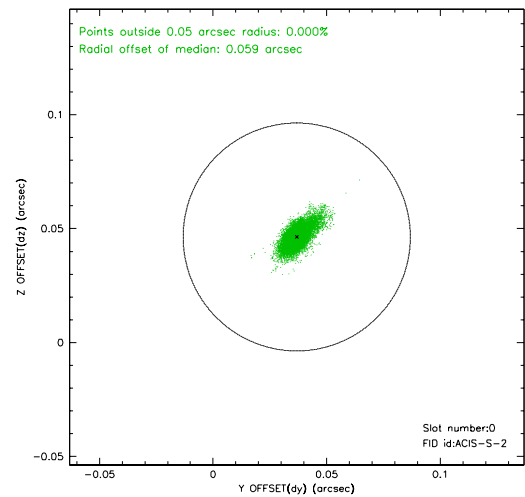
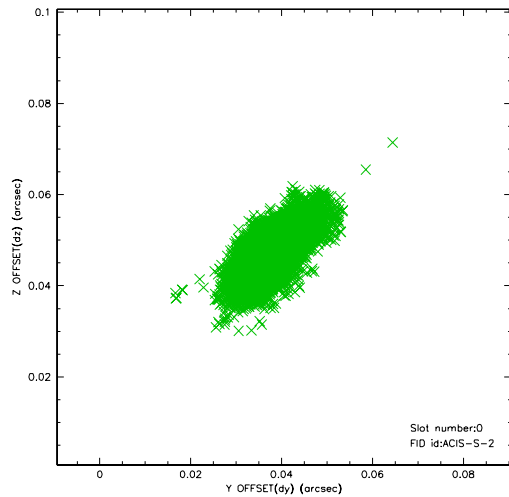


## 2.4.5 Slot 7

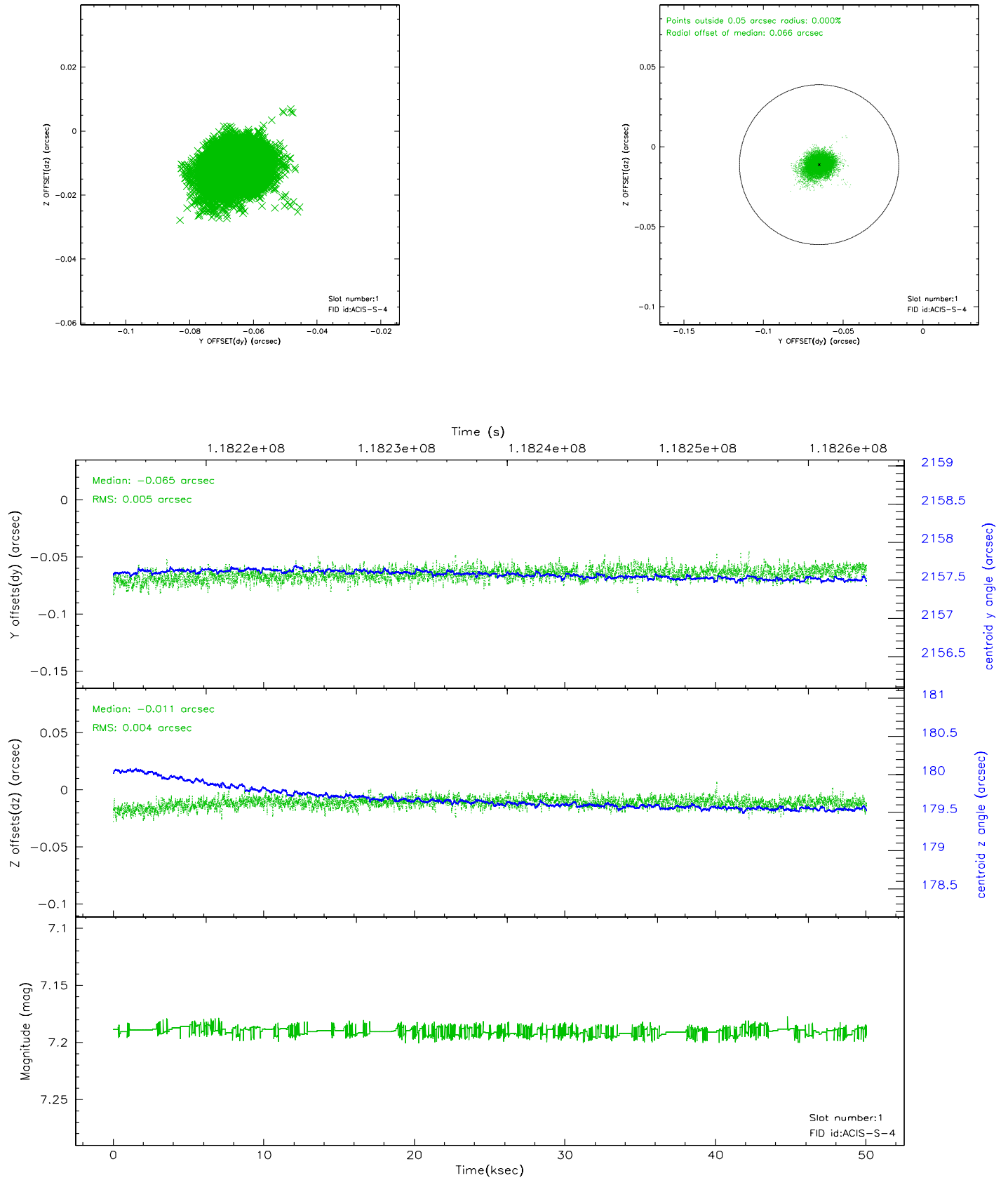


## 2.5 FID Slots

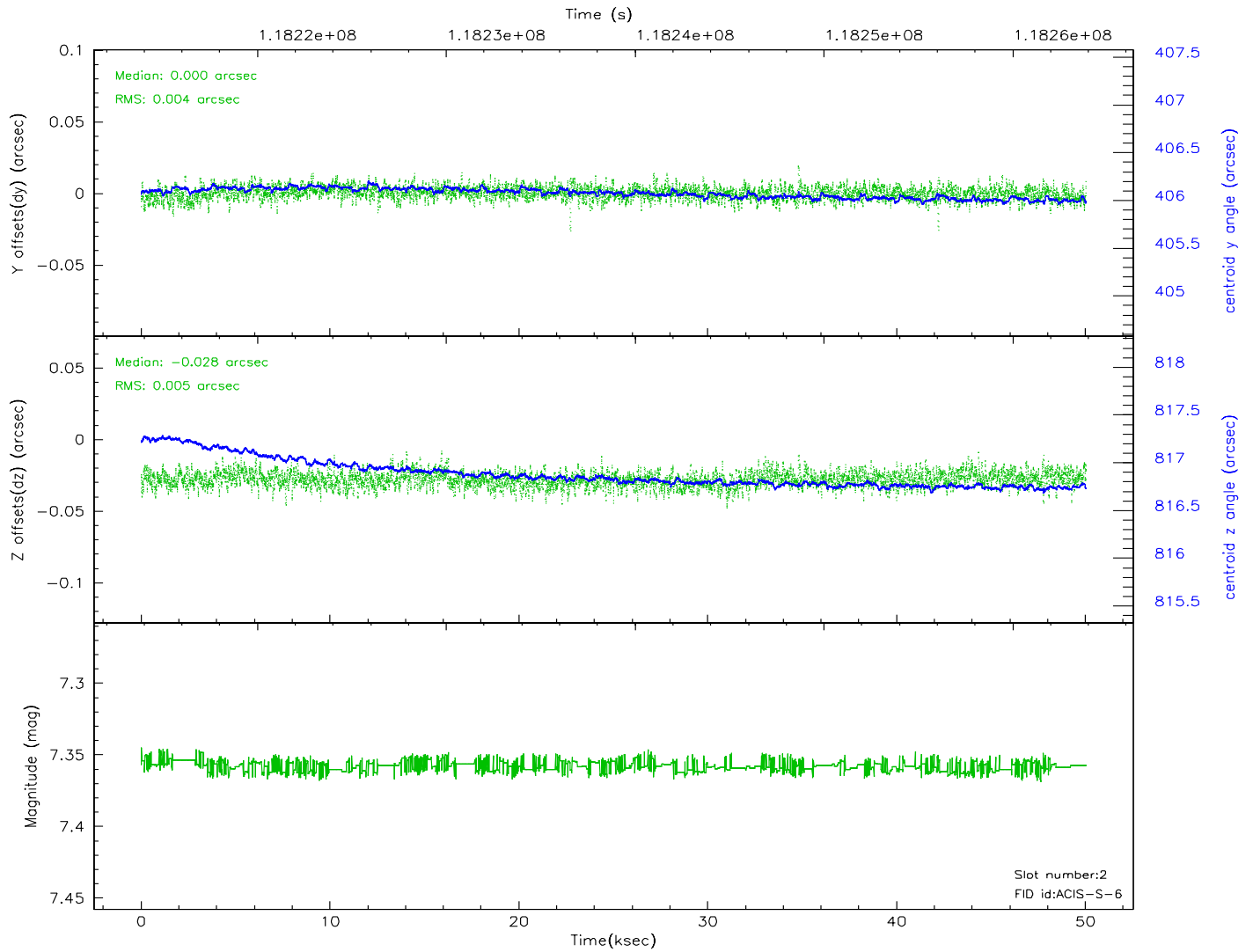
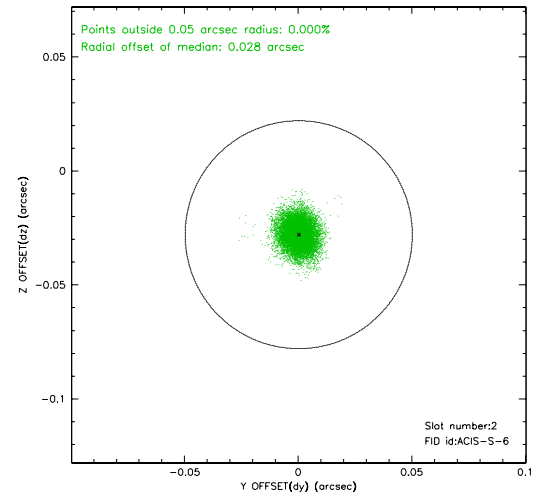
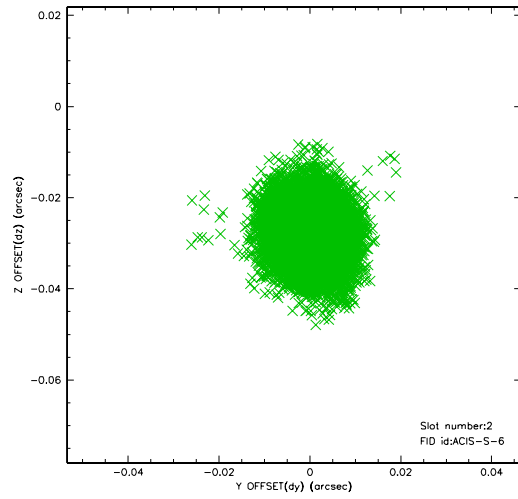
### 2.5.1 Slot 0



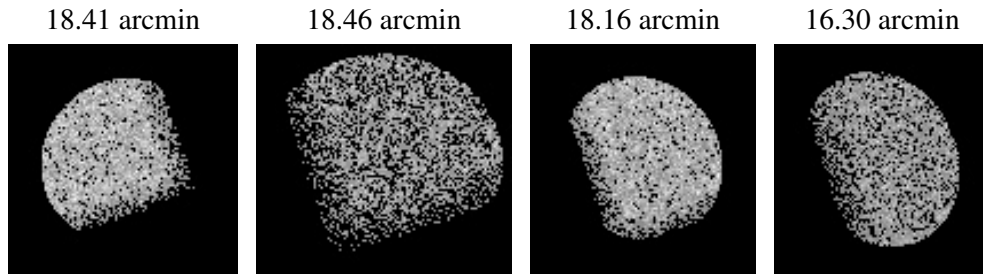
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.045

### A.2 Comments