

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 1827 - L2 Version 001  
Chandra X-Ray Center

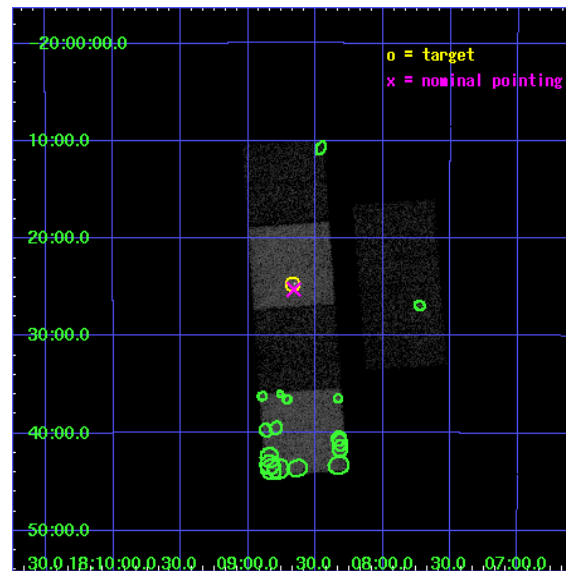
L2 Processing Date : May 31 2007

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# 1 Front

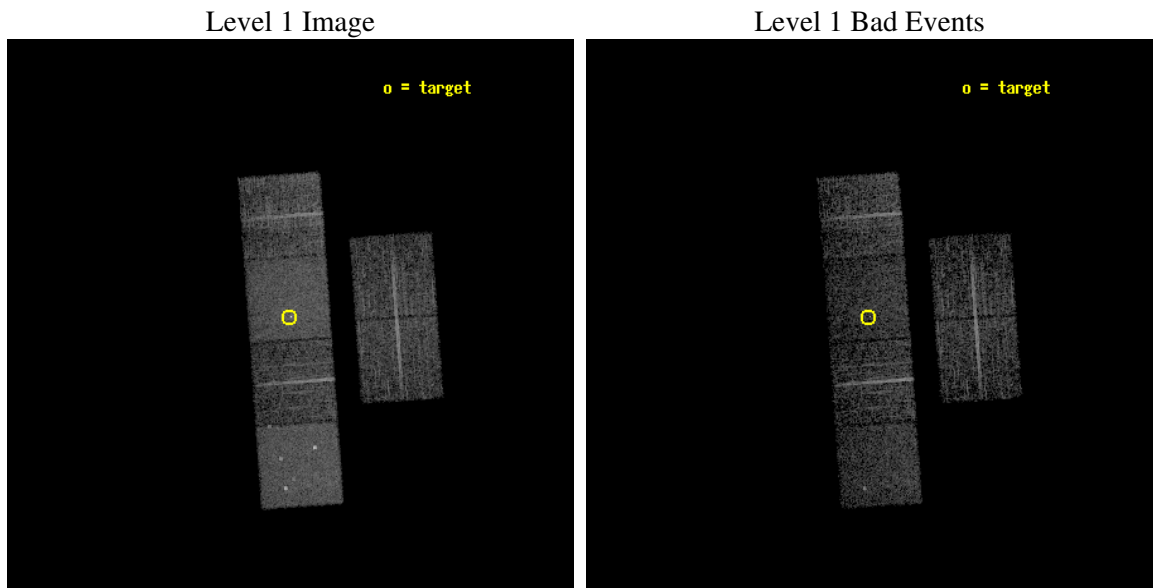
seq_num	500118
obs_id	1827
title	THE SOFT GAMMA-RAY REPEATER SGR 1806-20
observer	Gautam Vasisht
object	SGR 1806-20
dtcycle	0
cycle	P
ra_targ	272.168
dec_targ	-20.411417
ra_nom	272.16525345881
dec_nom	-20.421048153611
roll_nom	265.86076912632
revision	3
ontime	4953.6000046134
livetime	4890.8745386552
ontime2	4953.6000046134
ontime3	4953.6000046134
ontime5	4953.6000046134
ontime6	4953.6000046134
ontime7	4953.6000046134
ontime8	4953.6000046134
l2events	54601



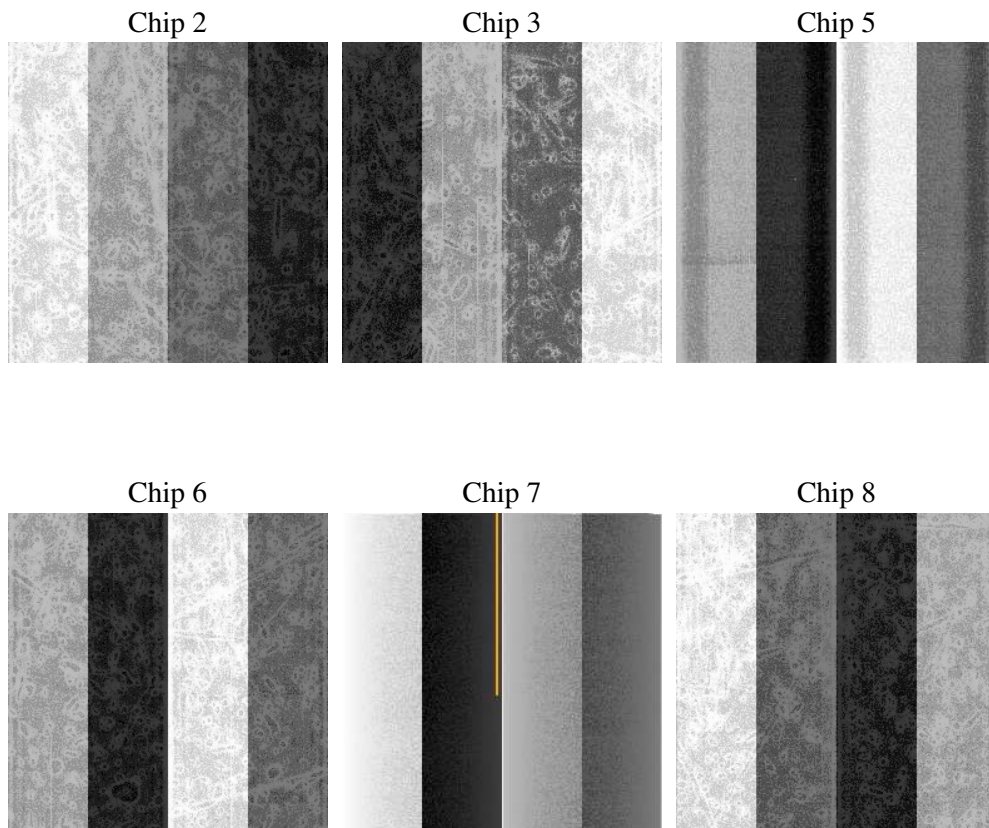
## 2 OBI

### 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	2007-05-31T20:03:08
revision	3

sched_exp_time	5000.000000
ontime	4953.6000046134
ontime2	4953.6000046134
ontime3	4953.6000046134
ontime5	4953.6000046134
ontime6	4953.6000046134
ontime7	4953.6000046134
ontime8	4953.6000046134
l1events	201339

### 2.1.4 Events

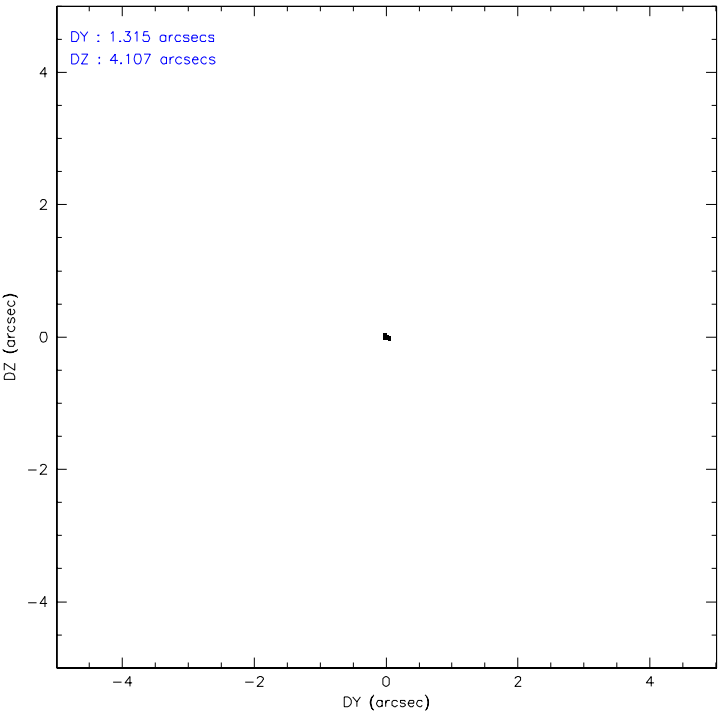
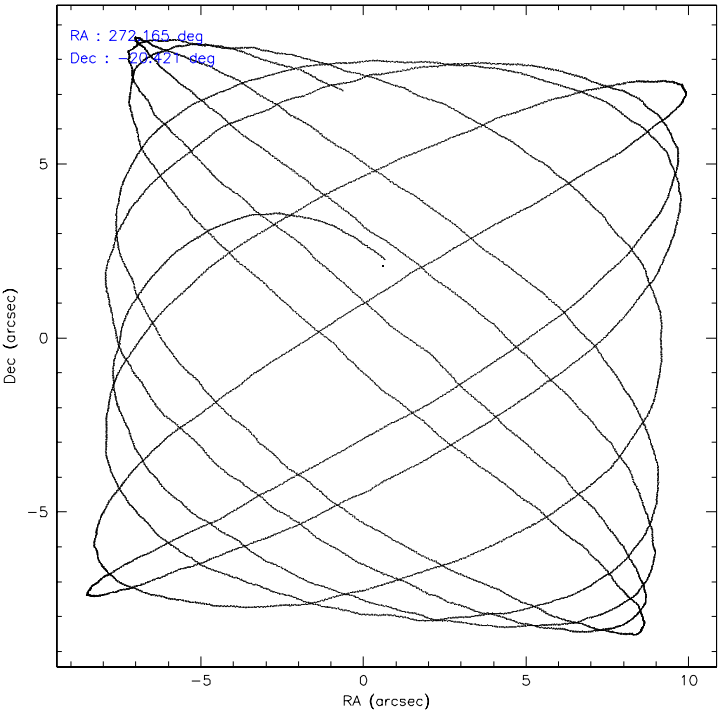
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	27905	26701	43230	28041	40629	34833
rejected events	24329	23217	20015	24058	19690	26994
rejected %	87%	86%	46%	85%	48%	77%

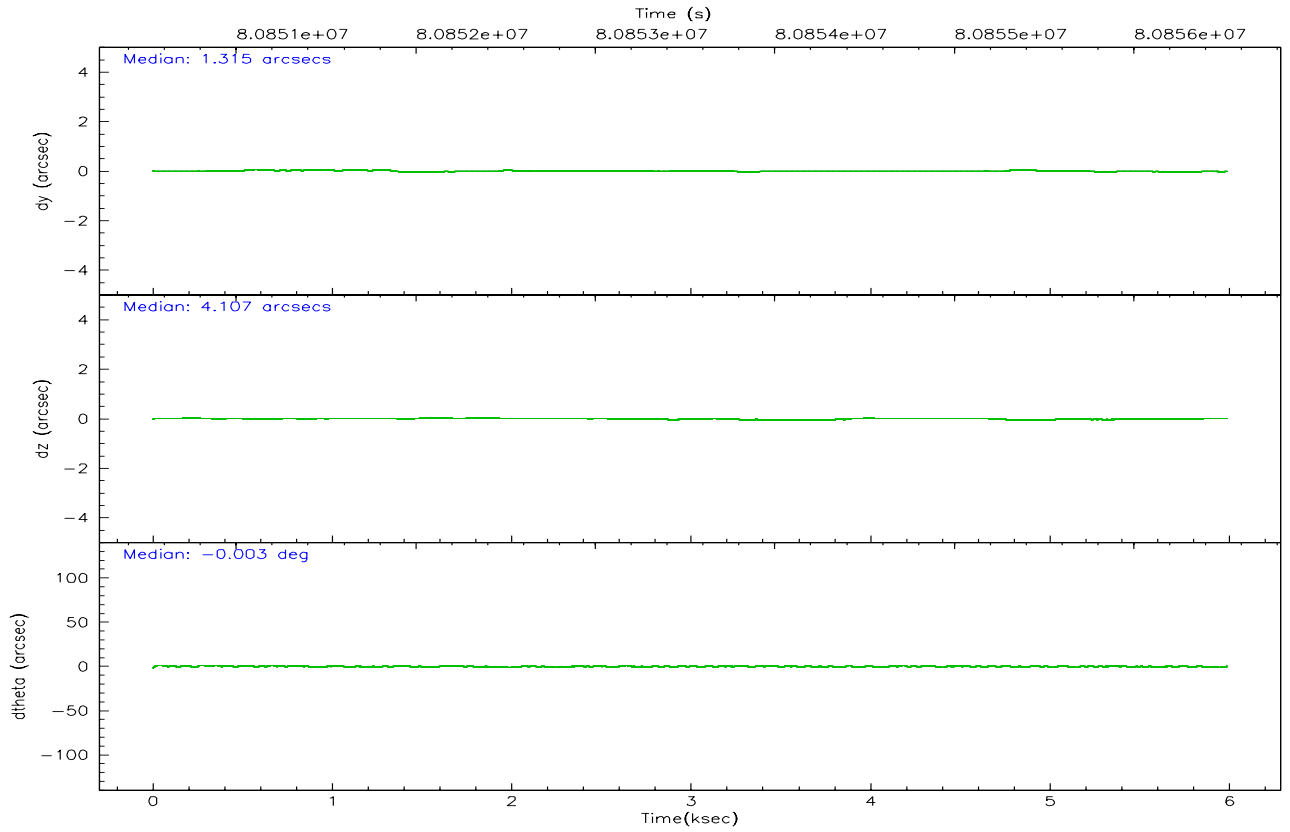
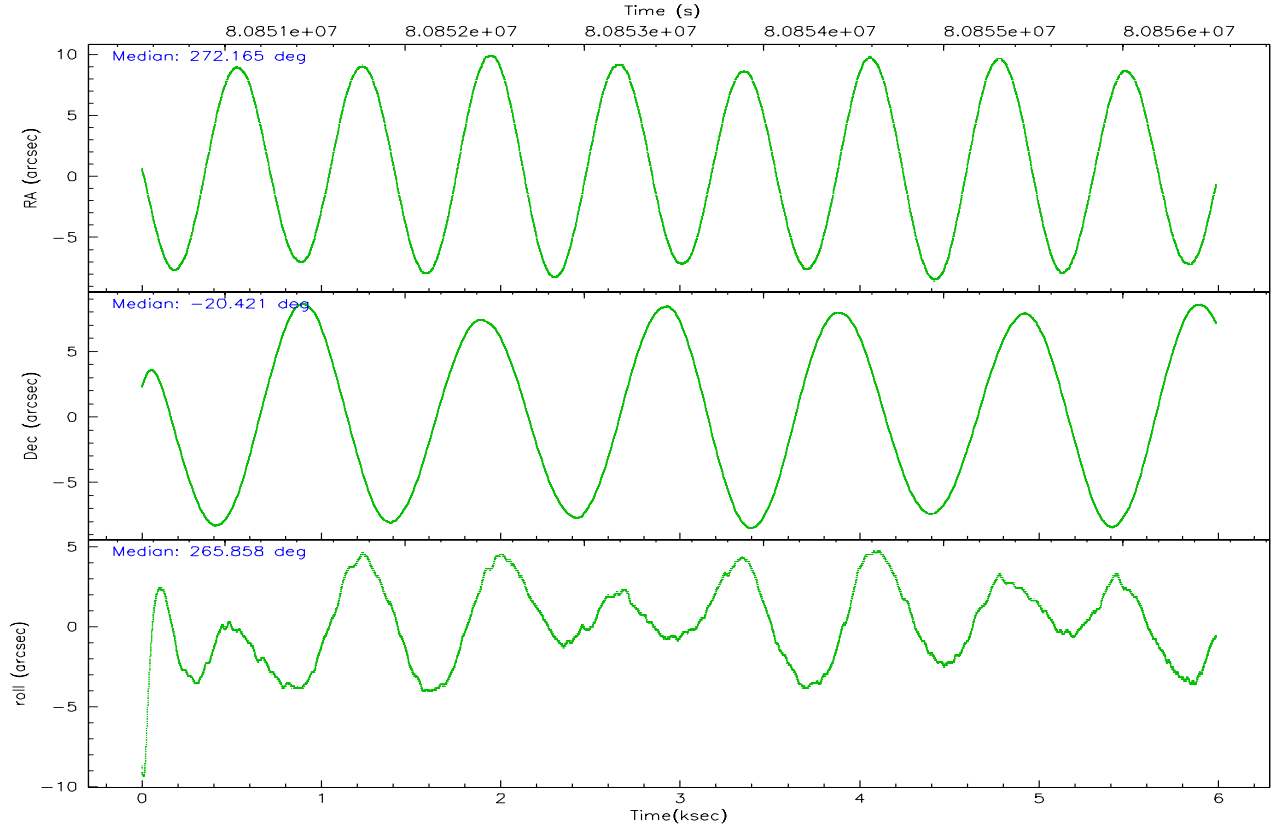
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1666	1632	4031	1939	2496	2742
	5%	6%	9%	6%	6%	7%
grade 1 events	14	5	57	16	49	17
	0%	0%	0%	0%	0%	0%
grade 2 events	690	675	6480	719	4202	1476
	2%	2%	14%	2%	10%	4%
grade 3 events	309	313	1147	327	1898	881
	1%	1%	2%	1%	4%	2%
grade 4 events	296	297	1056	334	1903	830
	1%	1%	2%	1%	4%	2%
grade 5 events	904	994	2870	1148	3235	1381
	3%	3%	6%	4%	7%	3%
grade 6 events	617	571	10512	670	10453	1913
	2%	2%	24%	2%	25%	5%
grade 7 events	23409	22214	17077	22888	16393	25593
	83%	83%	39%	81%	40%	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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	272.152433	272.1652534588113	Subarray requested	NONE	NONE
Pointing Dec	-20.396447	-20.42104815361081	Alternating exposures requested	N	N
Pointing Roll	265.699687	265.8607691263173	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	-190.145094680475			
SIM translation stage offset (mm)	0	0.01257209746719923			
Observation start time	80851524.184000	80850166.465666			
Observation start date	2000-07-24T18:44:20	2000-07-24T18:22:46			
Observation end time	80856524.184000	80857001.67842001			
Observation end date	2000-07-24T20:07:40	2000-07-24T20:16:41			
Read mode	TIMED	TIMED			

2.3 Aspect





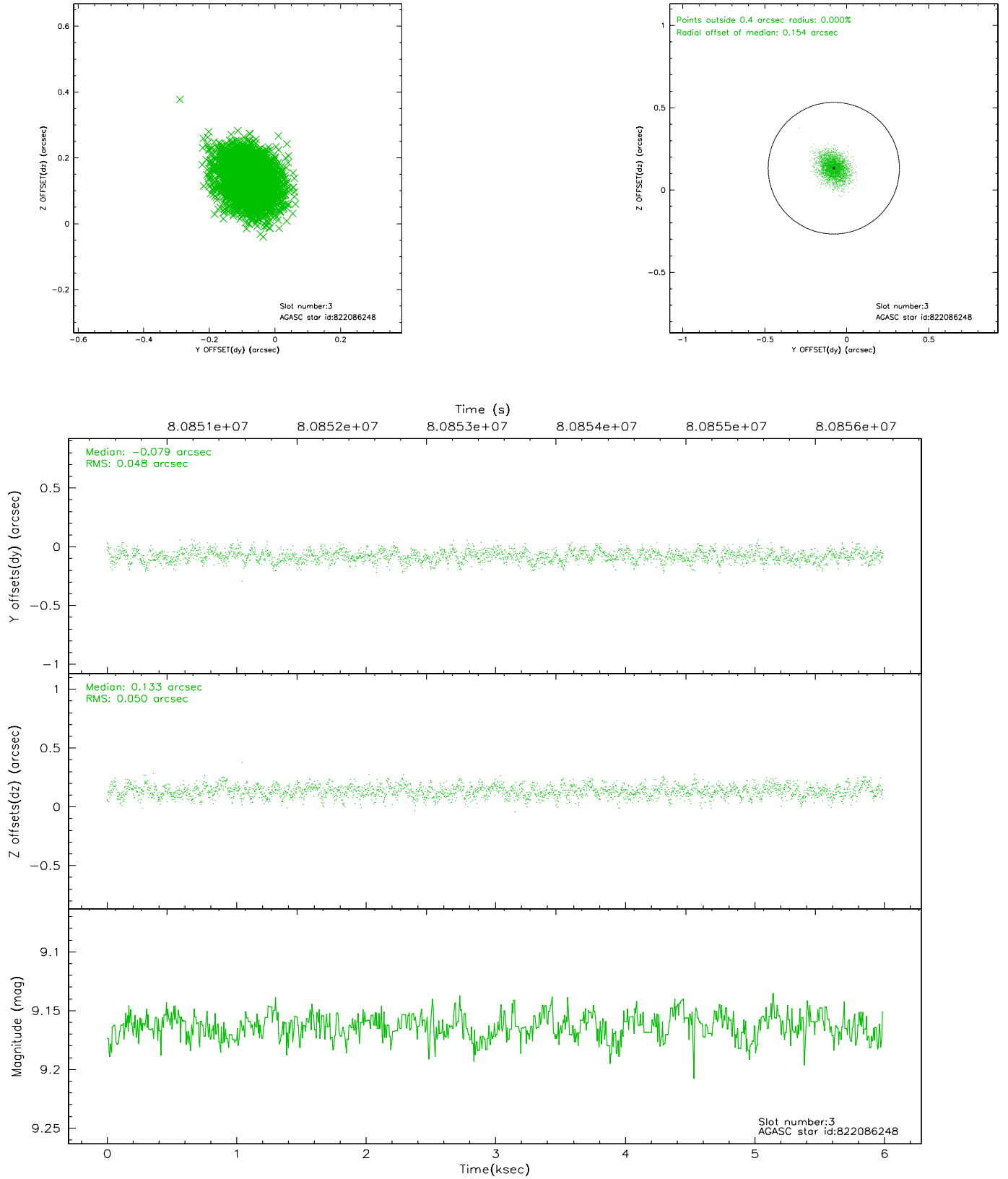
### Slot Statistics

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	1461	-0.006	0.014	0.007	0.011	0.000000	0.000000	-753.94	-1725.06
1	FID	ACIS-S-4	7.21	1461	-0.055	-0.001	0.005	0.009	0.000000	0.000000	2158.87	182.35
2	FID	ACIS-S-5	7.23	1461	0.030	-0.004	0.006	0.010	0.000000	0.000000	-1805.45	177.19
3	GUIDE	822086248	9.16	2922	-0.079	0.133	0.074	0.120	272.549563	-20.462464	139.26	1354.05
4	GUIDE	822614592	8.70	2920	0.086	-0.068	0.061	0.098	272.240676	-20.628542	812.33	359.83
5	GUIDE	822616024	8.43	2921	0.124	0.016	0.053	0.085	272.218514	-20.919122	1861.35	363.23
6	GUIDE	822102232	8.80	2921	-0.058	-0.015	0.064	0.103	272.350923	-20.034935	-1345.94	572.21
7	GUIDE	820399496	8.34	2920	-0.071	-0.062	0.079	0.123	271.495152	-19.953854	-1416.91	-2336.76

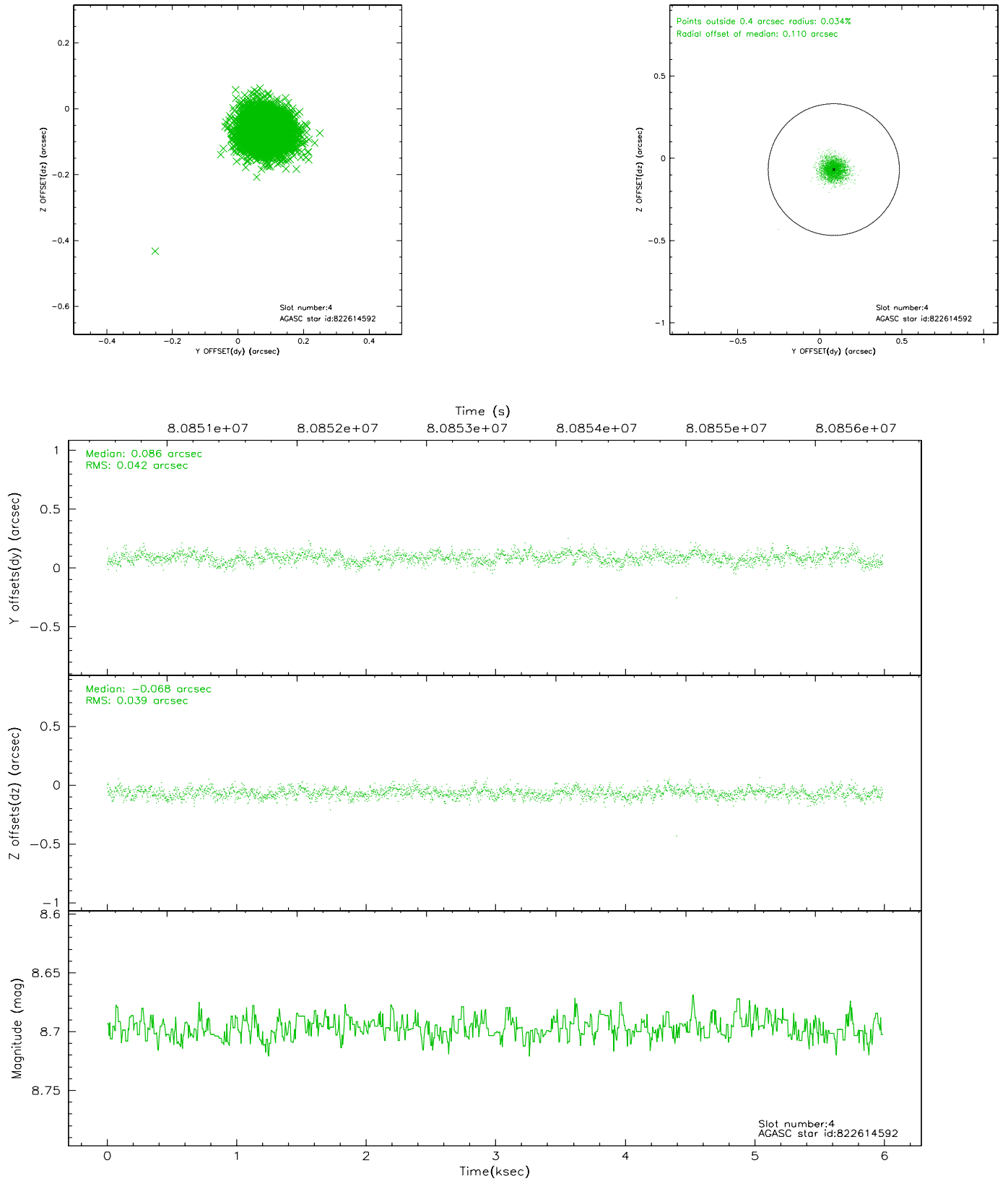


## 2.4 Star Slots

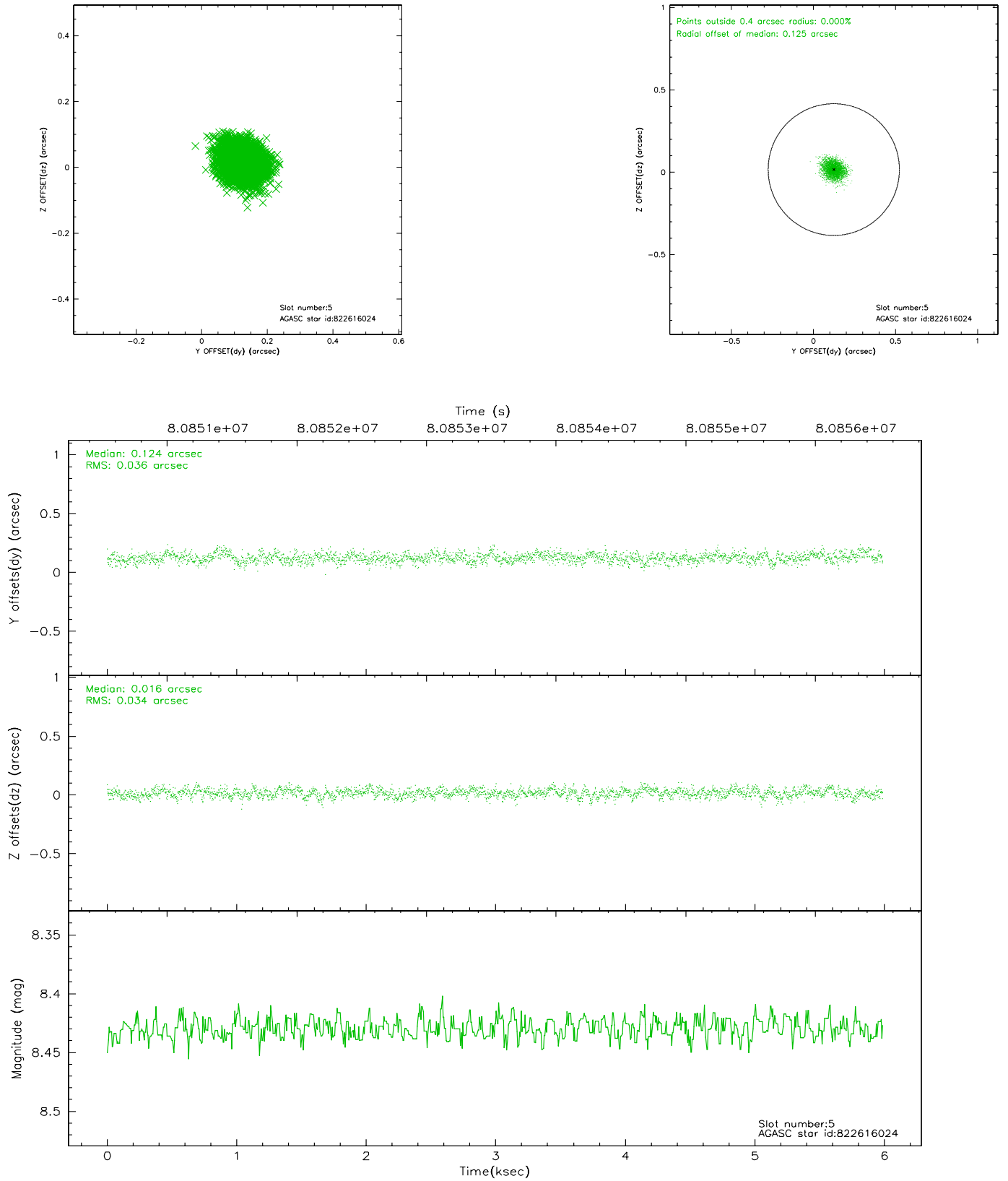
### 2.4.1 Slot 3



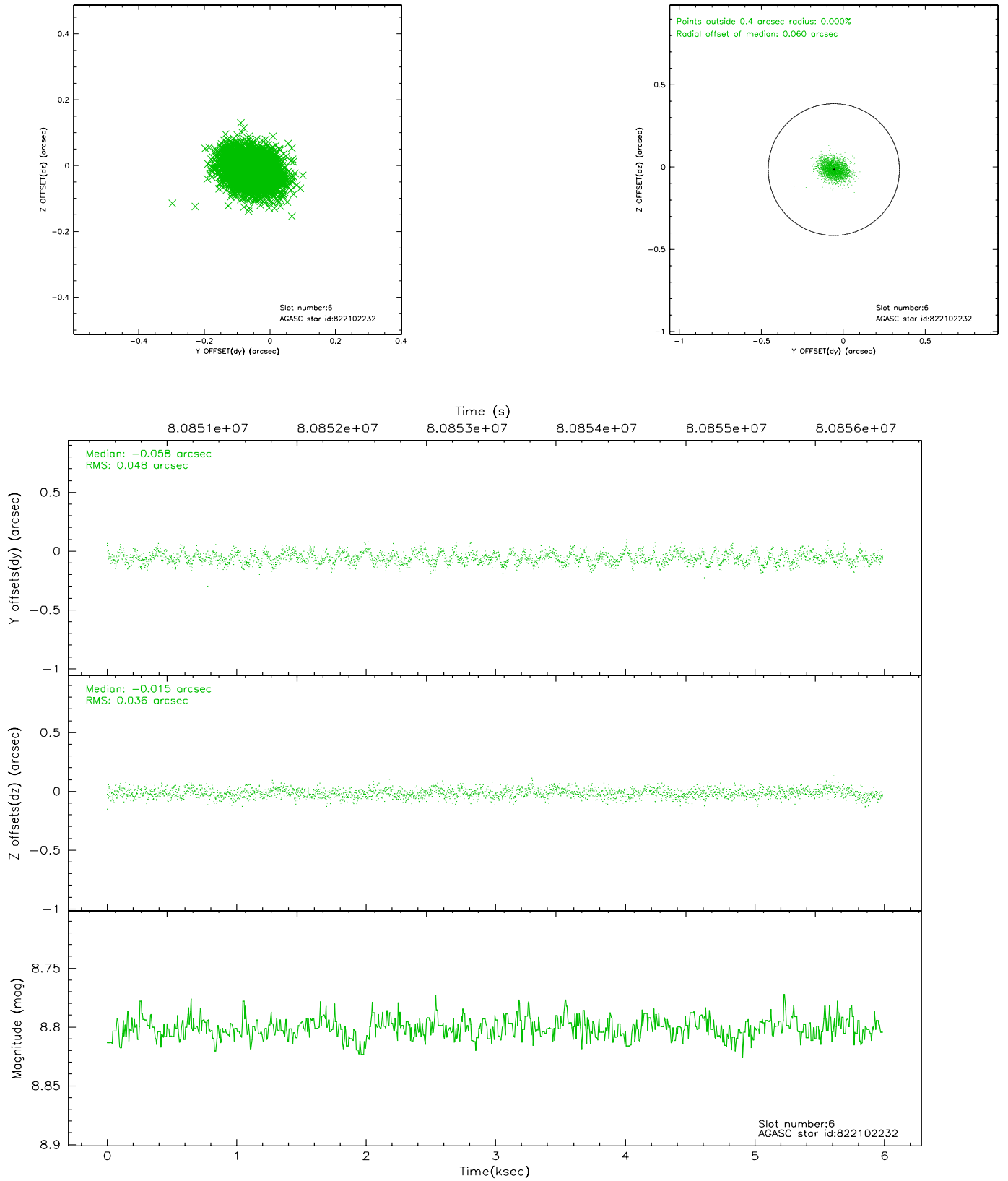
## 2.4.2 Slot 4



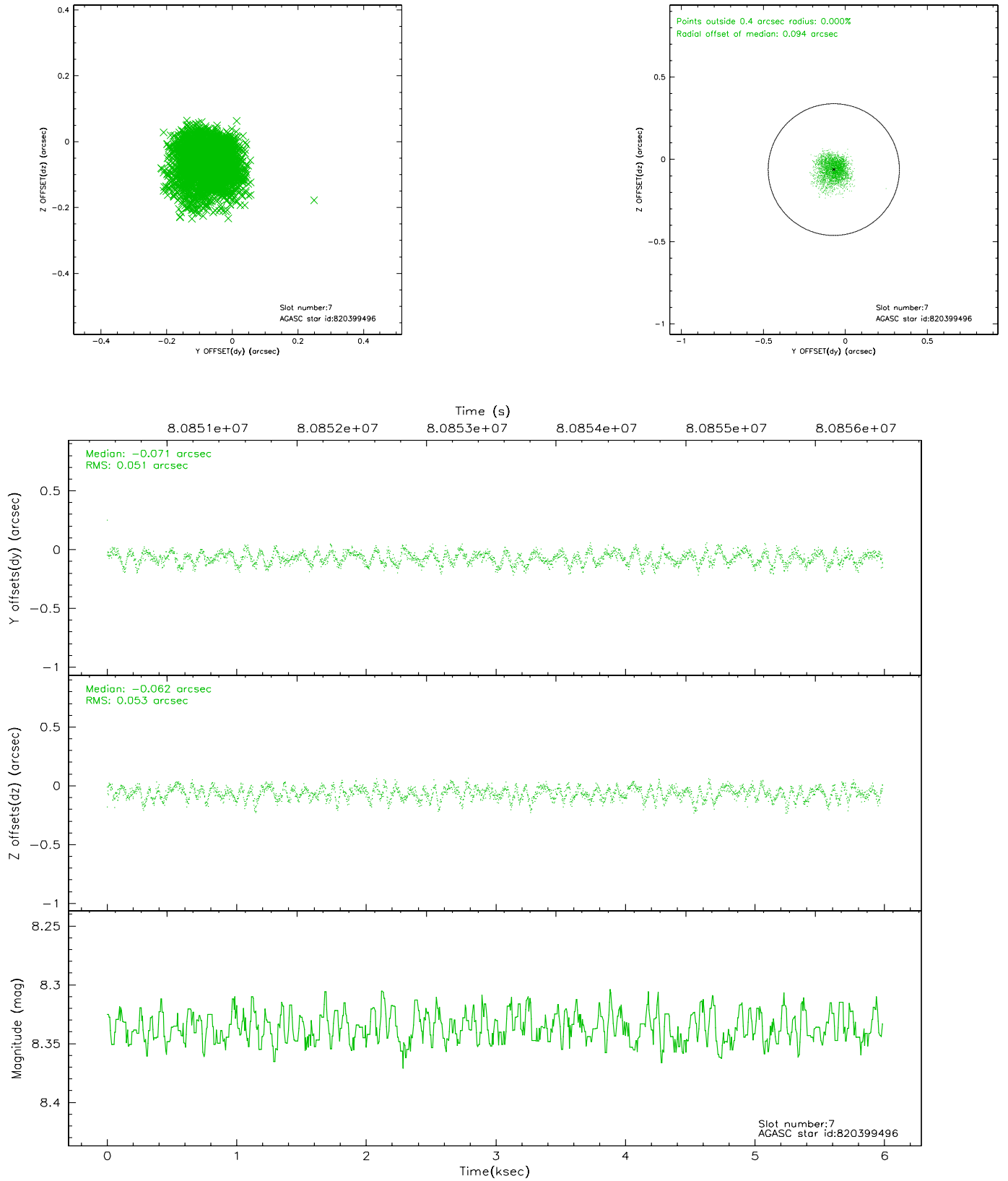
### 2.4.3 Slot 5



## 2.4.4 Slot 6

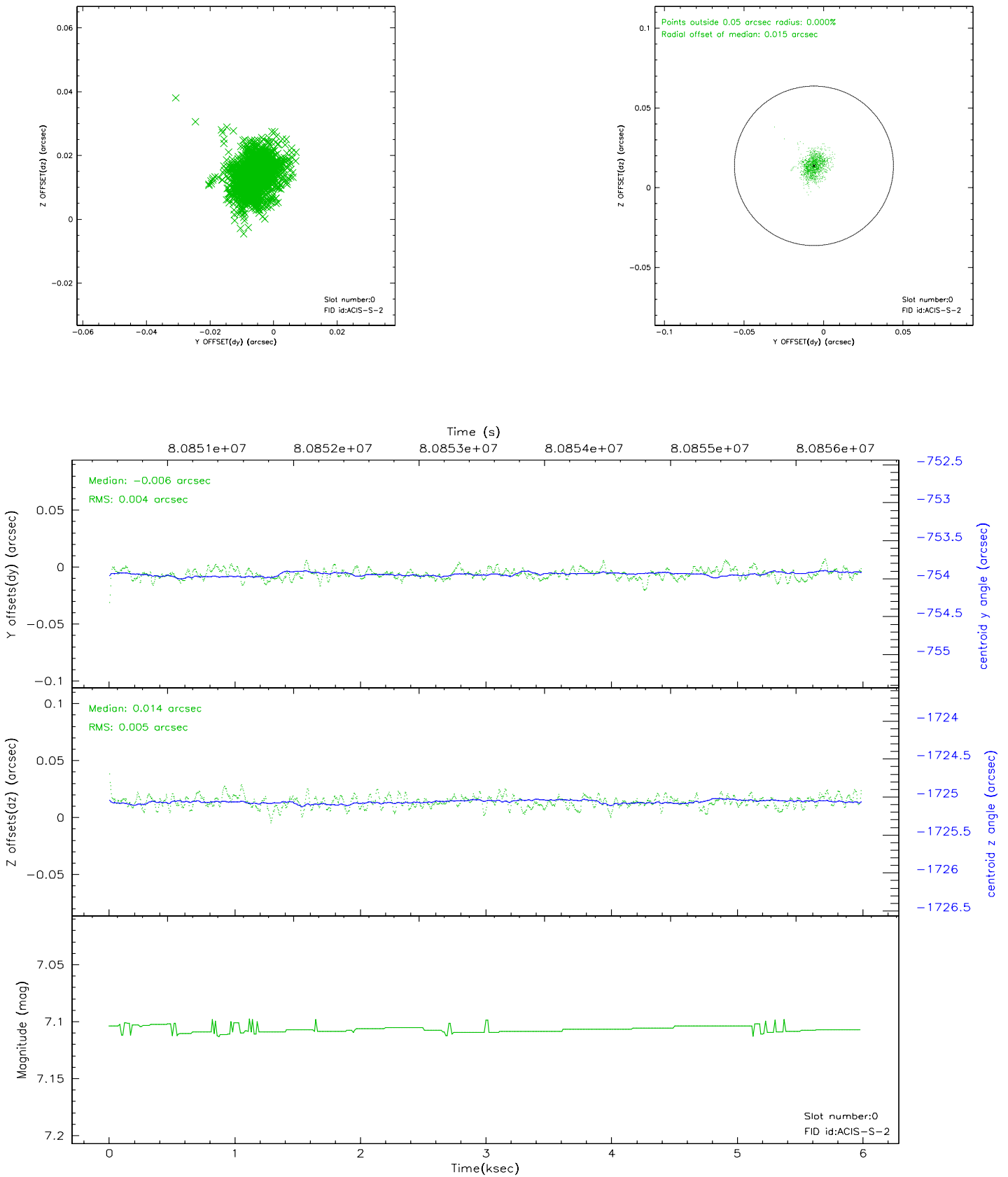


## 2.4.5 Slot 7

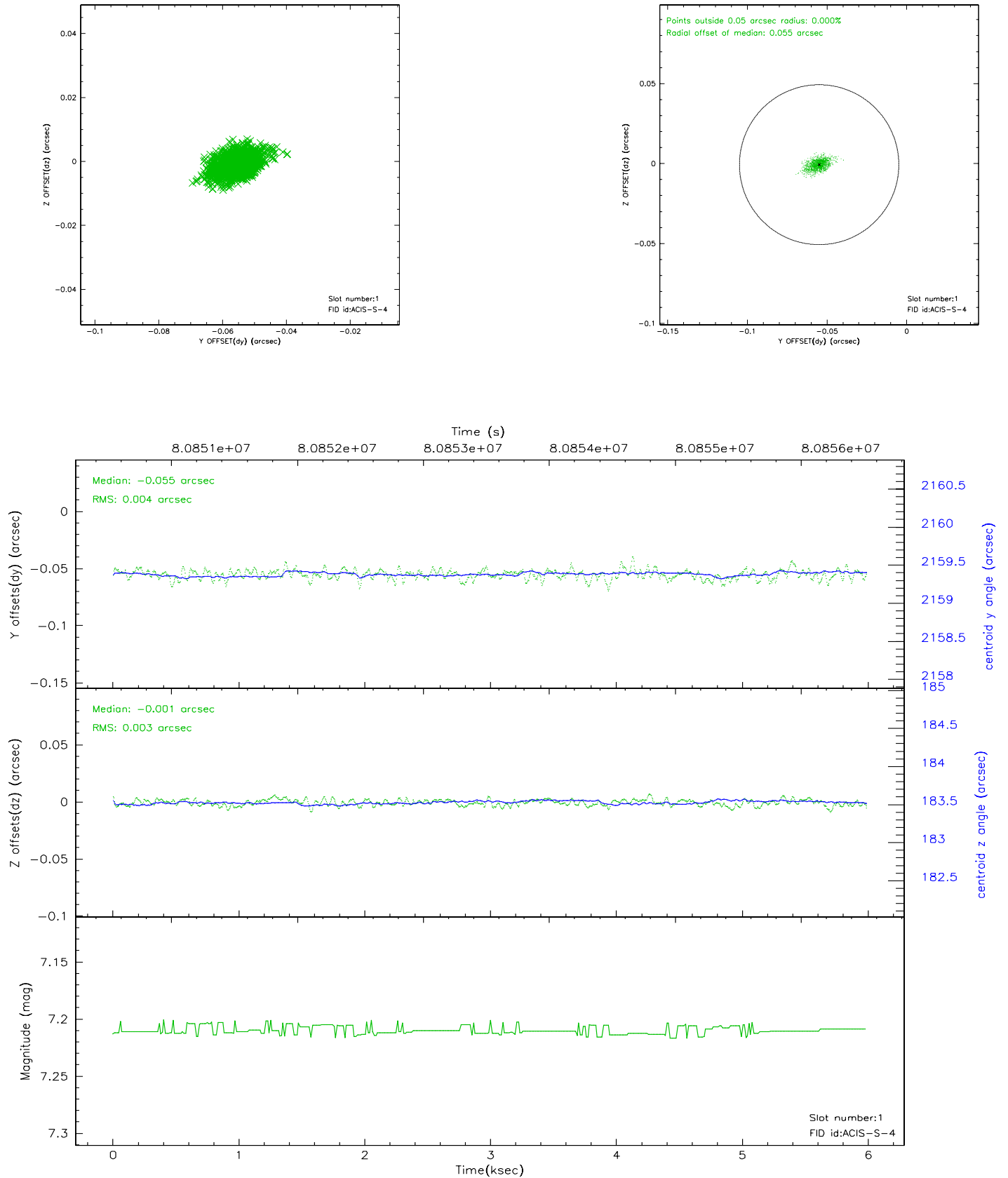


## 2.5 FID Slots

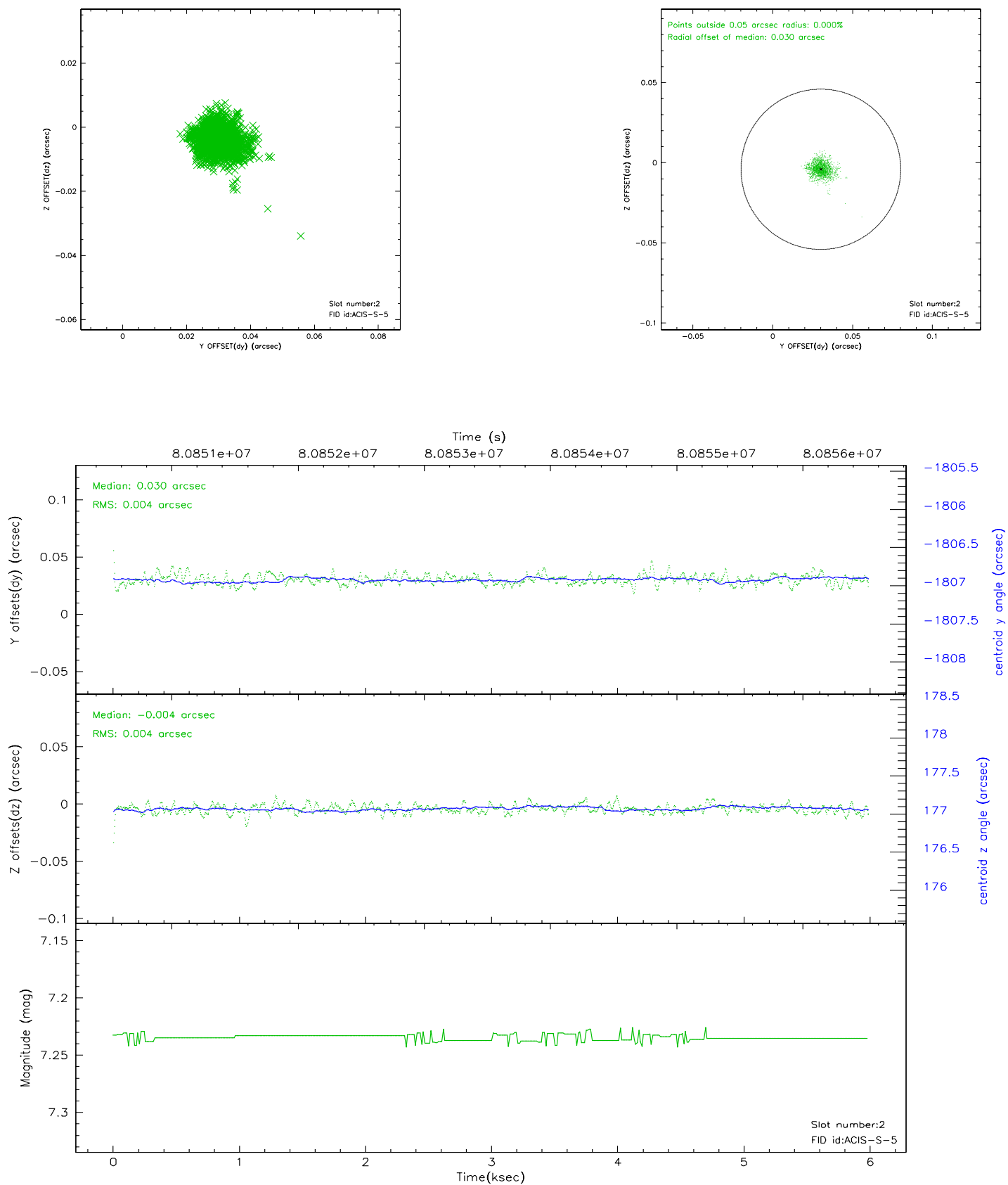
### 2.5.1 Slot 0



## 2.5.2 Slot 1

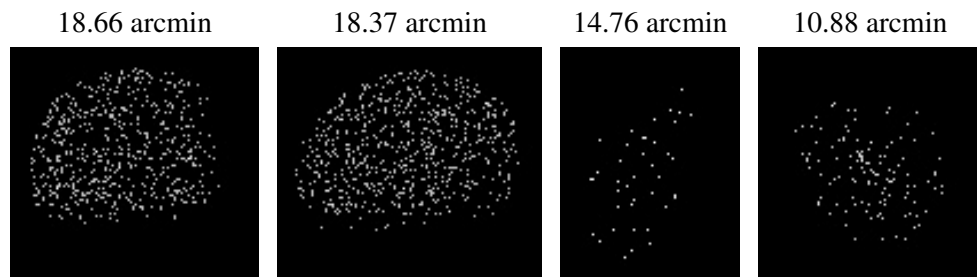


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.06.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.956

### A.2 Comments