

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4614 - L2 Version 001  
Chandra X-Ray Center

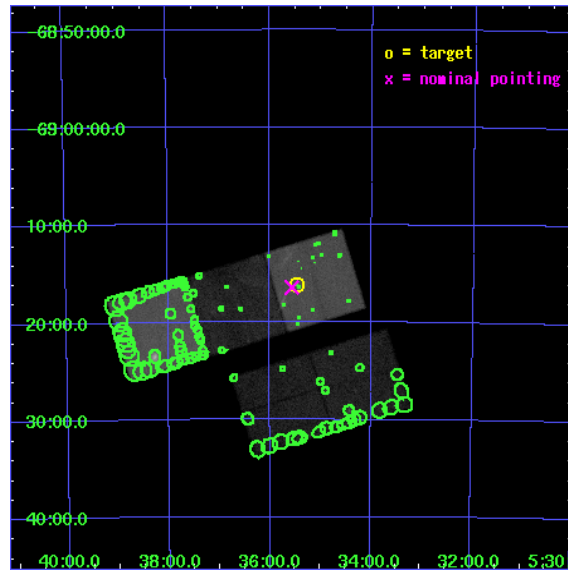
L2 Processing Date : Jun 8 2006

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# 1 Front

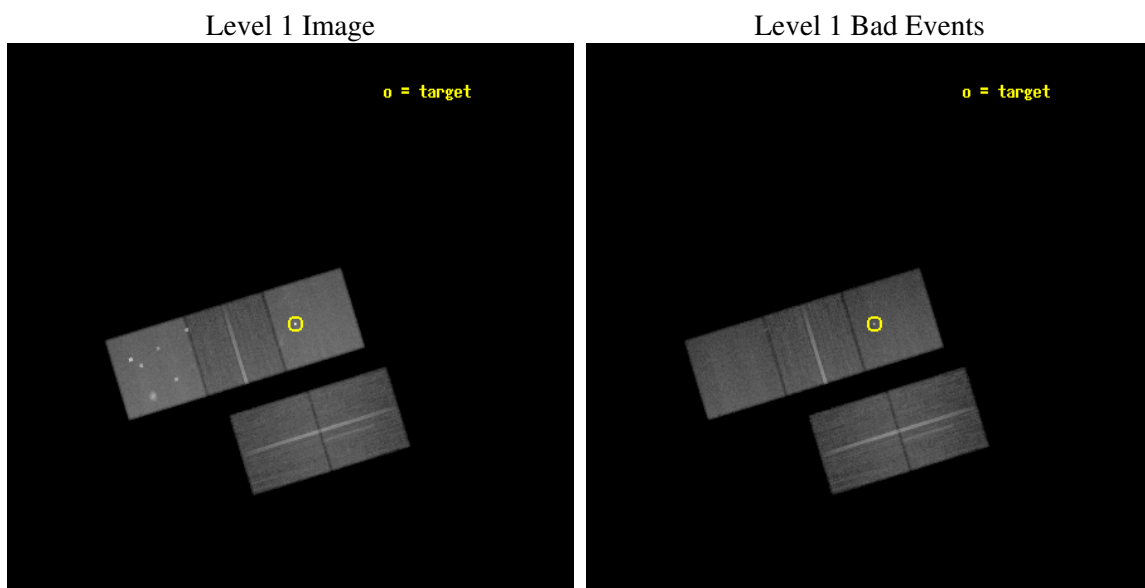
seq_num	500439
obs_id	4614
title	Chandra AO5 Monitoring Observations of SN1987A
observer	Dr. David Burrows
object	SNR1987A
dtcycle	0
cycle	P
ra_targ	83.866667
dec_targ	-69.26975
ra_nom	83.890913287885
dec_nom	-69.274152005551
roll_nom	342.96761506604
revision	2
ontime	47104.499909431
livetime	46489.044940286
ontime2	47104.499909431
ontime3	47104.499909431
ontime5	47104.499909431
ontime6	47104.499909431
ontime7	47104.499909431
l2events	509519



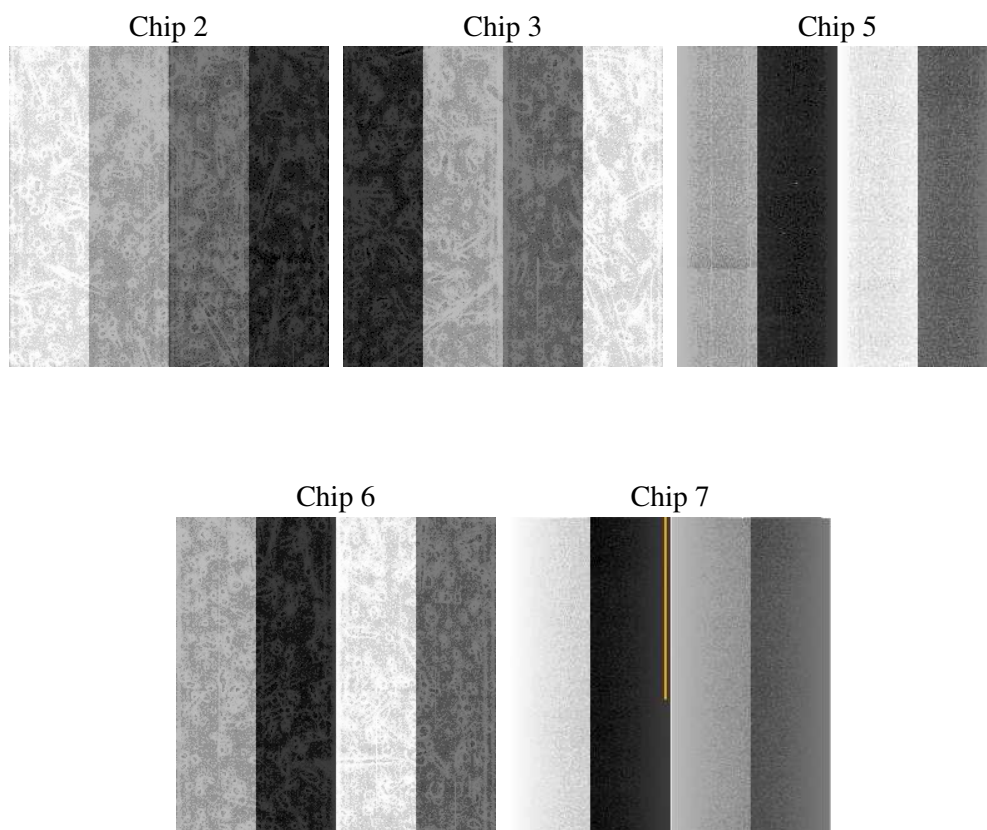
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-08T17:57:15
revision	2

sched_exp_time	47000.000000
ontime	47111.891159356
ontime2	47111.891159356
ontime3	47111.891159356
ontime5	47111.891159356
ontime6	47111.891159356
ontime7	47111.891159356
l1events	1823316

### 2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	289777	292377	486796	312497	441869
rejected events	250002	252518	250775	262418	254947
rejected %	86%	86%	51%	83%	57%

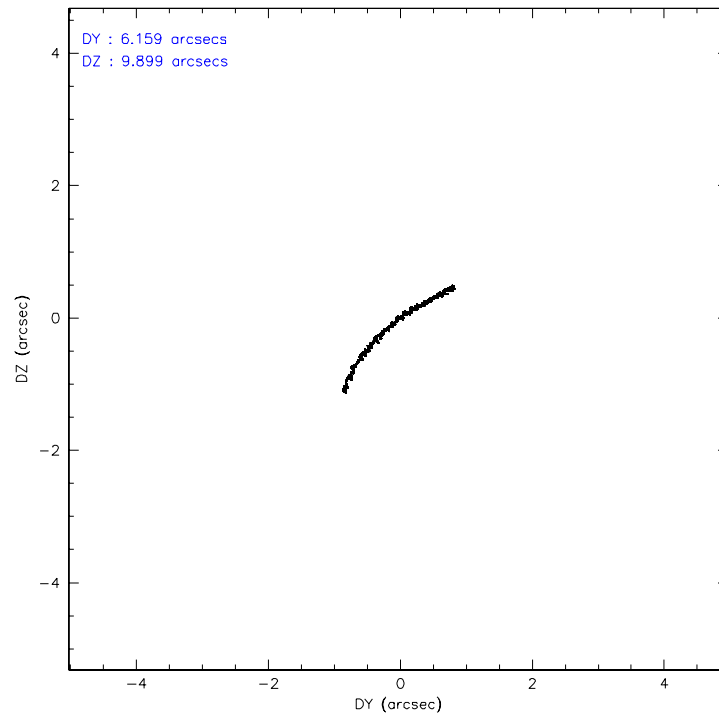
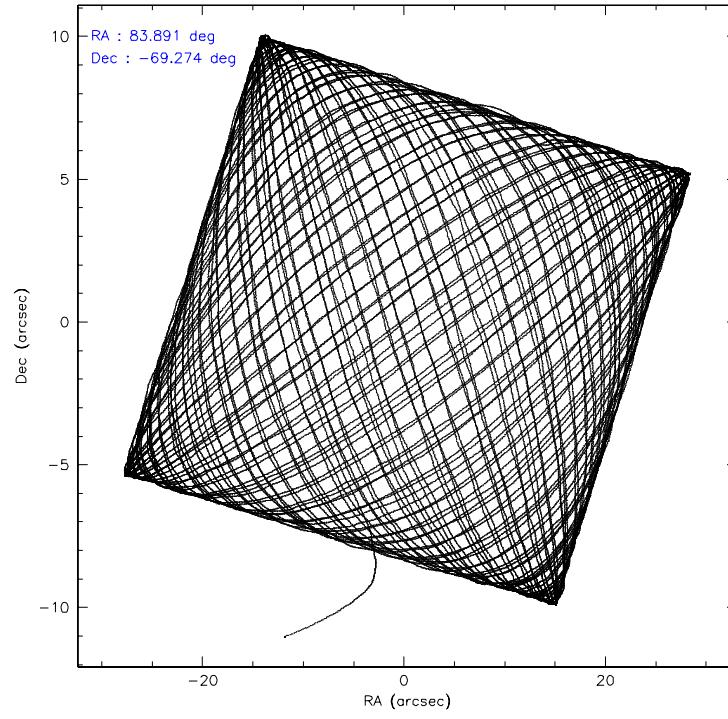
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	20003	19733	35287	26757	19367
	6%	6%	7%	8%	4%
grade 1 events	158	193	506	187	526
	0%	0%	0%	0%	0%
grade 2 events	7341	6912	72814	8303	47105
	2%	2%	14%	2%	10%
grade 3 events	3318	3606	6498	3745	11745
	1%	1%	1%	1%	2%
grade 4 events	3342	3619	6470	3797	11394
	1%	1%	1%	1%	2%
grade 5 events	11511	13316	21881	13908	27945
	3%	4%	4%	4%	6%
grade 6 events	5784	5998	114990	7484	97337
	1%	2%	23%	2%	22%
grade 7 events	238320	239000	228350	248316	226450
	82%	81%	46%	79%	51%

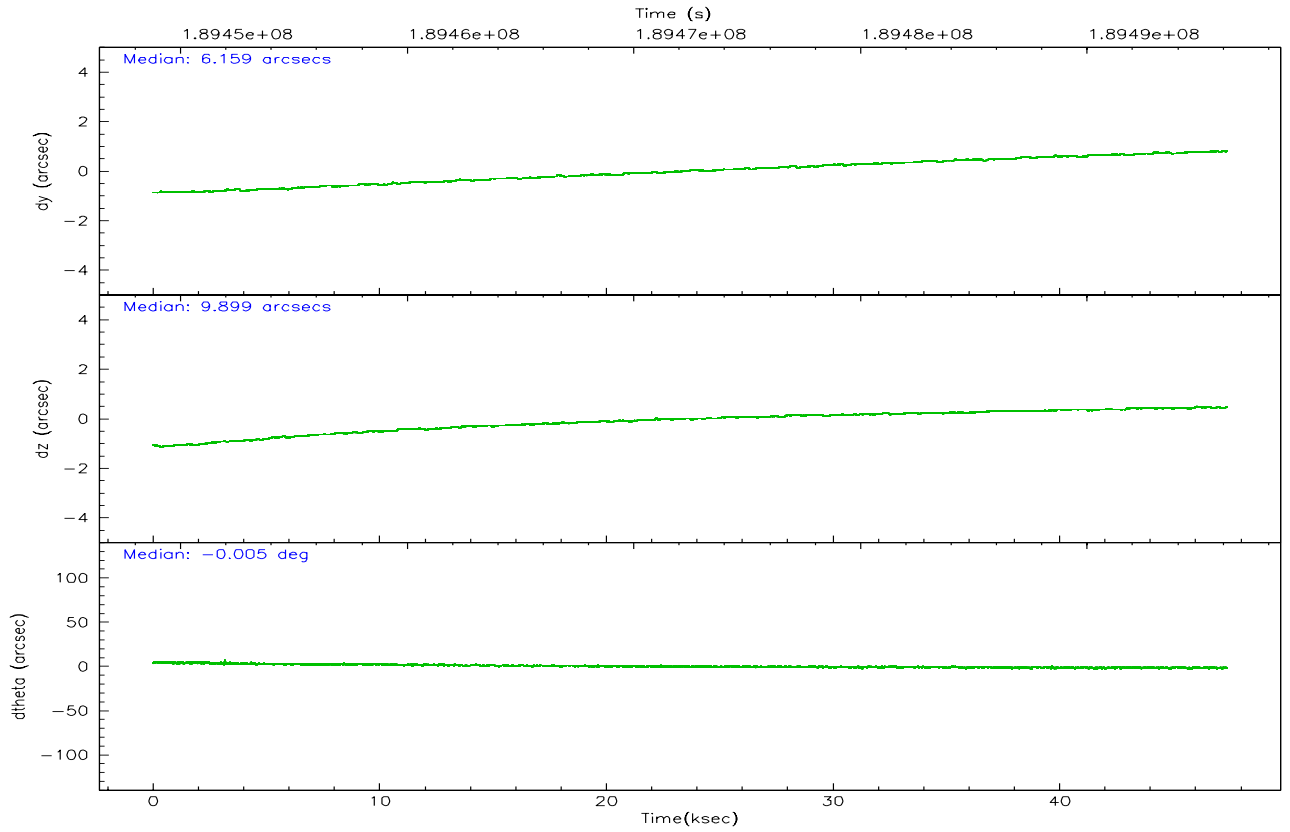
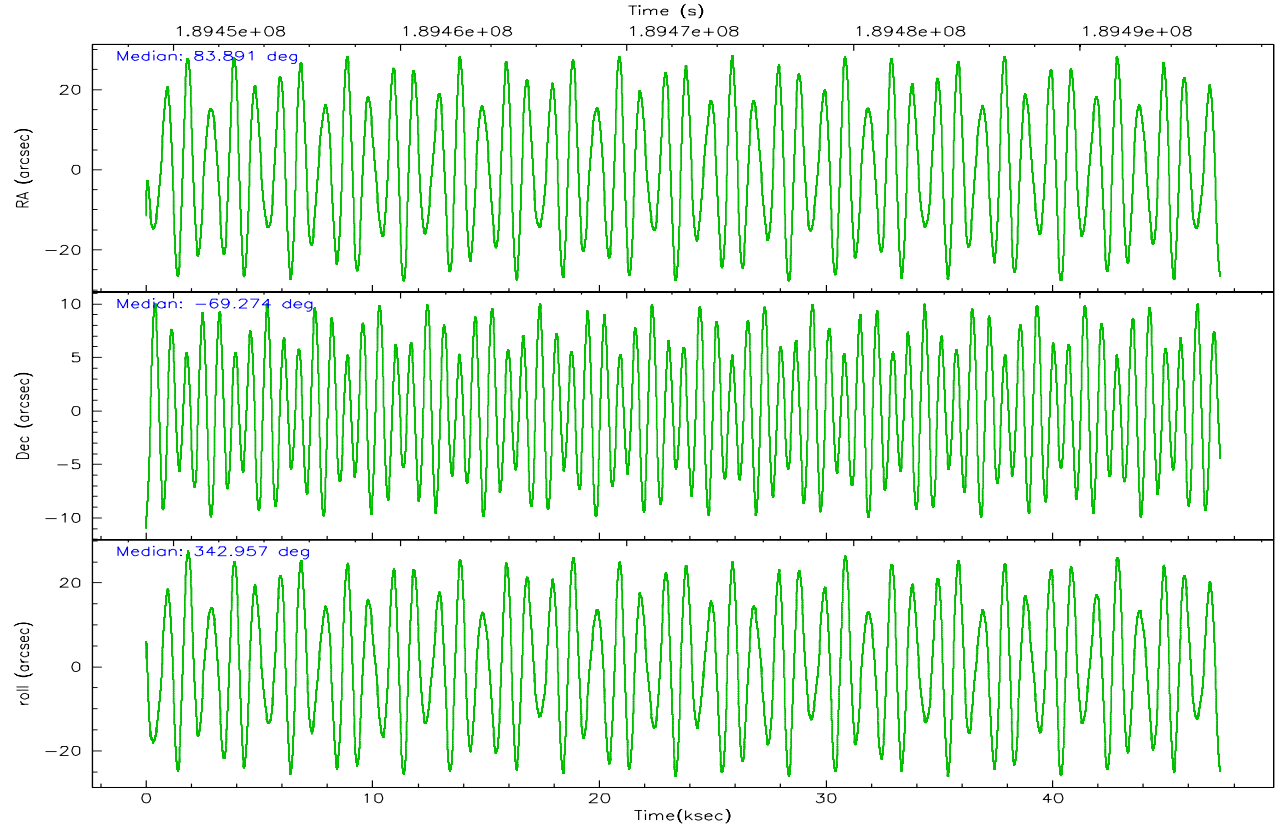


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23567	ACIS-23567	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	83.816206	83.89091328788518	Alternating exposures requested	N	N
Pointing Dec	-69.280608	-69.27415200555114	Primary exposure time	0.000000	3.1
Pointing Roll	342.741111	342.9676150660435			
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	189449175.184000	189448109.57929			
Observation start date	2004-01-02T16:45:11	2004-01-02T16:28:29			
Observation end time	189496175.184000	189496770.94391			
Observation end date	2004-01-03T05:48:31	2004-01-03T05:59:30			
Read mode	TIMED	TIMED			

## 2.3 Aspect



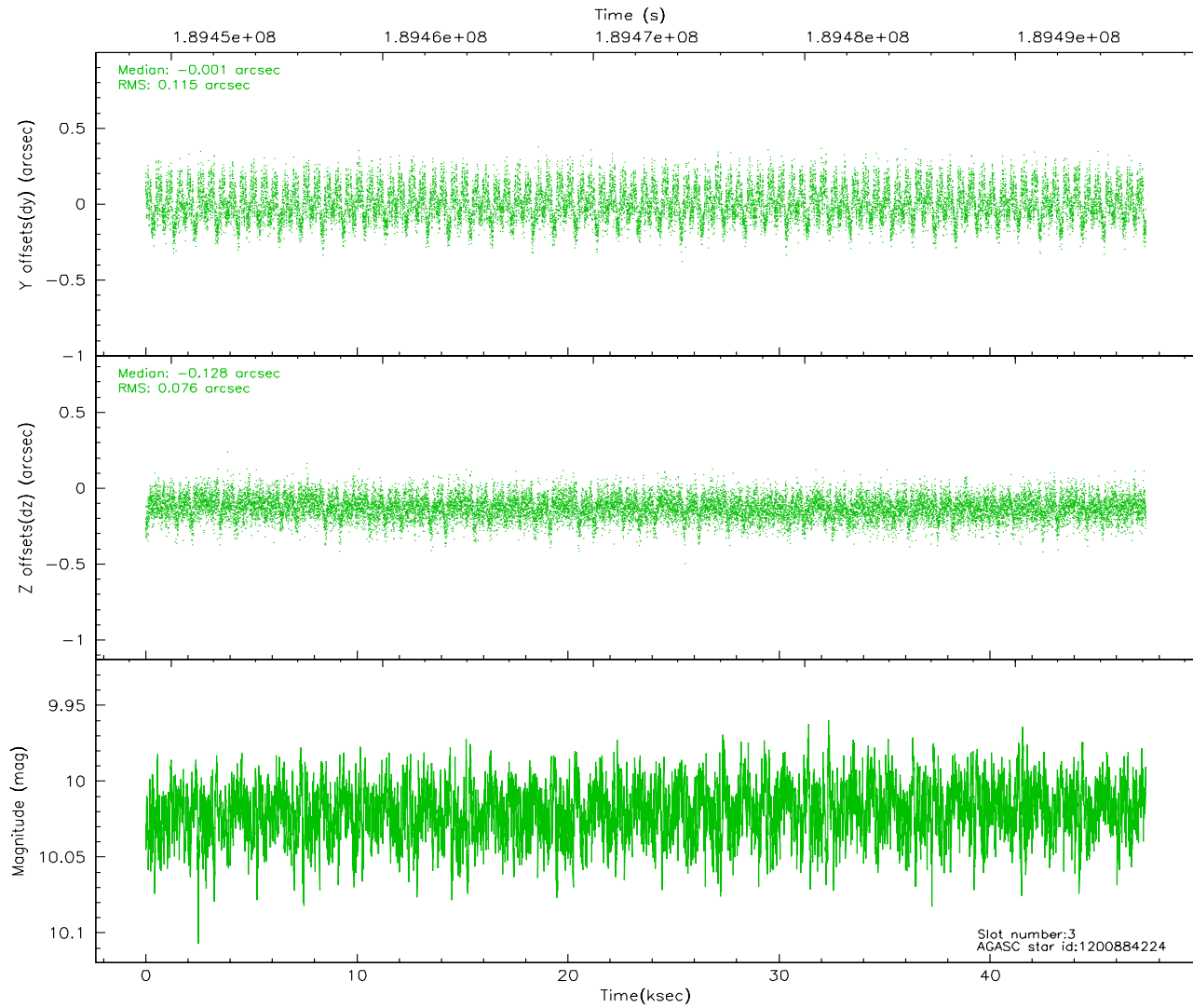
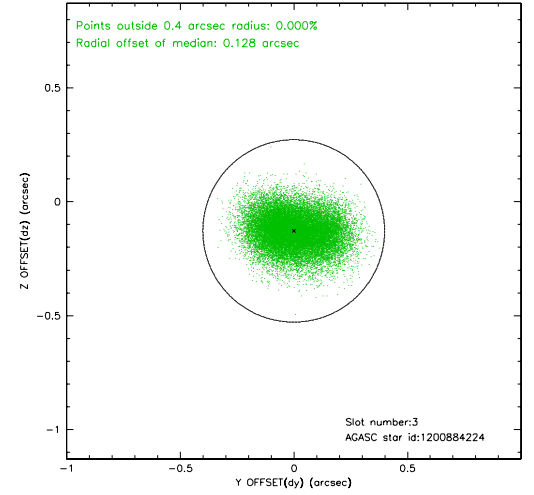
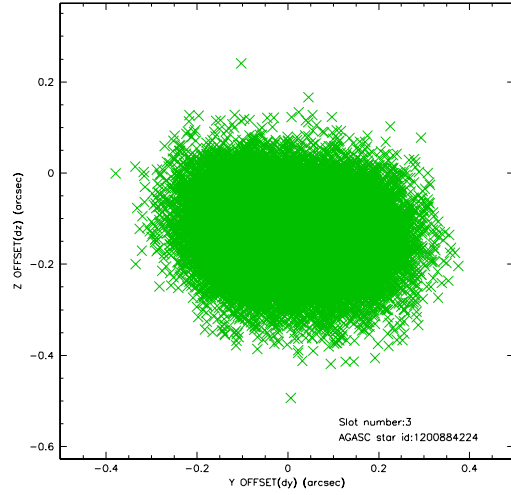


### Slot Statistics

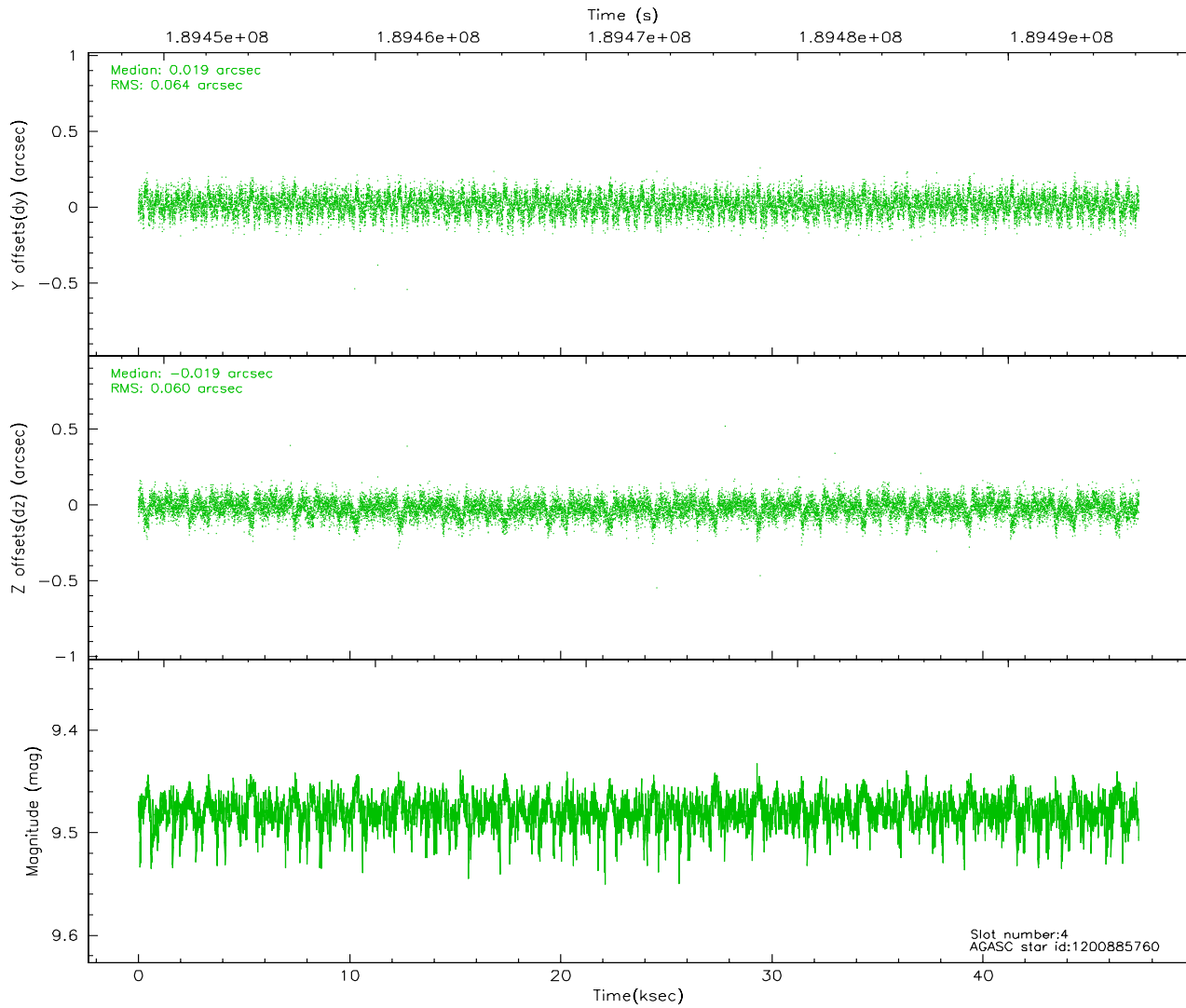
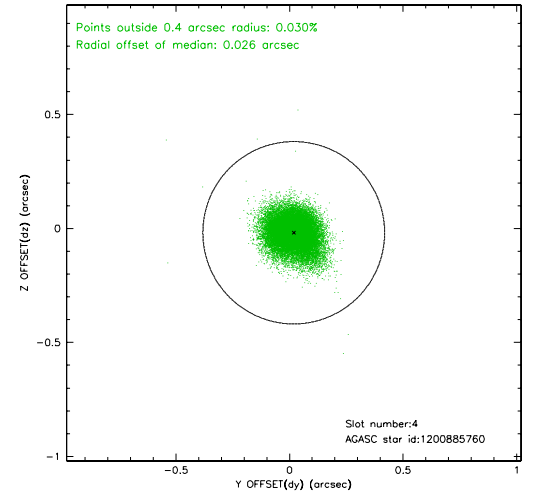
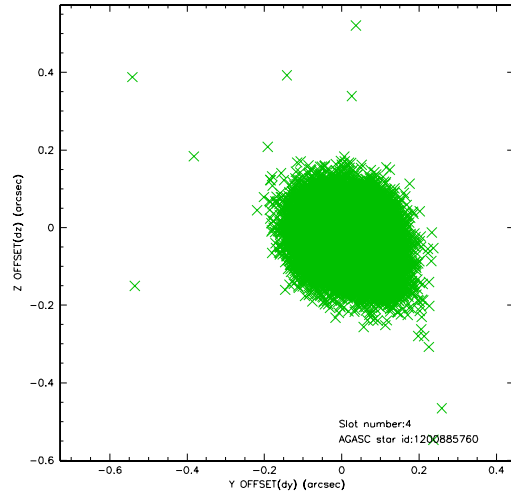
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	11561	-0.006	0.016	0.025	0.046	0.000000	0.000000	937.14	-1726.66
1	FID	ACIS-S-5	7.23	11561	-0.024	0.000	0.011	0.042	0.000000	0.000000	-1811.87	170.92
2	FID	ACIS-S-6	7.35	11559	0.013	-0.001	0.028	0.040	0.000000	0.000000	402.75	814.85
3	GUIDE	1200884224	10.02	23095	-0.001	-0.128	0.148	0.236	83.314443	-68.577335	-1380.67	2219.46
4	GUIDE	1200885760	9.48	23106	0.019	-0.019	0.093	0.151	83.723637	-68.777667	-652.47	1693.45
5	GUIDE	1201019200	9.47	23106	0.020	-0.044	0.109	0.175	84.213591	-68.777384	-42.59	1882.44
6	GUIDE	1201410616	9.34	23111	0.016	0.135	0.120	0.193	82.516808	-69.784406	-999.80	-2227.60
7	GUIDE	1201542672	8.20	23115	-0.056	0.070	0.080	0.127	84.492488	-69.957531	1521.73	-2082.79

## 2.4 Star Slots

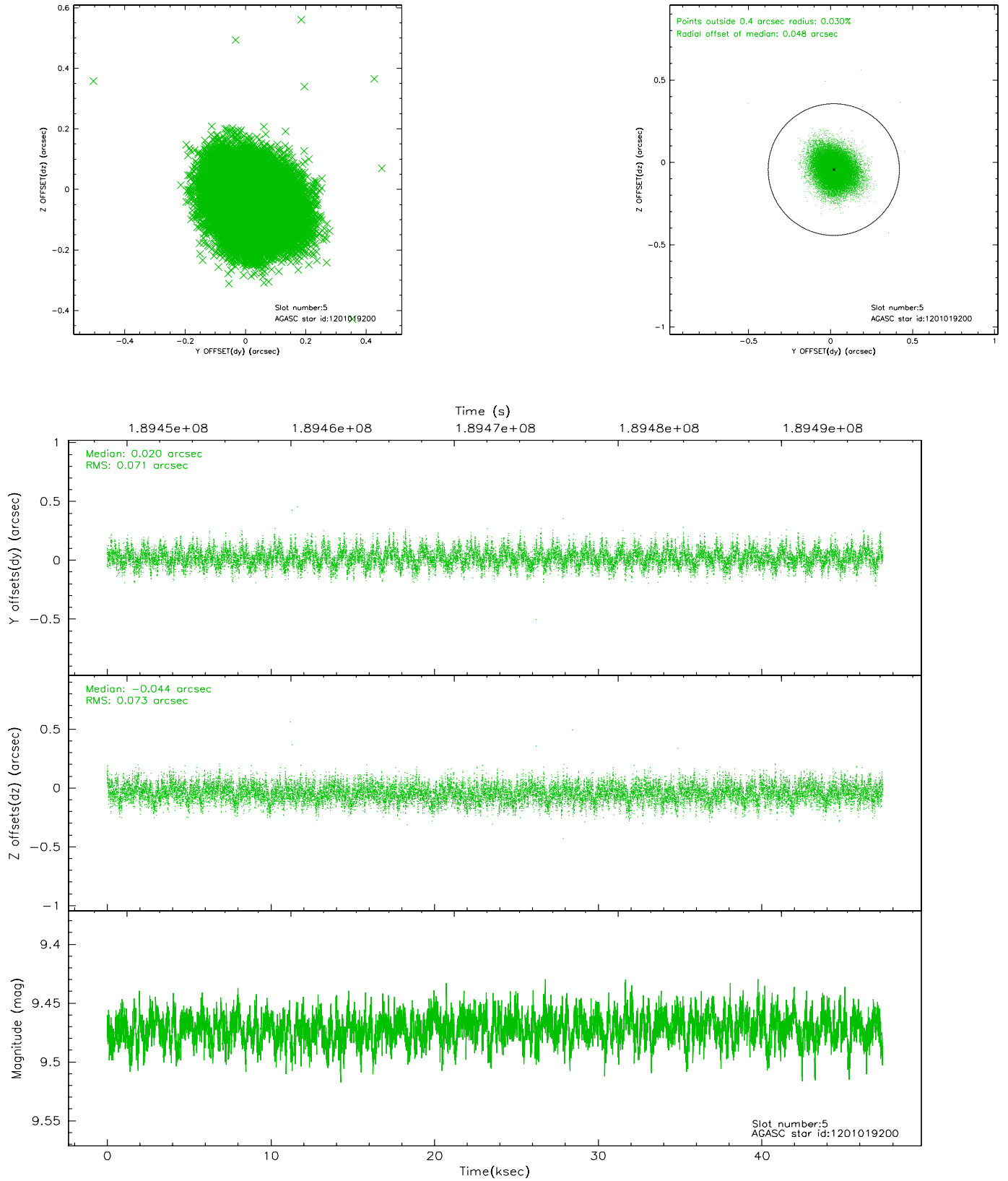
### 2.4.1 Slot 3



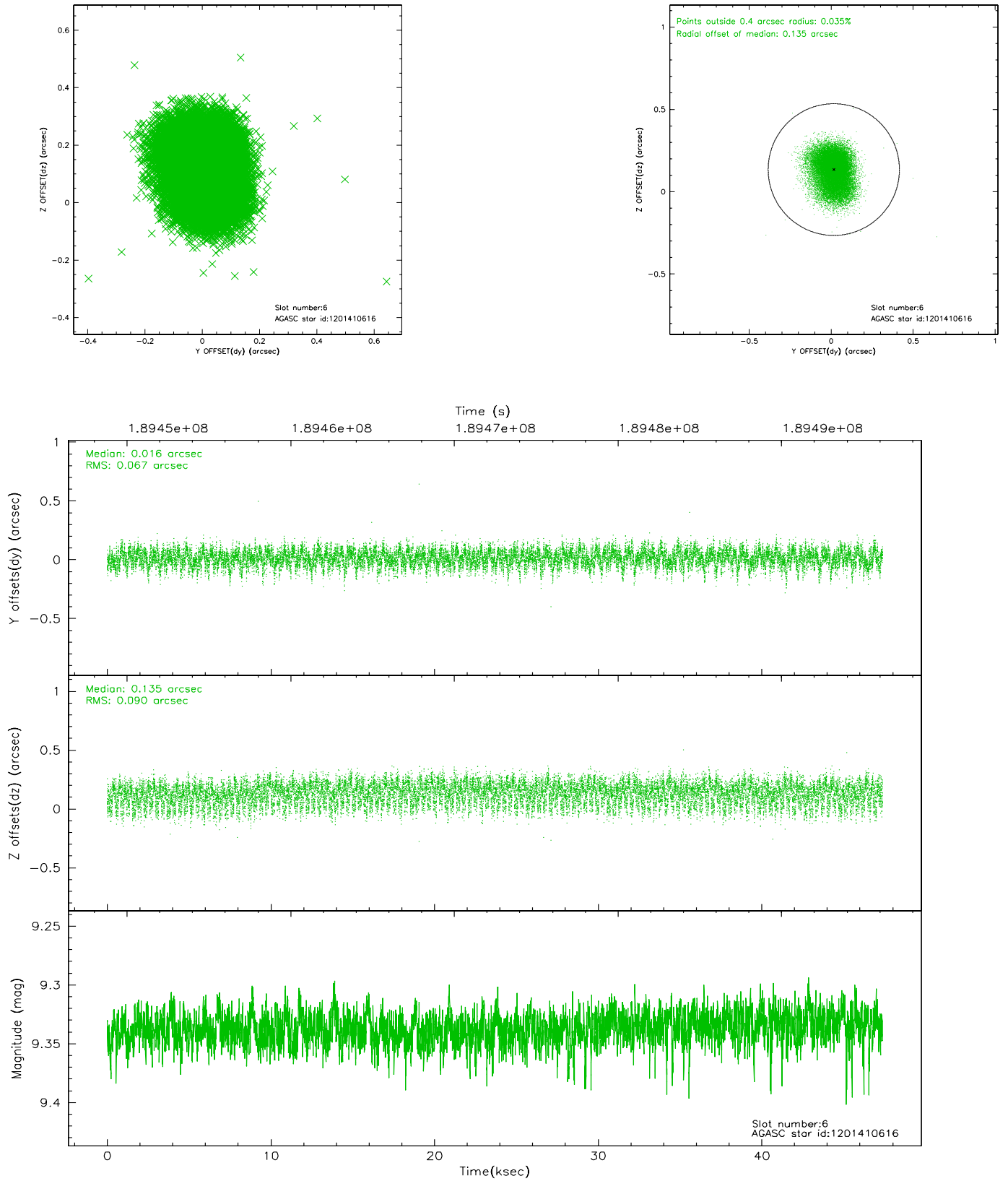
## 2.4.2 Slot 4



### 2.4.3 Slot 5

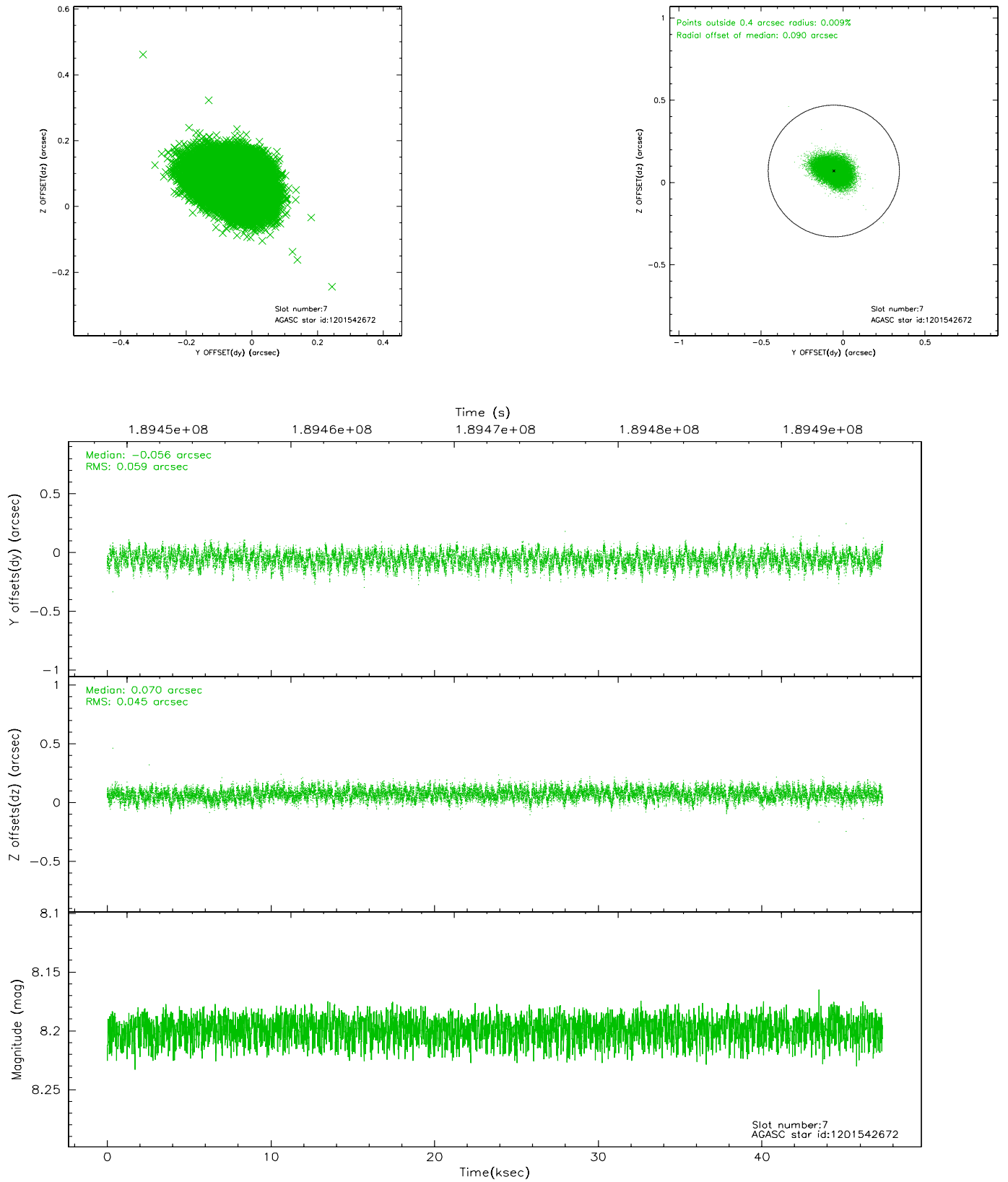


## 2.4.4 Slot 6



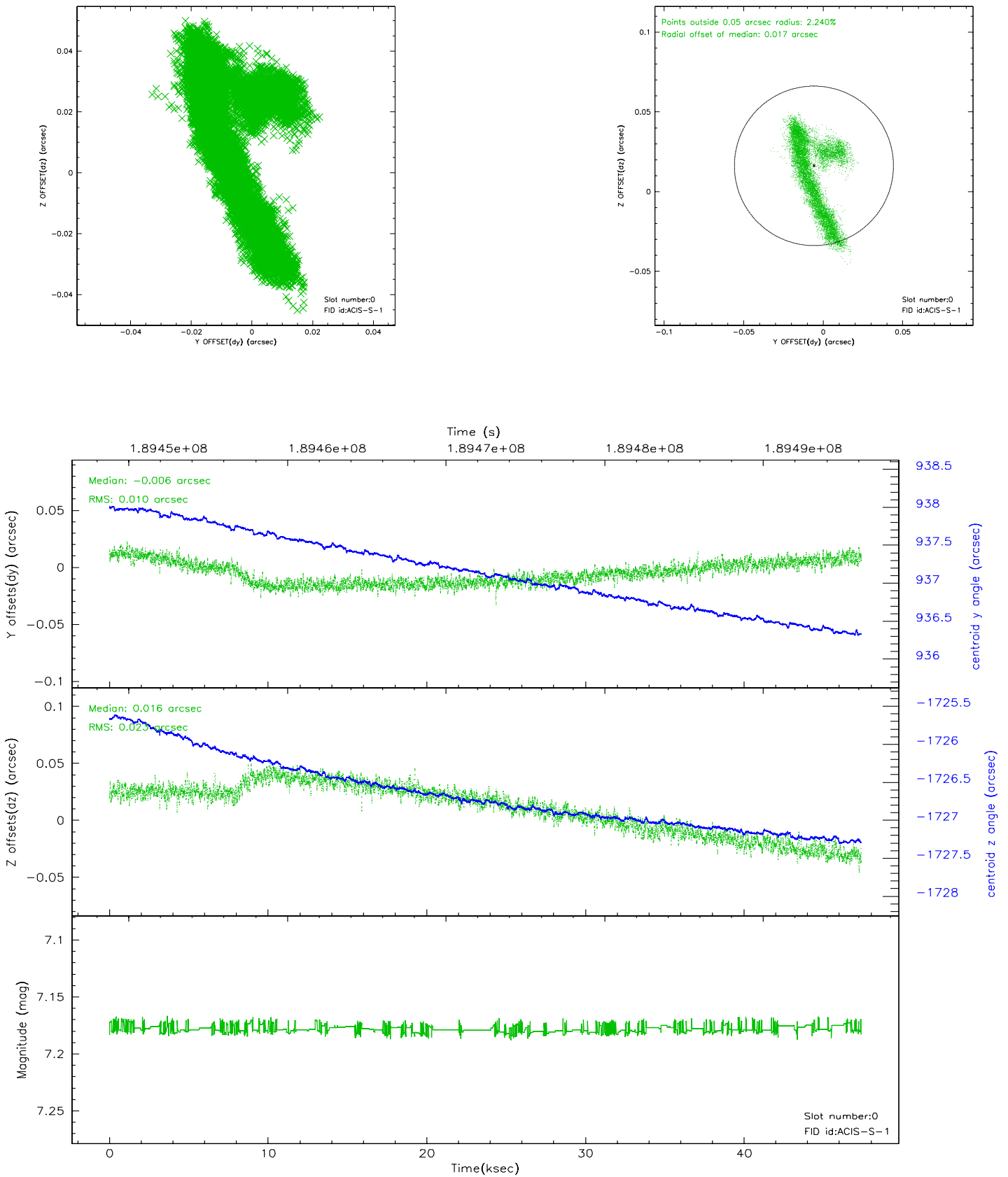


## 2.4.5 Slot 7

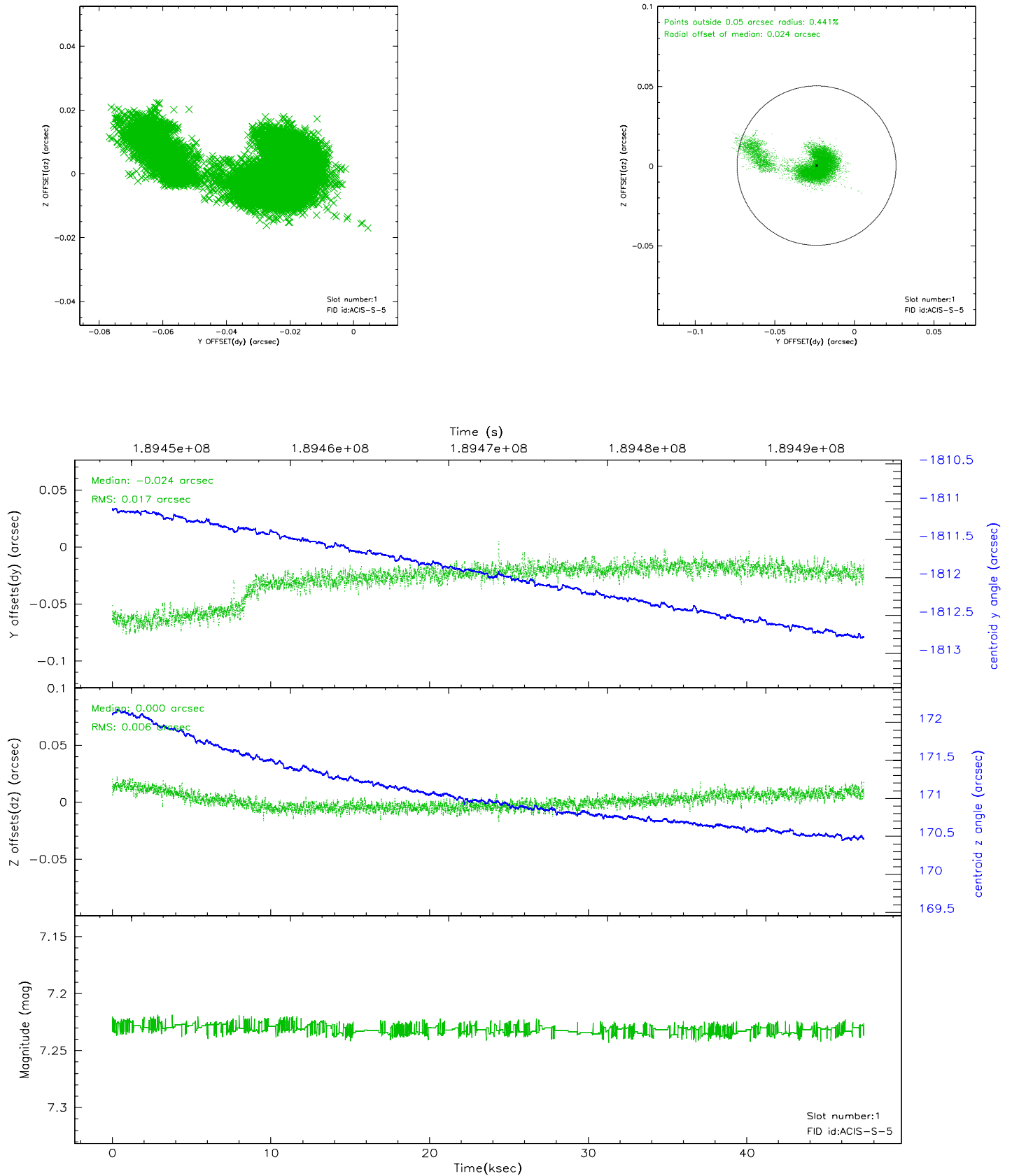


## 2.5 FID Slots

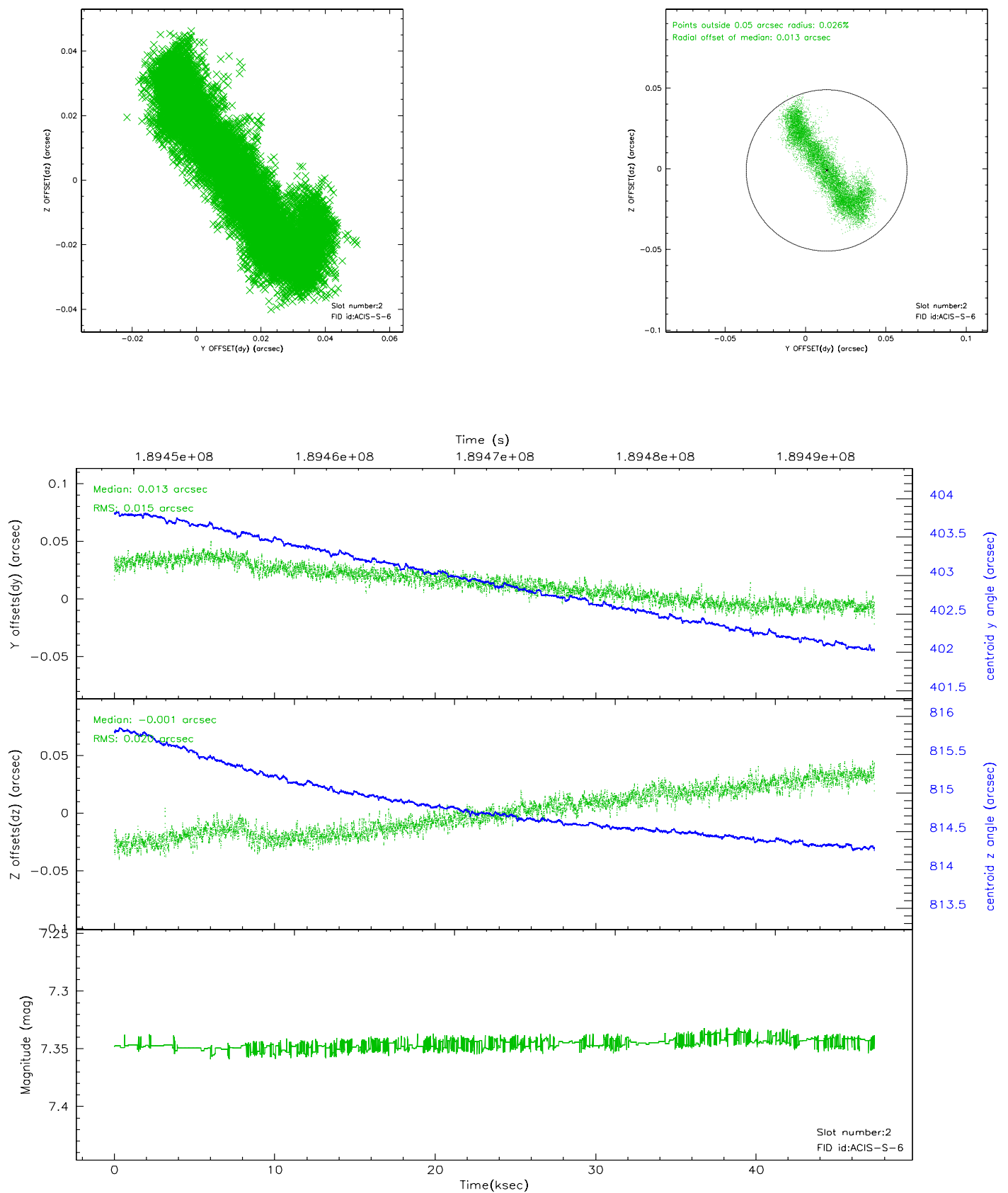
### 2.5.1 Slot 0



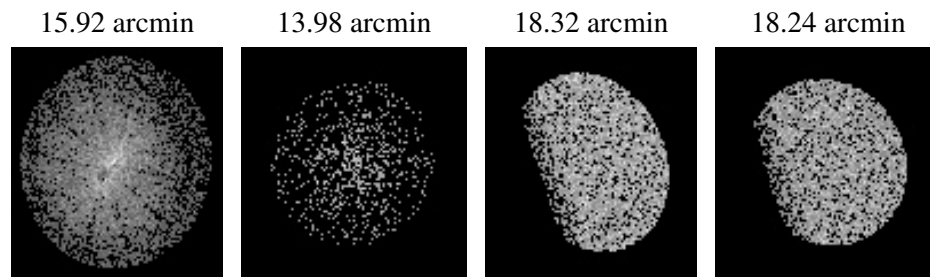
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	47.107

### A.2 Comments