

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4547 - L2 Version 001  
Chandra X-Ray Center

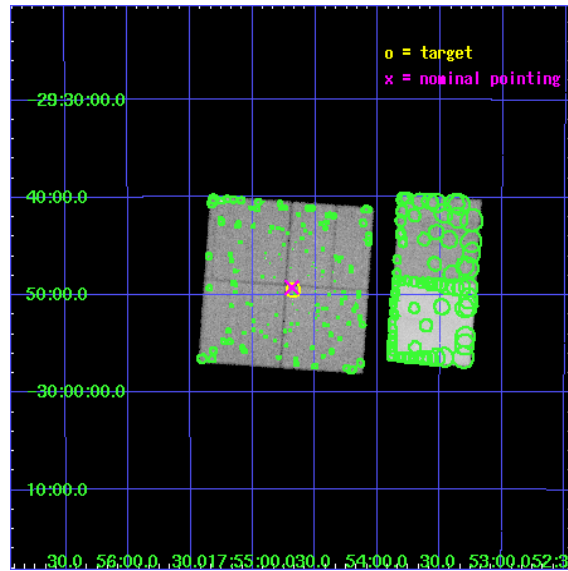
L2 Processing Date : Jun 2 2006

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# 1 Front

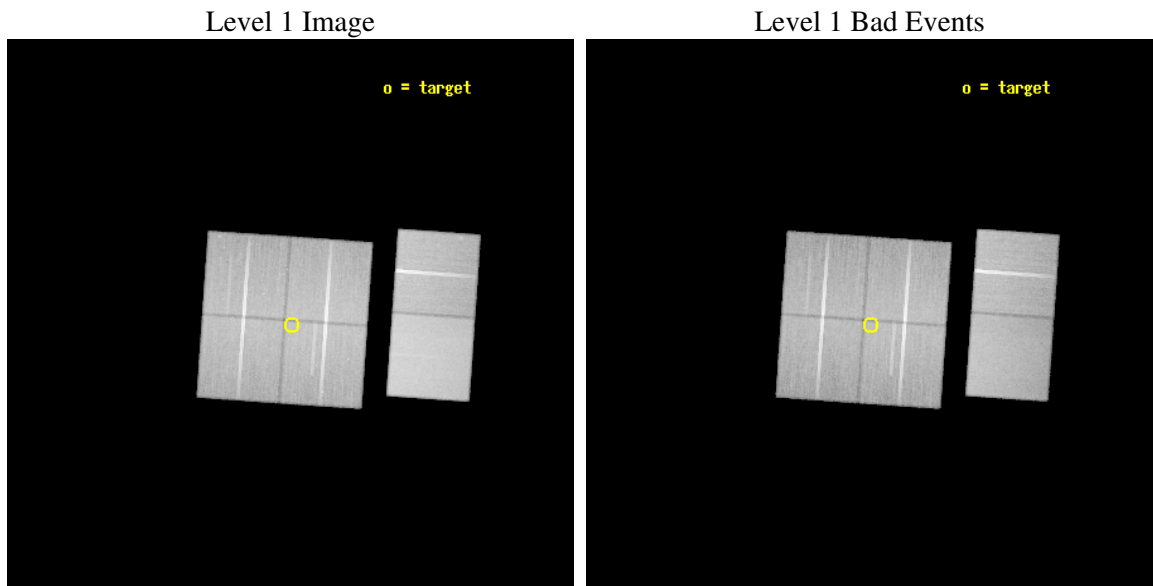
seq_num	300141
obs_id	4547
title	Galactic Bulge Deep Survey
observer	Prof. Jonathan Grindlay
object	Stanek window
dtcycle	0
cycle	P
ra_targ	268.67
dec_targ	-29.825556
ra_nom	268.67173090708
dec_nom	-29.82117997959
roll_nom	94.00955394702
revision	2
ontime	80255.999701023
livetime	79239.749908447
ontime0	80249.517770469
ontime1	80255.999701023
ontime2	80255.999701023
ontime3	80255.999701023
ontime6	80252.758840382
ontime7	80255.999701023
l2events	665363



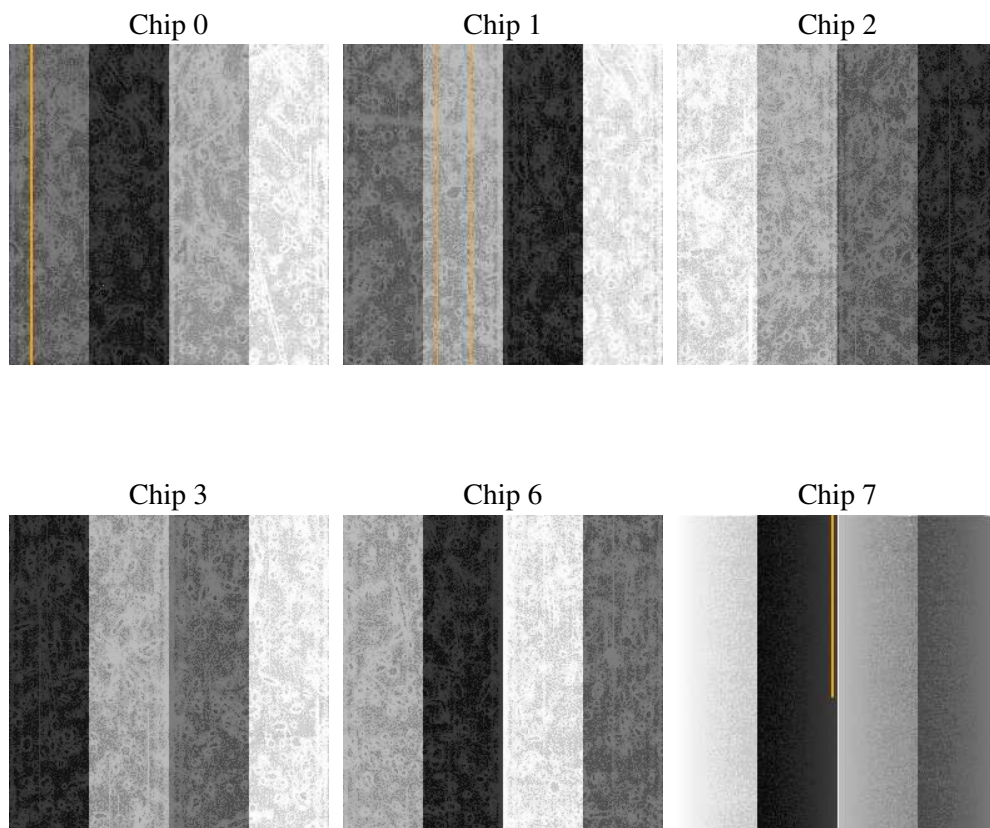
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-06-02T12:24:15
revision	2

sched_exp_time	80096.649000
ontime	80869.43663764
ontime0	80862.954707086
ontime1	80869.43663764
ontime2	80869.43663764
ontime3	80869.43663764
ontime6	80866.195776999
ontime7	80869.43663764
l1events	3369827

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	497049	496171	543183	533301	562226	737897
rejected events	414810	412840	457508	449761	474023	440477
rejected %	83%	83%	84%	84%	84%	59%

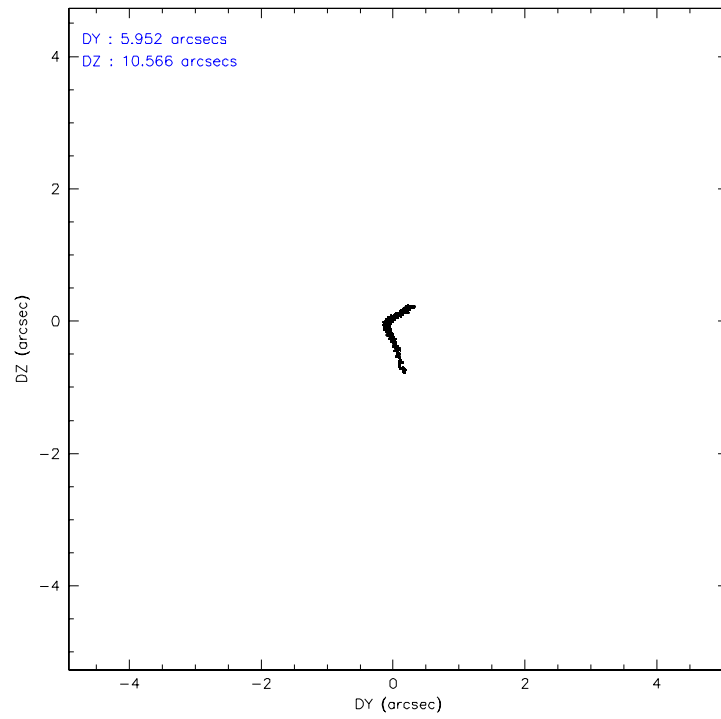
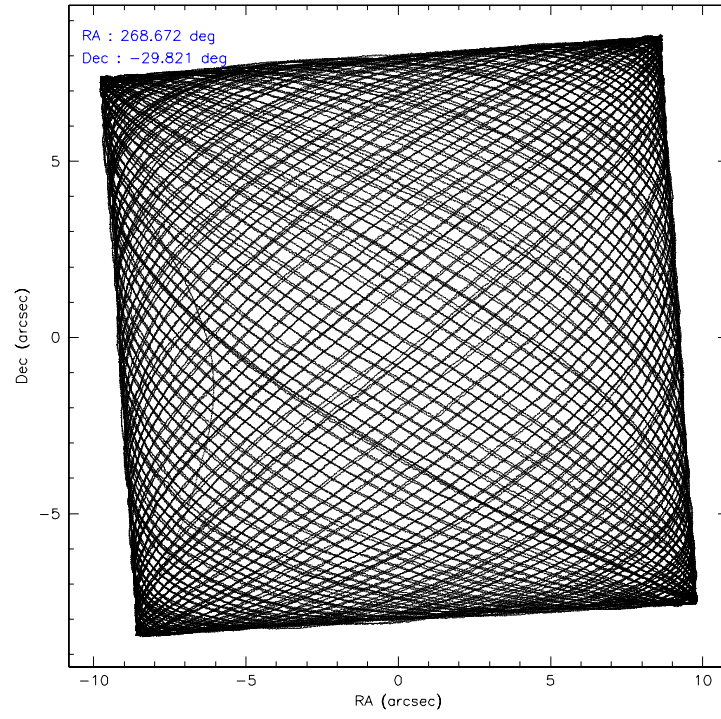
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	44506	42608	49135	46797	47077	23618
	8%	8%	9%	8%	8%	3%
grade 1 events	338	285	362	410	346	406
	0%	0%	0%	0%	0%	0%
grade 2 events	15032	15883	14725	14024	15448	75346
	3%	3%	2%	2%	2%	10%
grade 3 events	6757	6768	6466	6746	6745	17235
	1%	1%	1%	1%	1%	2%
grade 4 events	6484	6978	6465	6503	6870	16667
	1%	1%	1%	1%	1%	2%
grade 5 events	21383	22320	20807	23952	24910	47540
	4%	4%	3%	4%	4%	6%
grade 6 events	11512	13150	10669	11173	13269	167304
	2%	2%	1%	2%	2%	22%
grade 7 events	391037	388179	434554	423696	447561	389781
	78%	78%	80%	79%	79%	52%

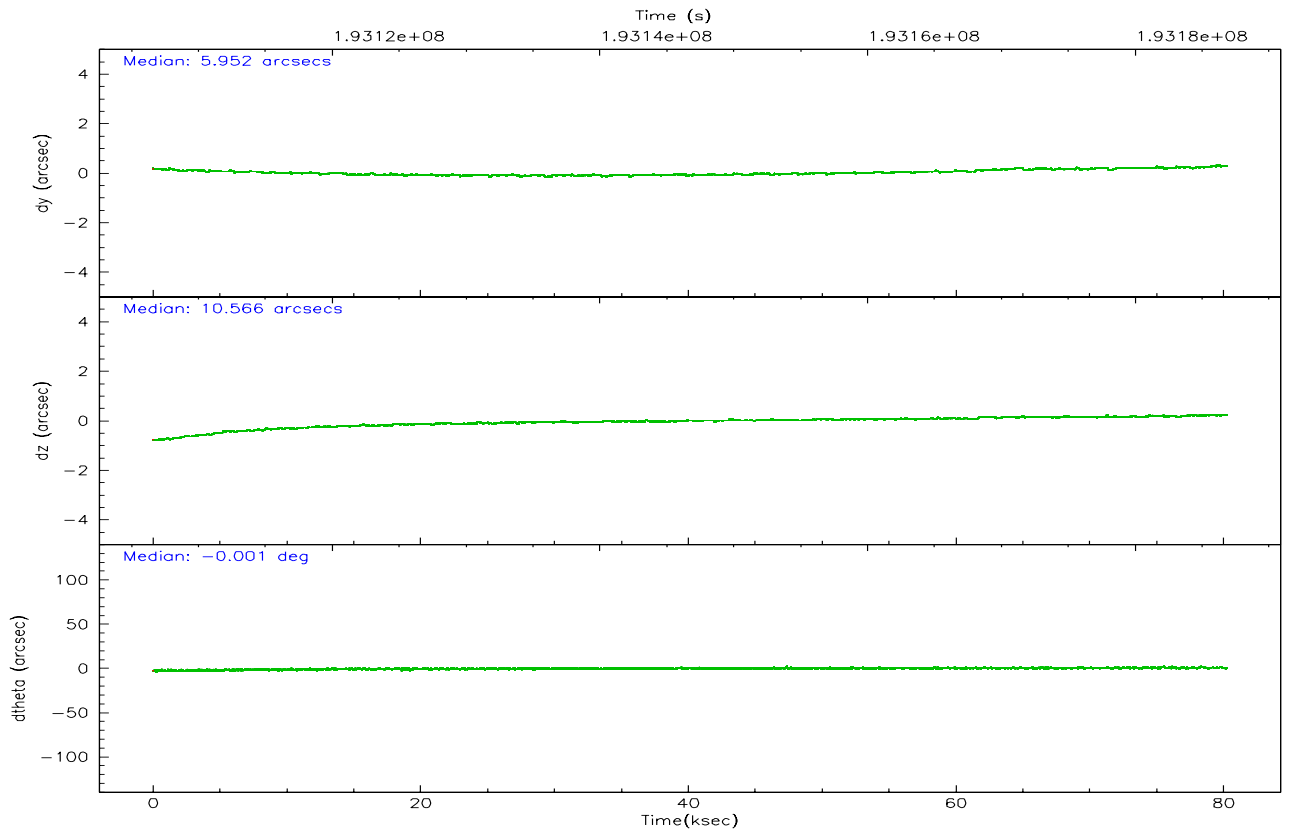
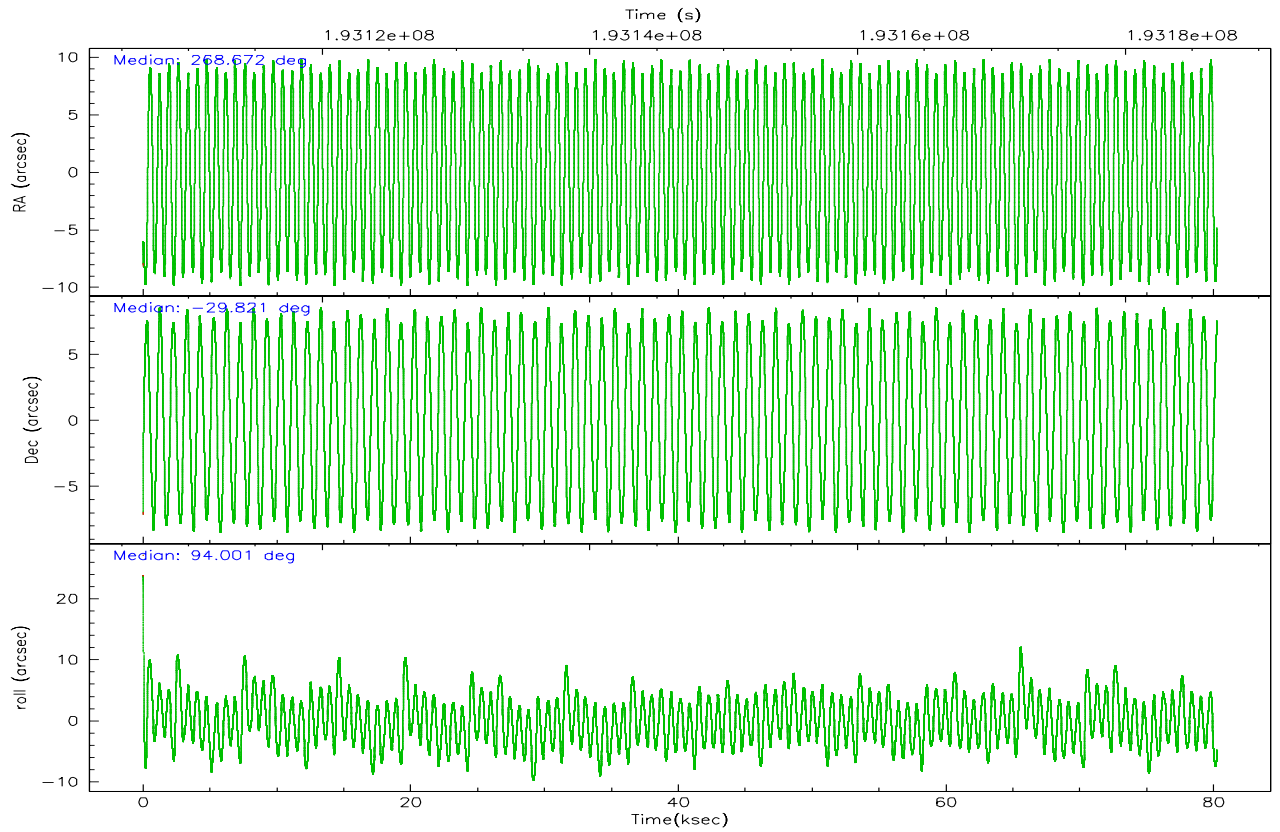


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	268.689497	268.671730907077	Alternating exposures requested	N	N
Pointing Dec	-29.843806	-29.82117997958995	Primary exposure time	0.000000	3.2
Pointing Roll	93.809701	94.00955394702032			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	193106776.184000	193105413.26388			
Observation start date	2004-02-14T00:45:12	2004-02-14T00:23:33			
Observation end time	193186873.184000	193188580.23002			
Observation end date	2004-02-14T23:00:09	2004-02-14T23:29:40			
Read mode	TIMED	TIMED			

## 2.3 Aspect



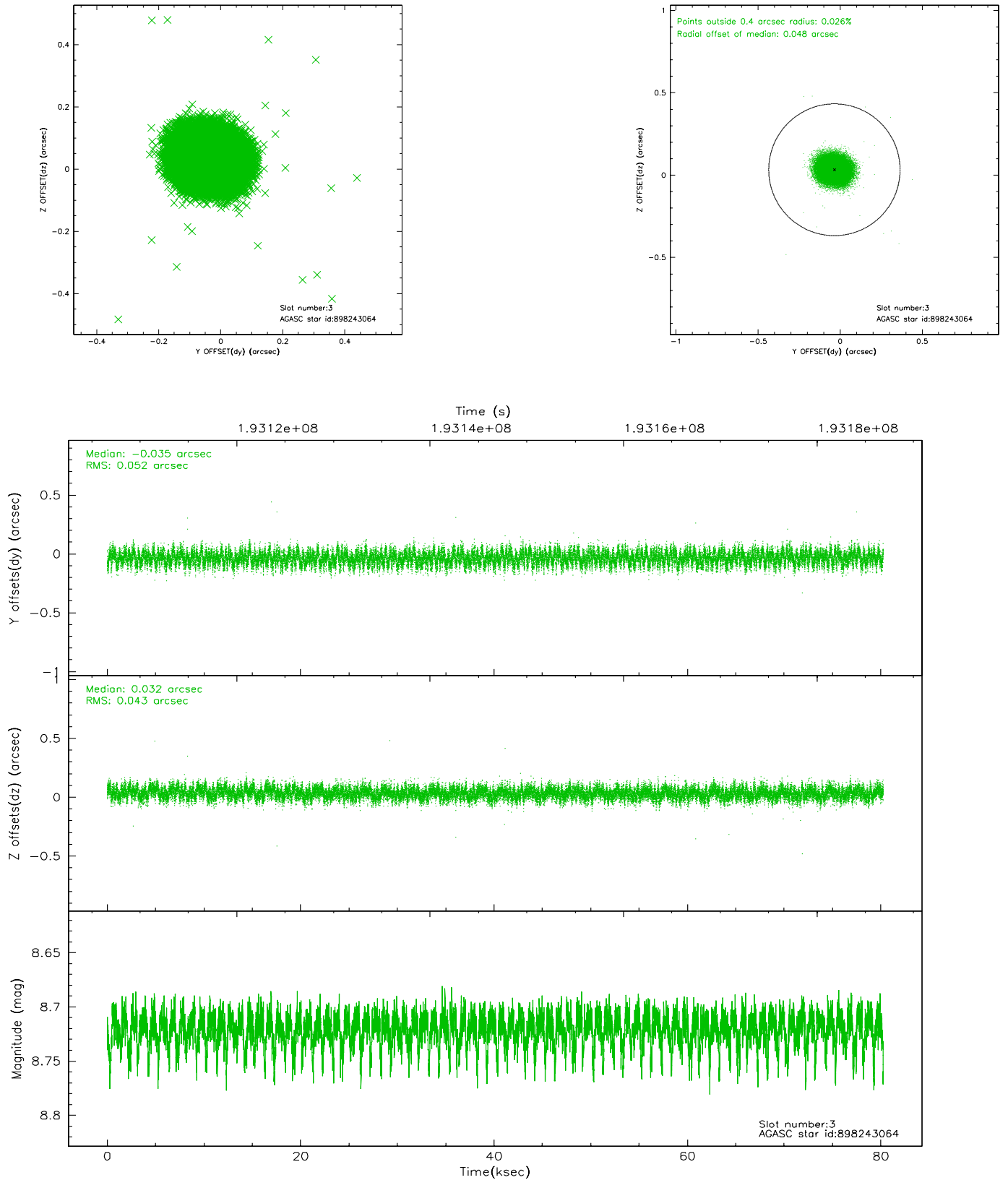


### Slot Statistics

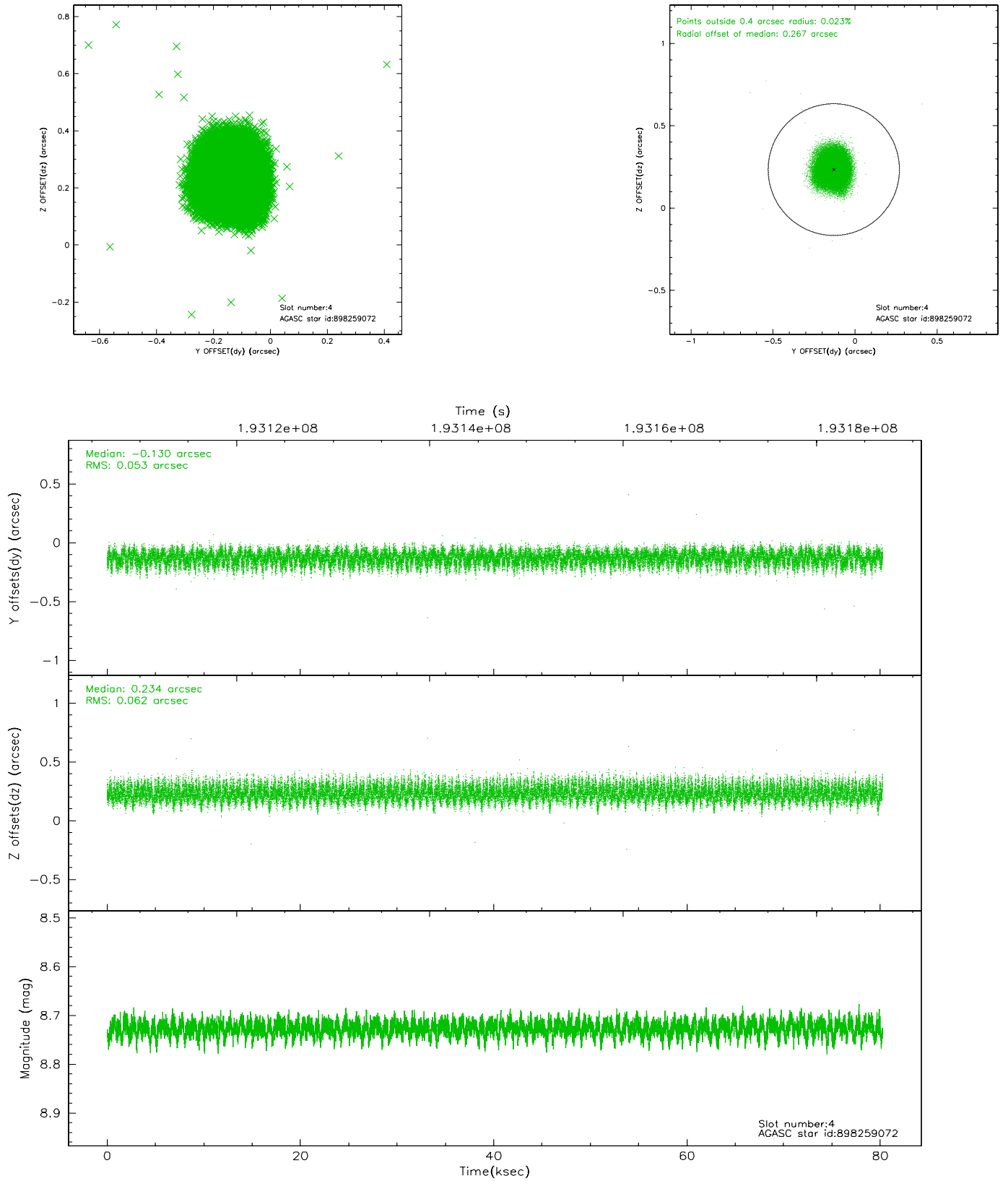
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	19576	0.001	0.026	0.010	0.027	0.000000	0.000000	933.72	-833.98
1	FID	ACIS-I-5	7.23	19577	-0.118	0.035	0.008	0.014	0.000000	0.000000	-1814.53	1063.58
2	FID	ACIS-I-6	7.25	19575	0.027	0.009	0.009	0.018	0.000000	0.000000	399.40	1707.95
3	GUIDE	898243064	8.72	39146	-0.035	0.032	0.073	0.114	268.852106	-29.678564	559.59	-546.59
4	GUIDE	898259072	8.73	39140	-0.130	0.234	0.087	0.137	269.401862	-29.860959	-215.87	-2214.06
5	GUIDE	967057128	9.35	39067	0.075	-0.196	0.117	0.190	267.996939	-30.494743	-2202.12	2299.57
6	GUIDE	967070136	8.73	39144	0.092	0.120	0.087	0.142	269.219754	-30.286661	-1703.67	-1538.38
7	GUIDE	967053960	9.24	39143	-0.005	-0.190	0.081	0.133	268.185736	-30.091336	-788.45	1625.06

## 2.4 Star Slots

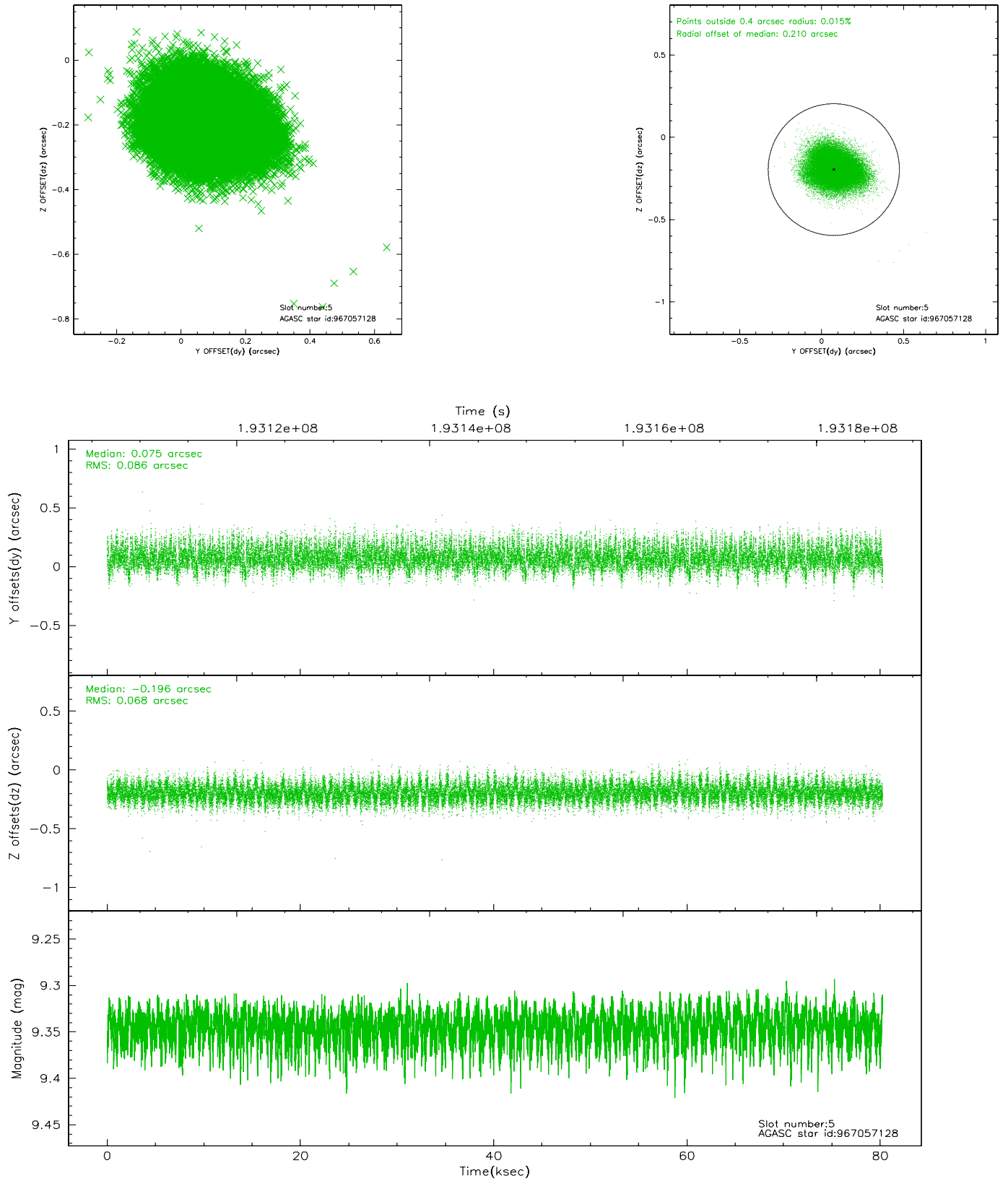
### 2.4.1 Slot 3



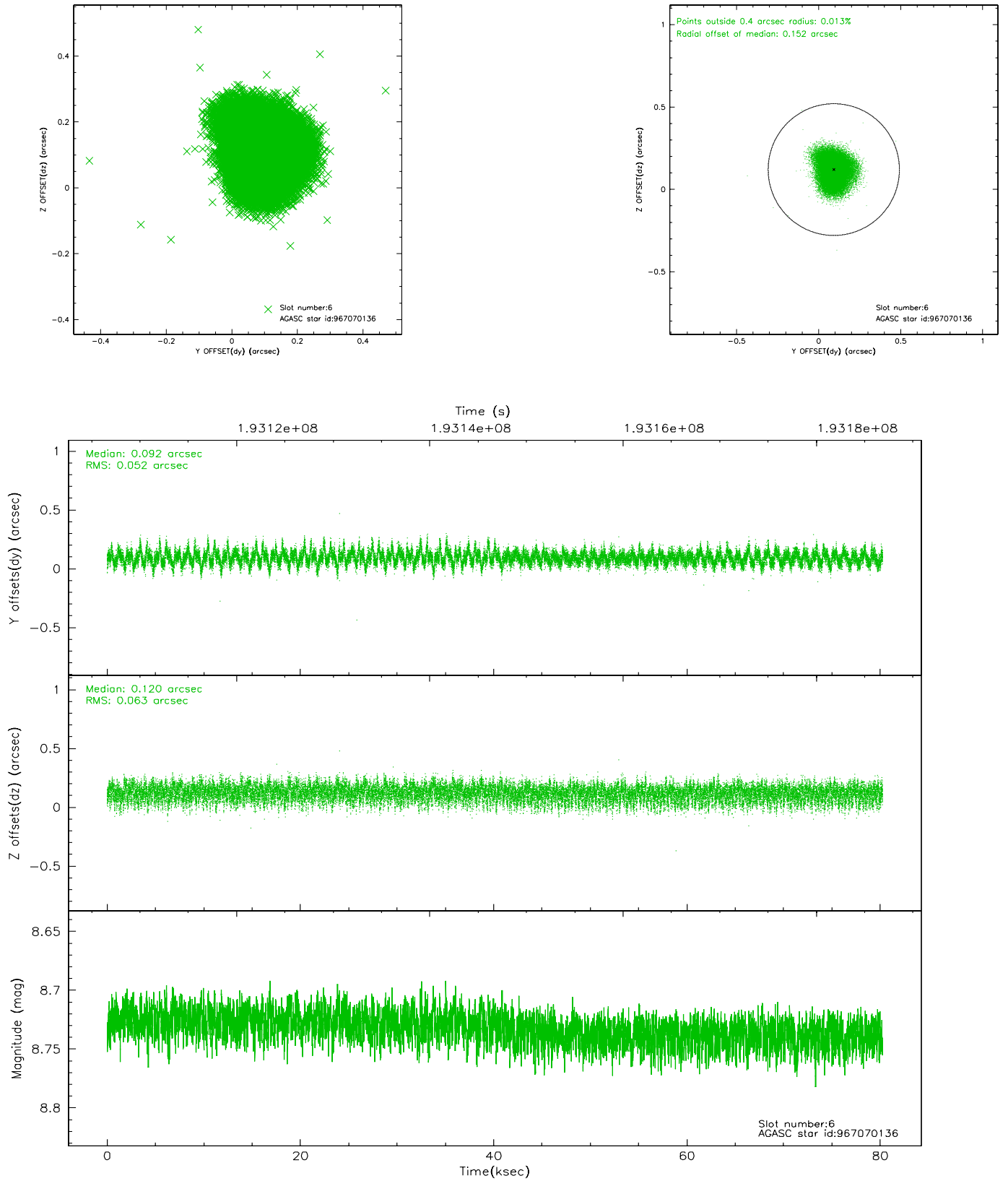
## 2.4.2 Slot 4



### 2.4.3 Slot 5

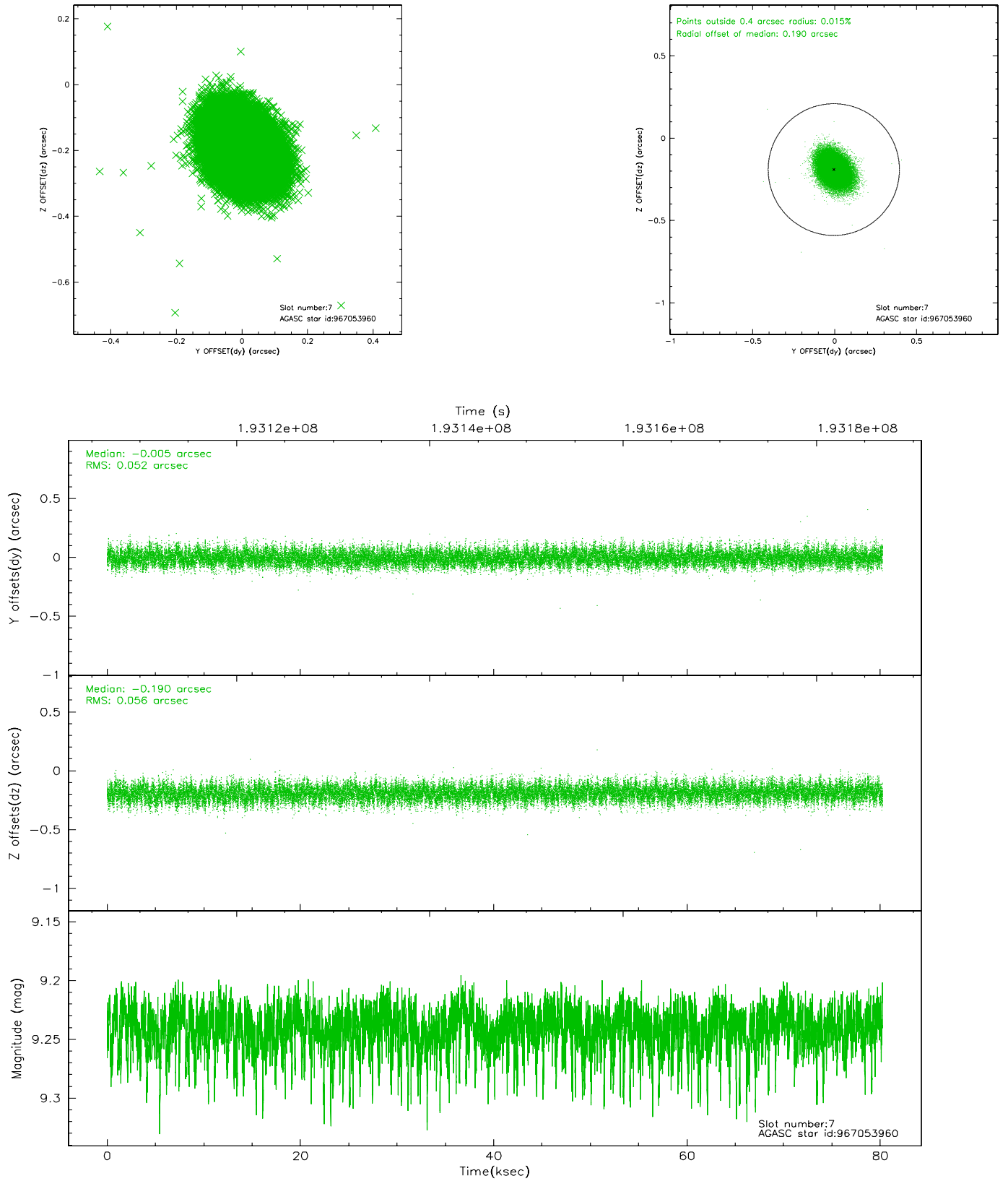


## 2.4.4 Slot 6



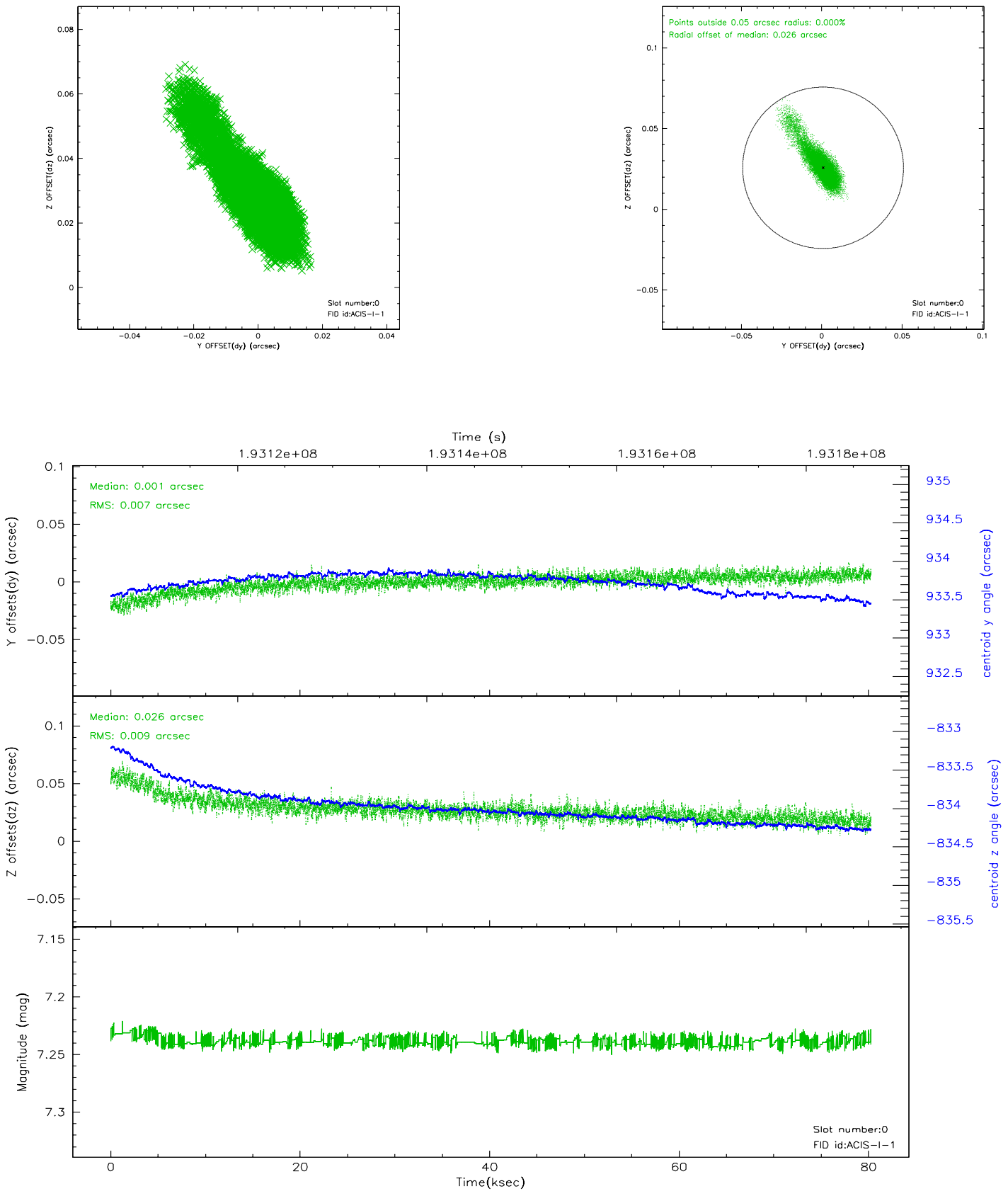


## 2.4.5 Slot 7

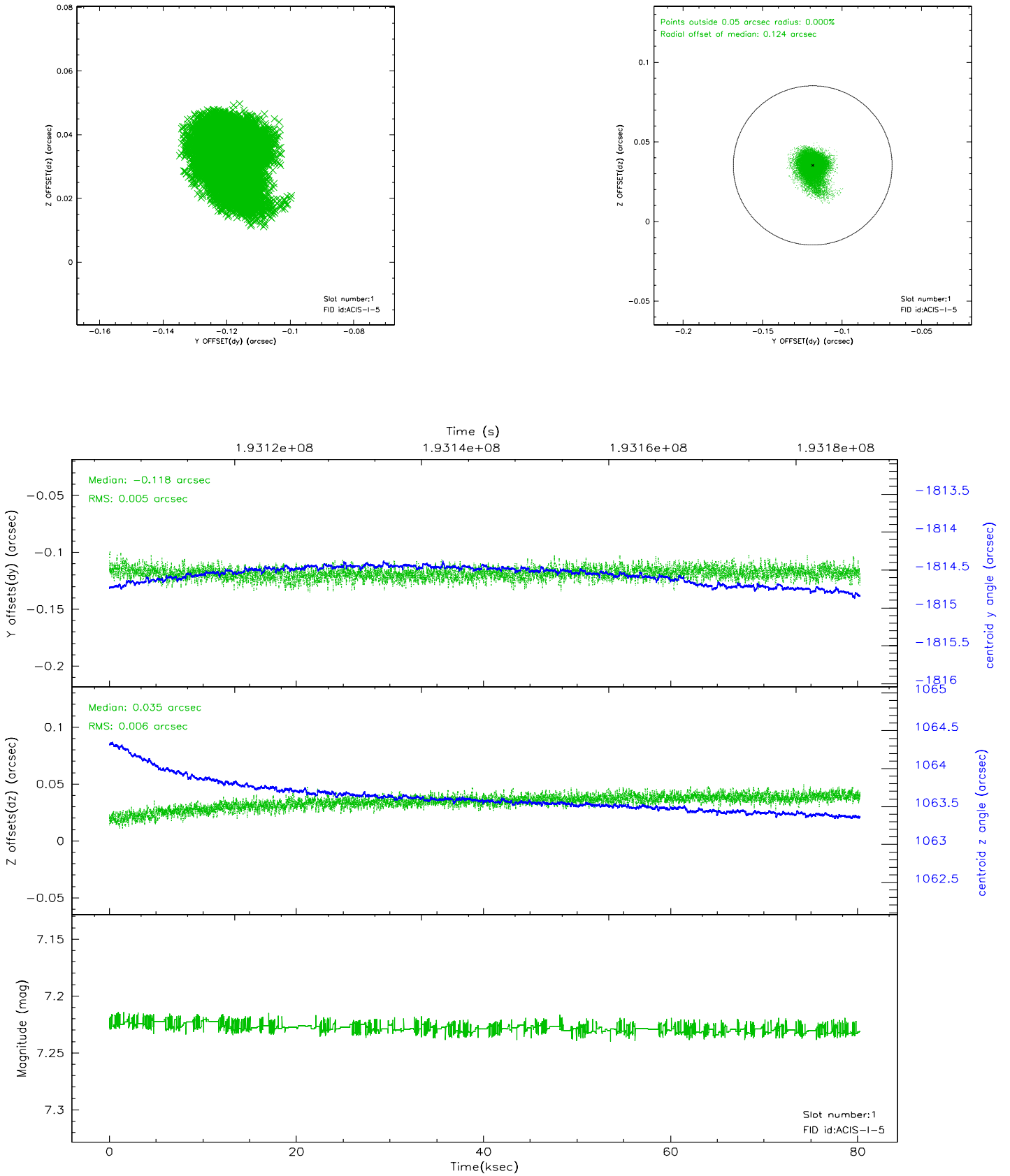


## 2.5 FID Slots

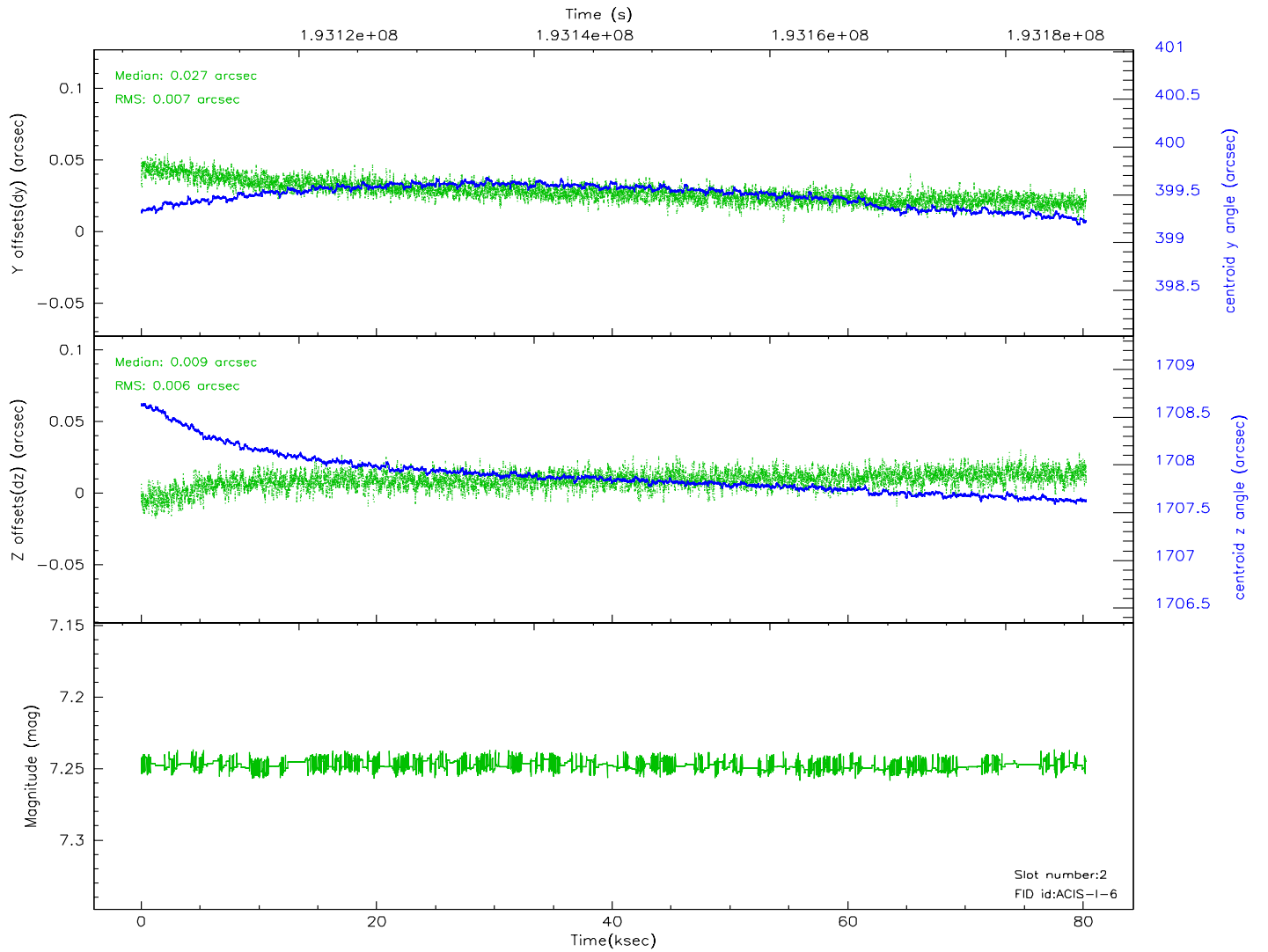
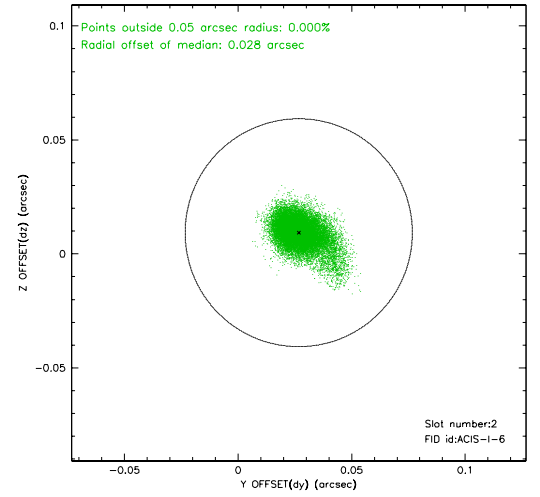
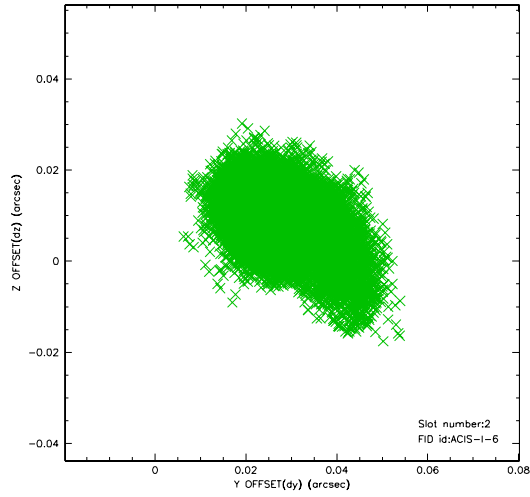
### 2.5.1 Slot 0



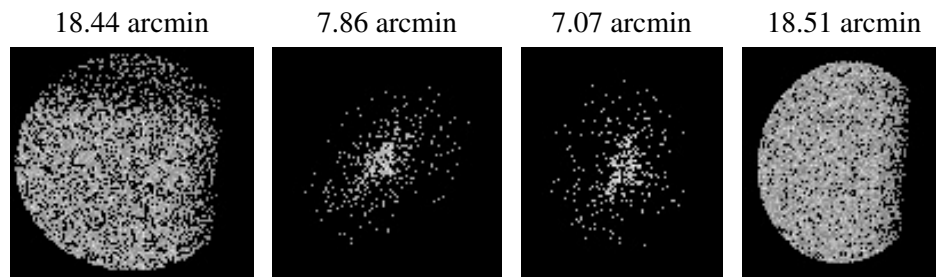
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	80.255

### A.2 Comments