

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3346 - L2 Version 001  
Chandra X-Ray Center

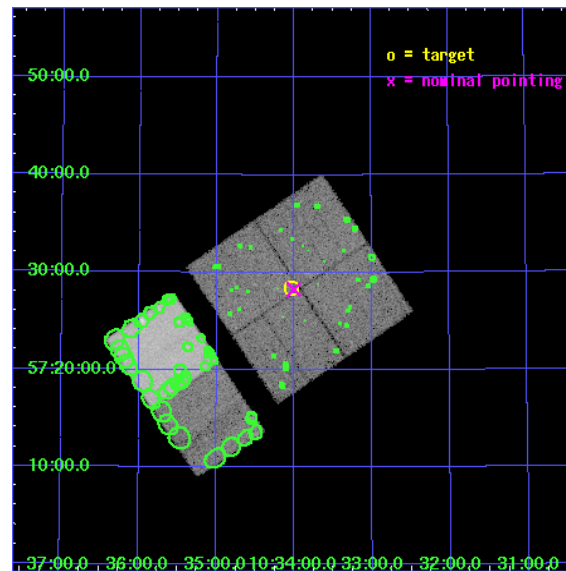
L2 Processing Date : Sep 14 2006

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# 1 Front

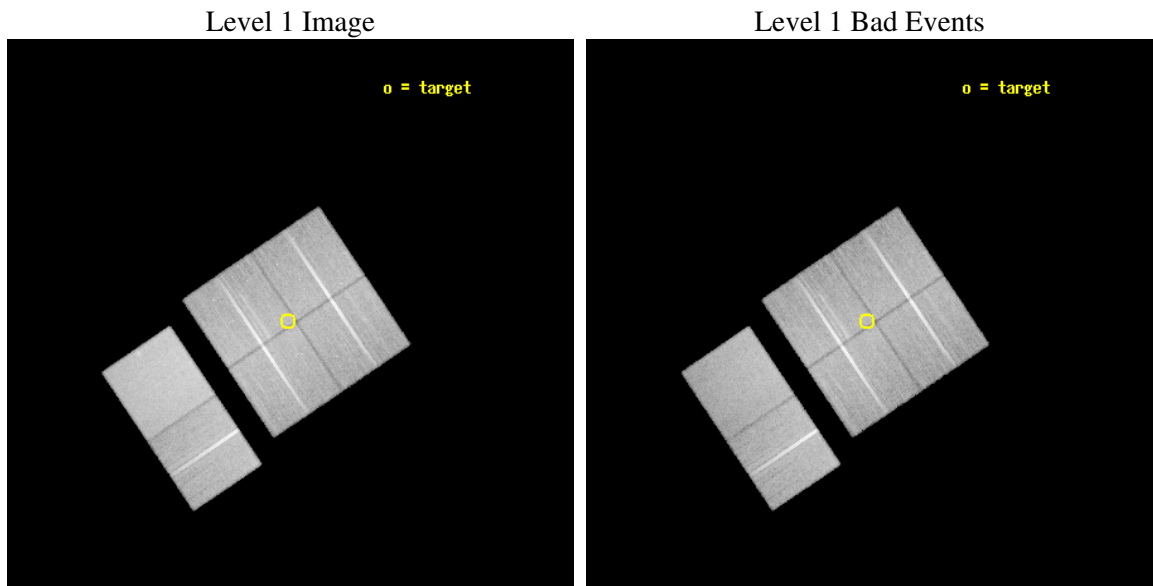
seq_num	900185
obs_id	3346
title	WIDE-FIELD CHANDRA SURVEY OF THE LOCKMAN HOLE-NORTHWEST
observer	Prof. AMY BARGER
object	LH-NW-5
dtcycle	0
cycle	P
ra_targ	158.508759
dec_targ	57.47361
ra_nom	158.50149002243
dec_nom	57.471054405583
roll_nom	236.08207149269
revision	2
ontime	38697.517915398
livetime	38207.506642705
ontime0	38700.758885562
ontime1	38703.999855816
ontime2	38694.276935101
ontime3	38697.517915398
ontime6	38703.999855816
ontime7	38703.999855816
l2events	247657



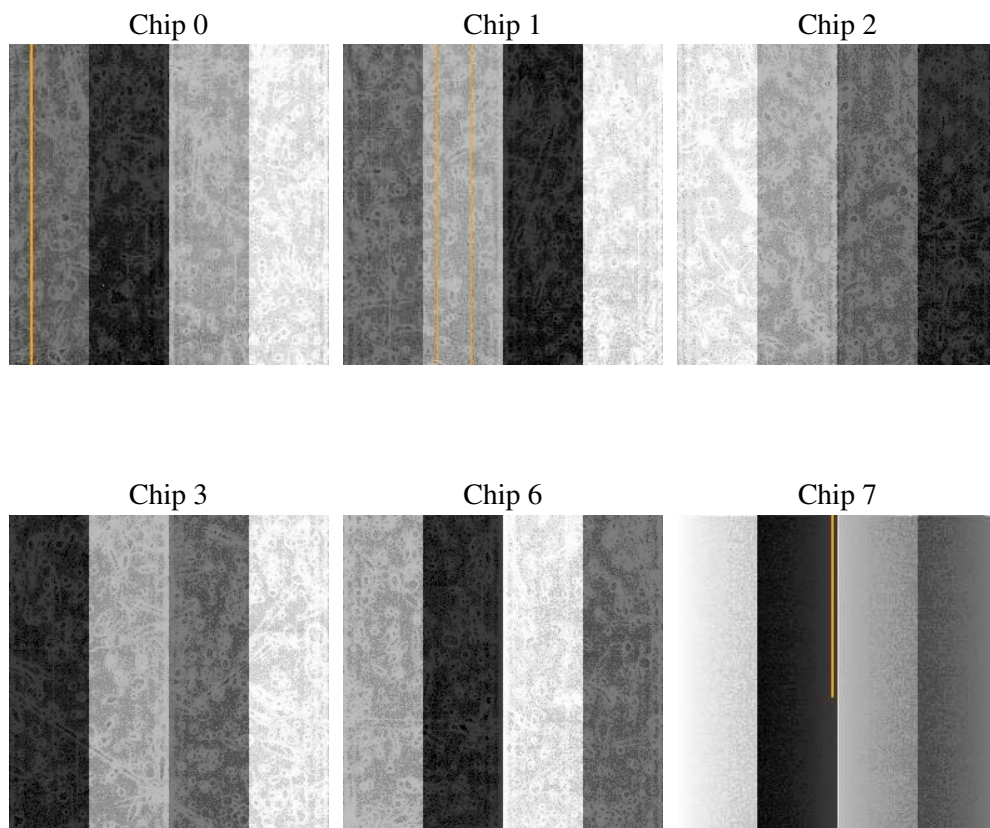
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-09-14T22:25:11
revision	2

sched_exp_time	39000.000000
ontime	38700.777917624
ontime0	38704.01891768
ontime1	38707.259858042
ontime2	38697.536967218
ontime3	38700.777917624
ontime6	38707.259858042
ontime7	38707.259887934
l1events	1518123

### 2.1.4 Events

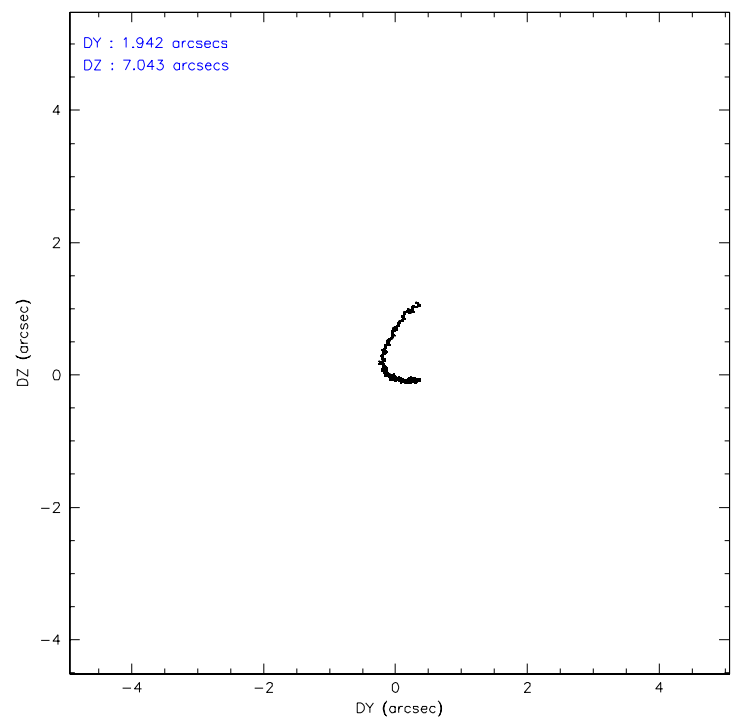
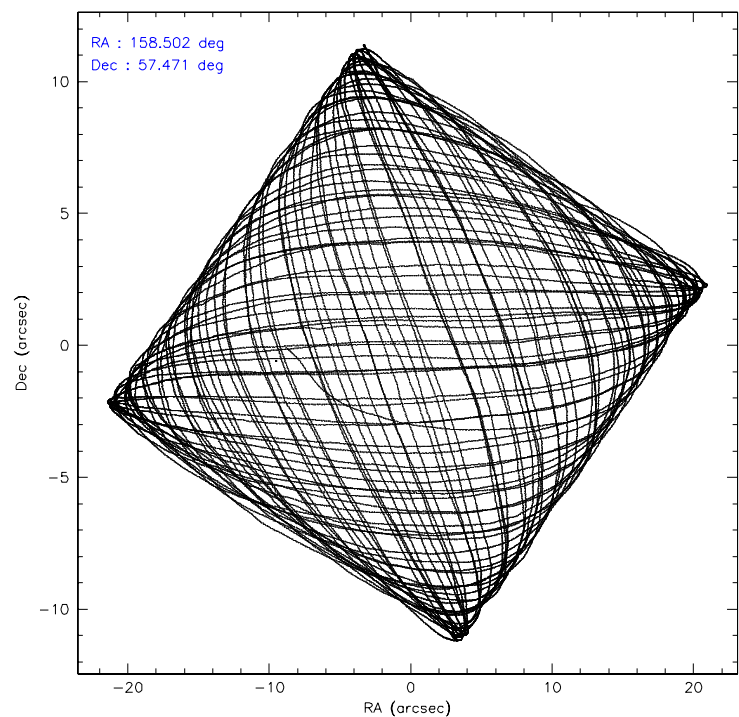
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	225804	228448	242170	242723	255414	323564
rejected events	196211	197524	213687	214231	225833	199583
rejected %	86%	86%	88%	88%	88%	61%

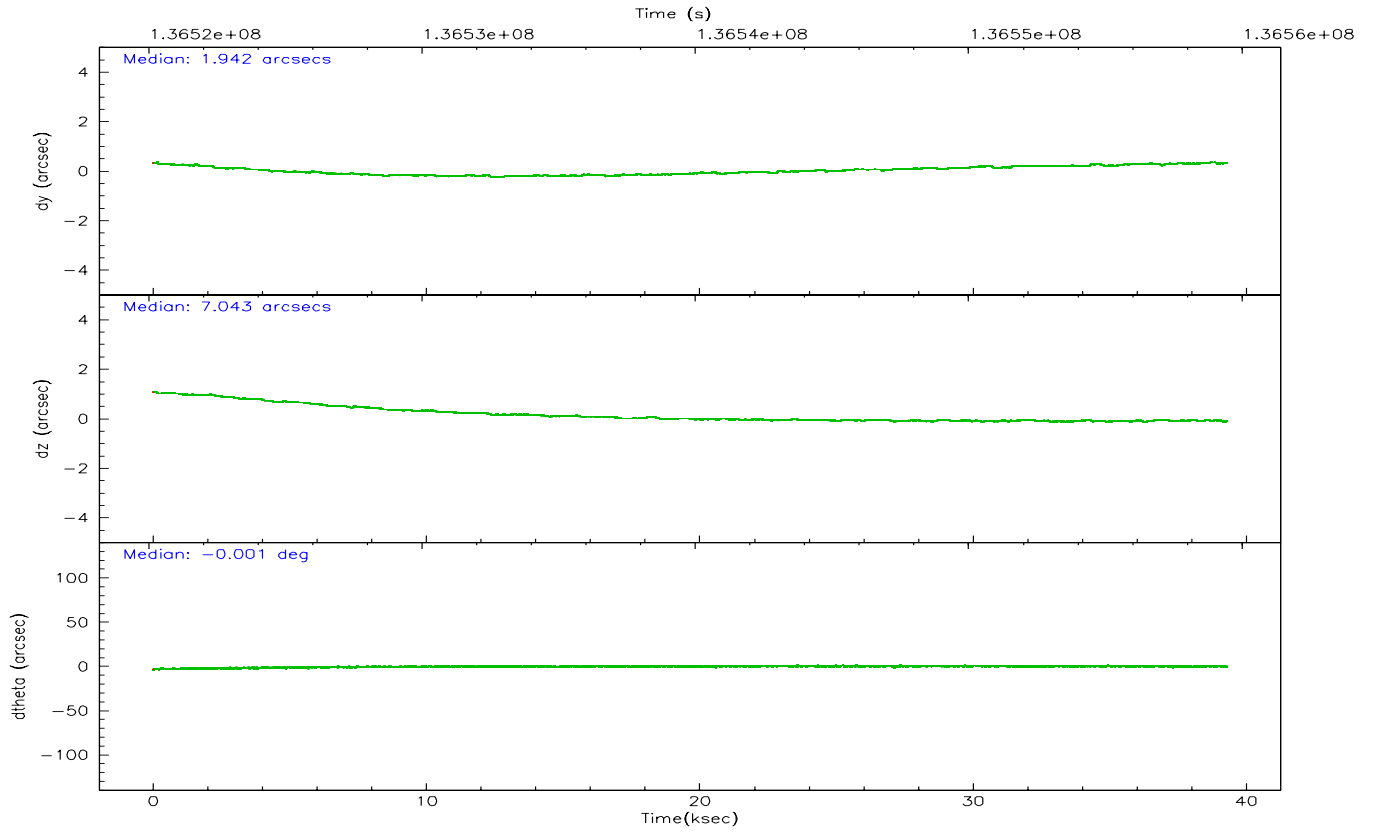
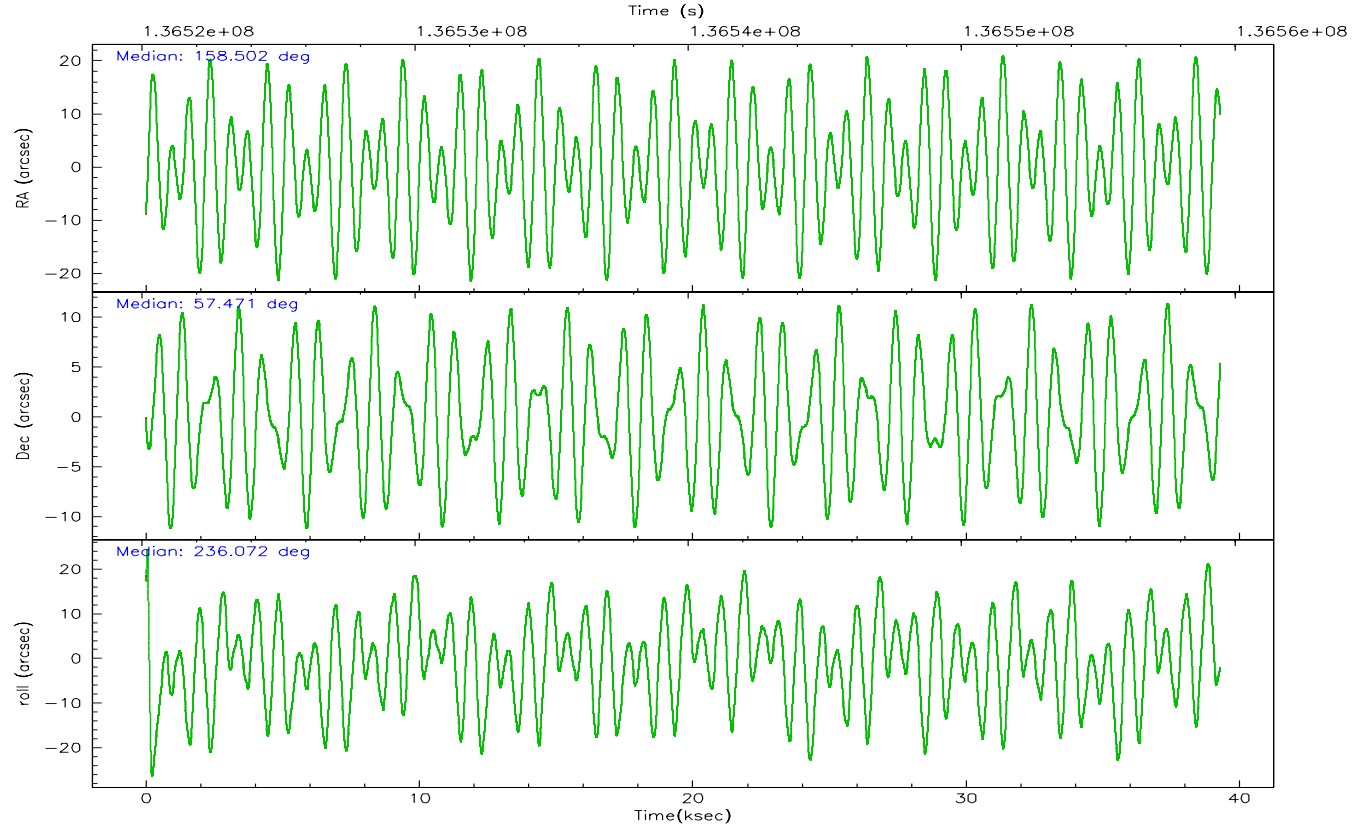
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	12464	12640	12110	12114	11861	8053
	5%	5%	5%	4%	4%	2%
grade 1 events	105	119	119	119	114	181
	0%	0%	0%	0%	0%	0%
grade 2 events	6223	6315	6050	5749	6106	30198
	2%	2%	2%	2%	2%	9%
grade 3 events	2927	3153	2605	2736	2912	6591
	1%	1%	1%	1%	1%	2%
grade 4 events	2670	3054	2671	2676	2849	6319
	1%	1%	1%	1%	1%	1%
grade 5 events	9069	9703	8548	9882	10896	22314
	4%	4%	3%	4%	4%	6%
grade 6 events	5312	5765	5052	5220	5856	72825
	2%	2%	2%	2%	2%	22%
grade 7 events	187034	187699	205015	204227	214820	177083
	82%	82%	84%	84%	84%	54%

## 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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	158.504818	158.5014900224298	Subarray requested	NONE	NONE
Pointing Dec	57.498414	57.47105440558318	Alternating exposures requested	N	N
Pointing Roll	235.870586	236.0820714926867	Primary exposure time	0.000000	3.2
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	136520457.184000	136519439.74043			
Observation start date	2002-04-30T02:19:53	2002-04-30T02:03:59			
Observation end time	136559457.184000	136560238.8421			
Observation end date	2002-04-30T13:09:53	2002-04-30T13:23:58			
Read mode	TIMED	TIMED			

2.3 Aspect





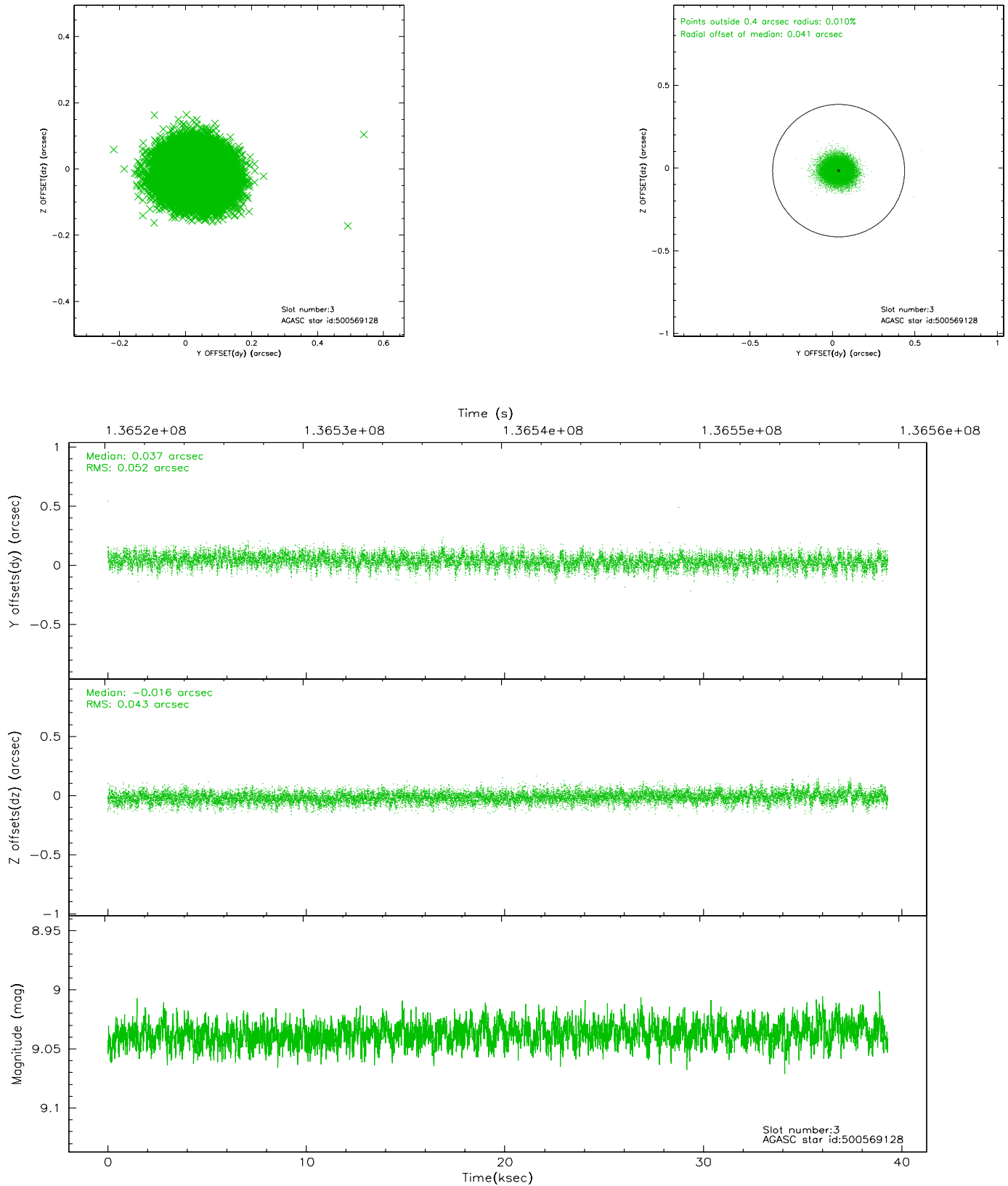
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	9587	-0.029	0.053	0.011	0.029	0.000000	0.000000	937.80	-830.58
1	FID	ACIS-I-5	7.23	9587	-0.012	0.039	0.010	0.016	0.000000	0.000000	-1810.24	1066.94
2	FID	ACIS-I-6	7.26	9586	-0.049	-0.023	0.011	0.020	0.000000	0.000000	403.36	1711.36
3	GUIDE	500569128	9.04	19166	0.037	-0.016	0.071	0.116	157.930103	57.115848	1766.28	-160.07
4	GUIDE	500965000	8.91	19163	-0.096	0.022	0.081	0.129	159.614449	57.527596	-1304.99	1706.07
5	GUIDE	500960944	9.85	19055	0.062	-0.159	0.107	0.182	157.785286	57.689555	201.48	-1536.54
6	GUIDE	500965384	9.81	19146	-0.008	0.088	0.123	0.198	159.003342	57.936270	-1842.11	-98.20
7	GUIDE	500568656	8.48	19166	-0.003	0.062	0.061	0.100	159.217900	57.306375	-211.85	1531.35

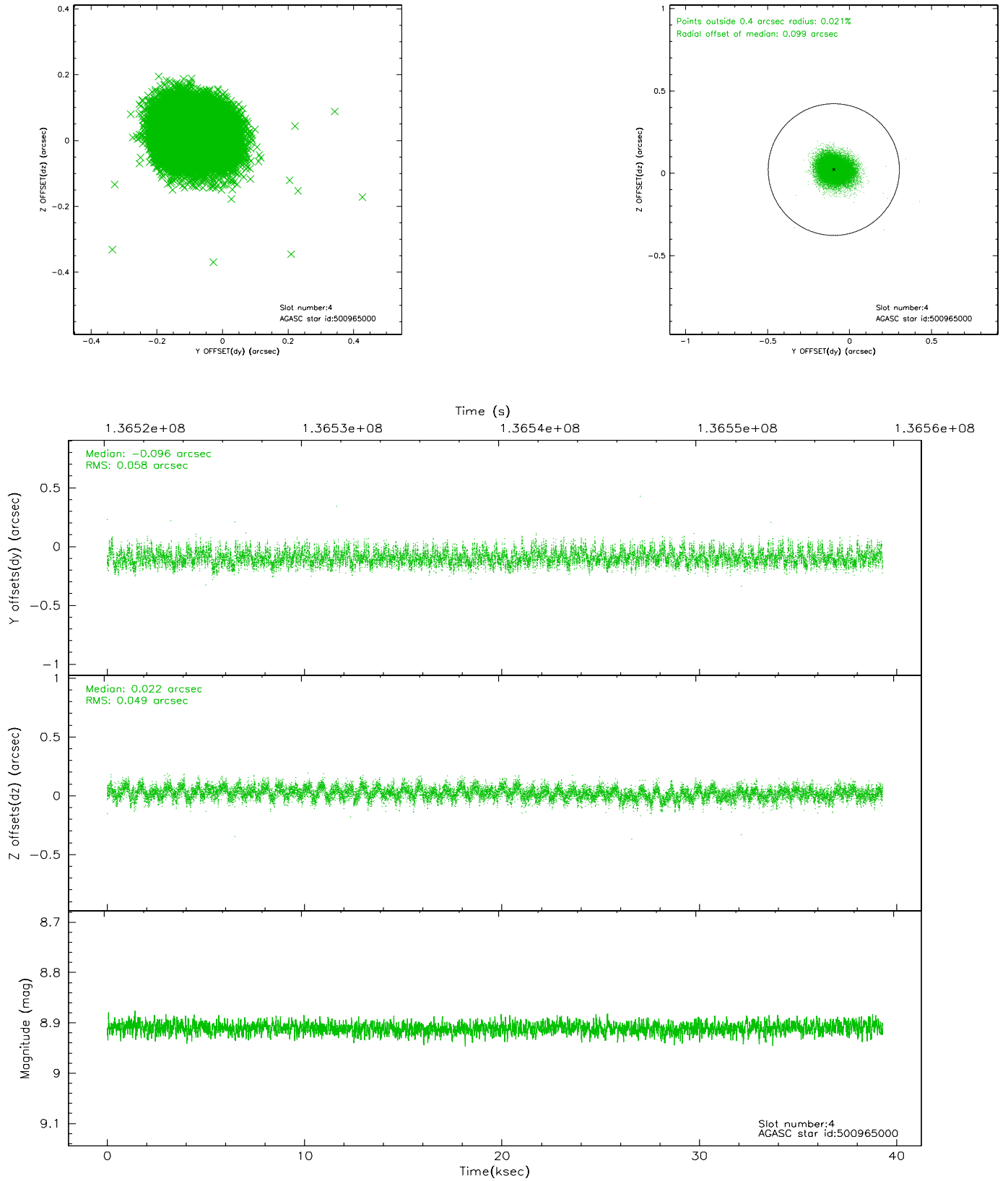


## 2.4 Star Slots

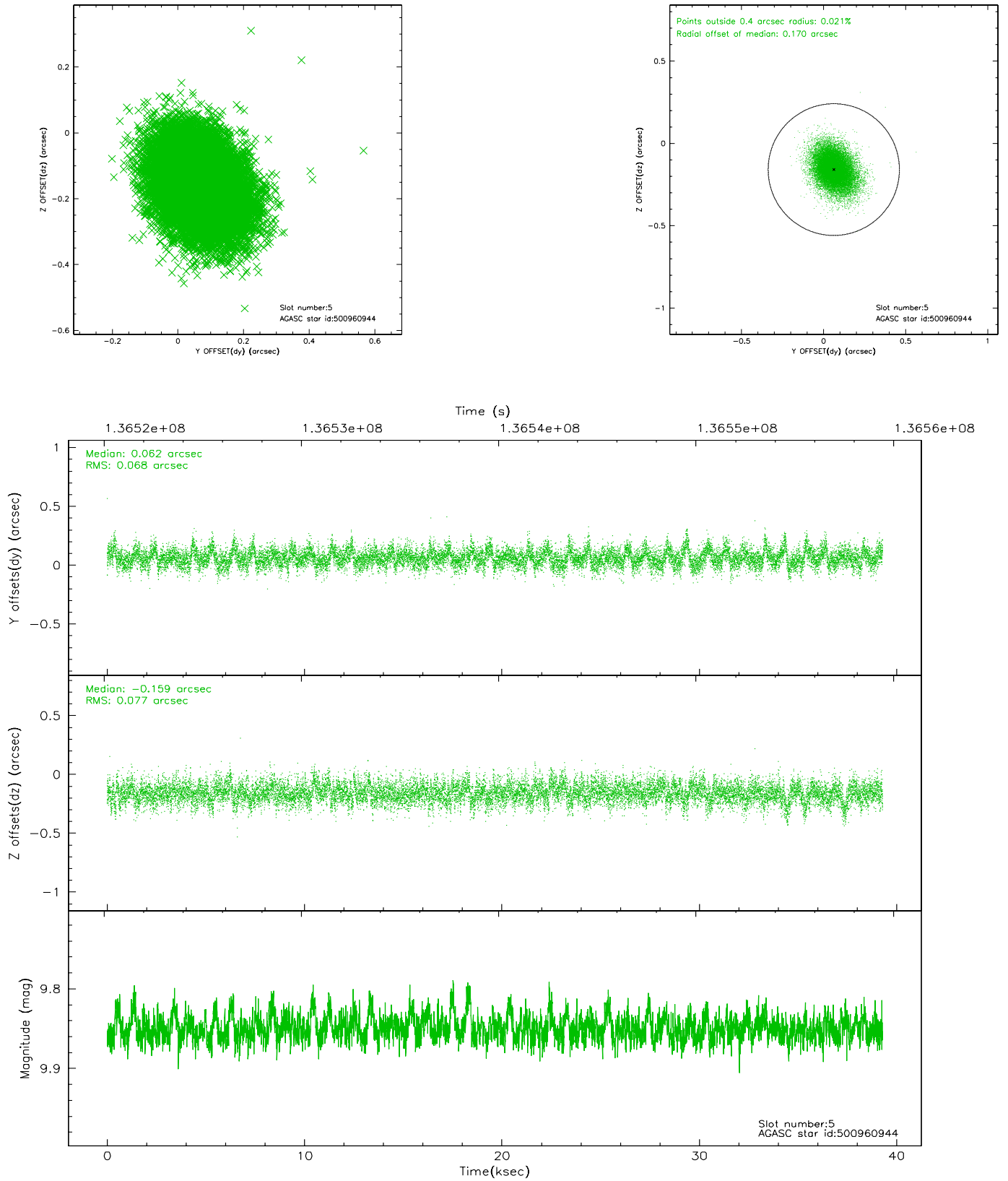
### 2.4.1 Slot 3



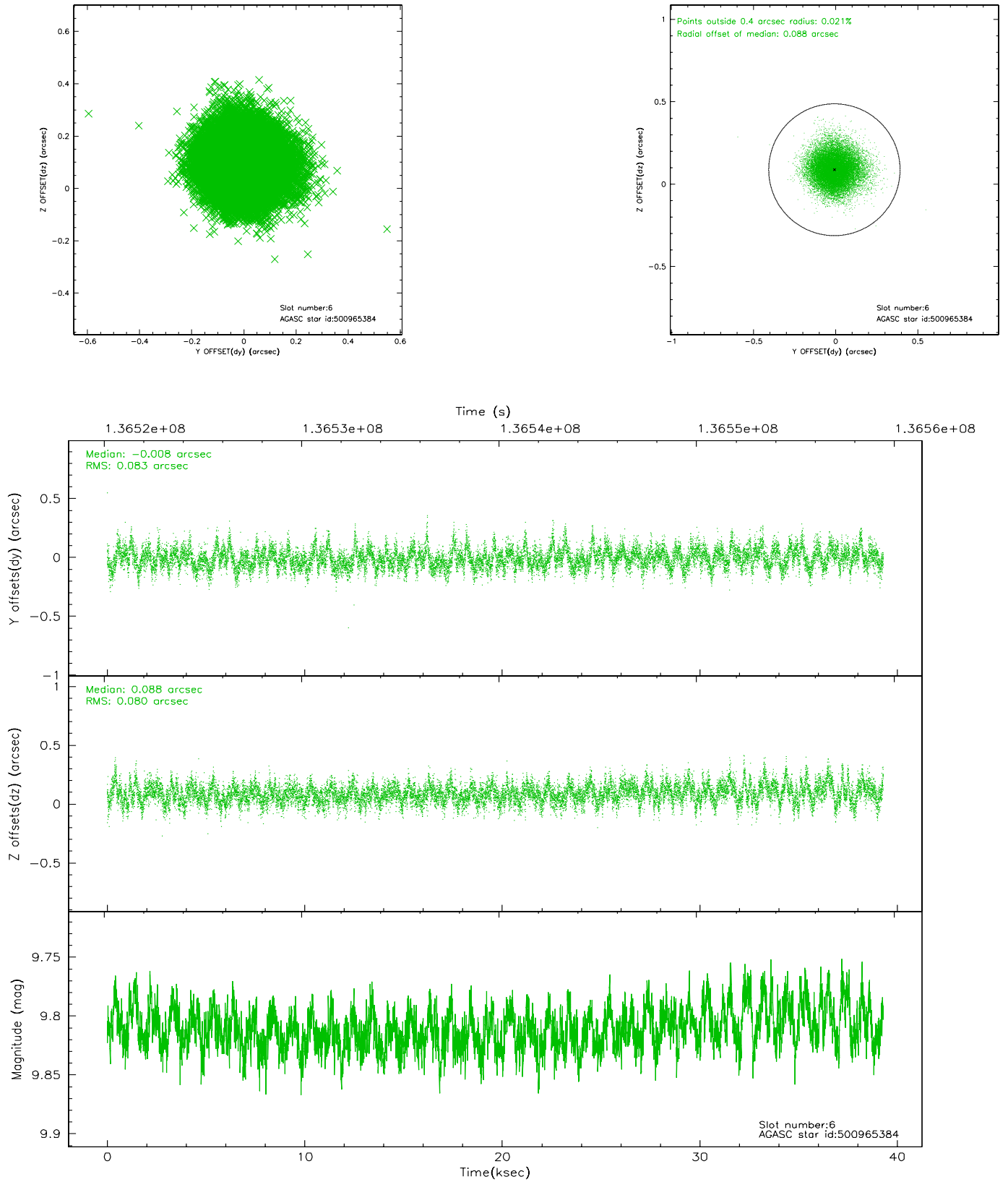
## 2.4.2 Slot 4



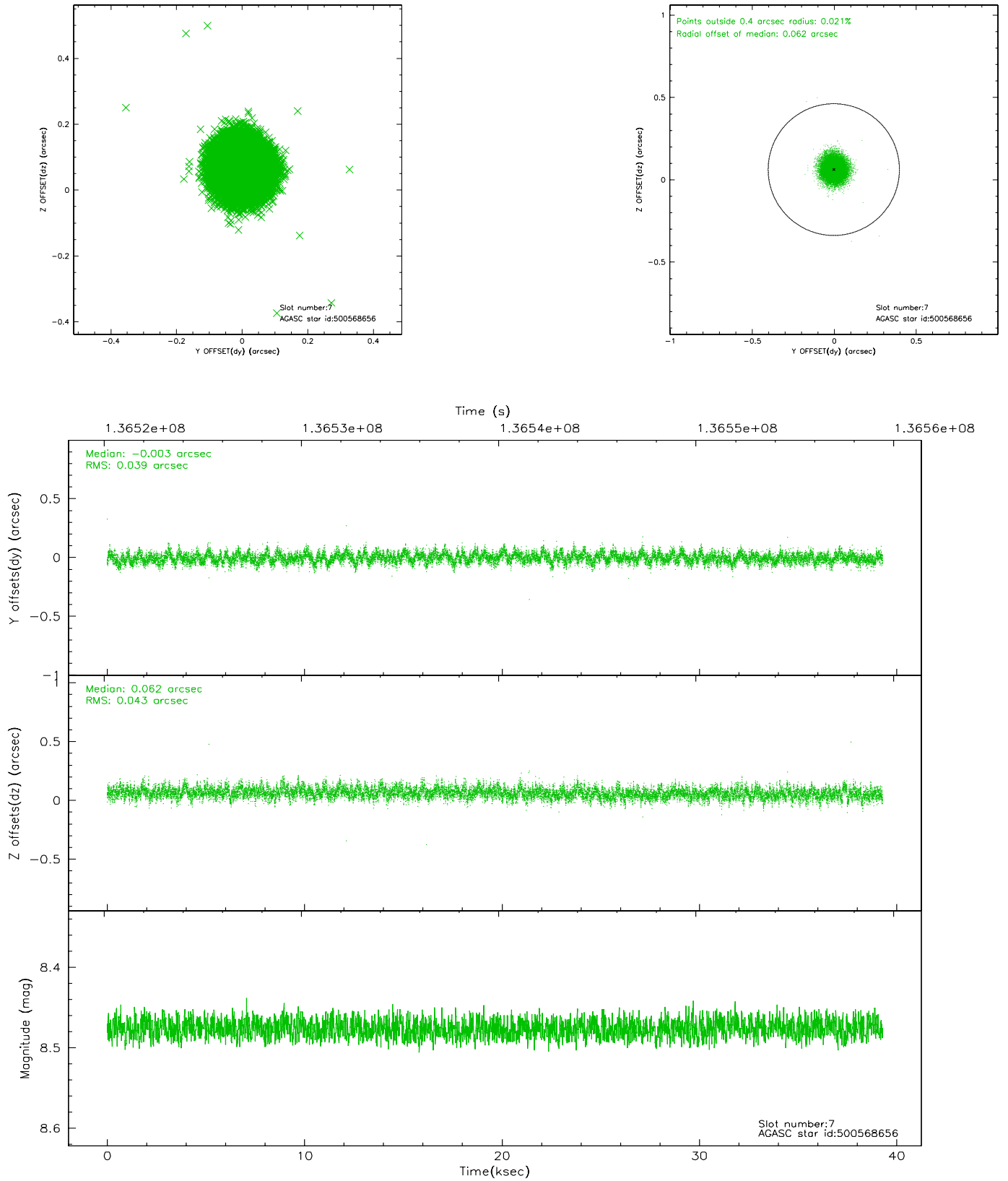
### 2.4.3 Slot 5



## 2.4.4 Slot 6

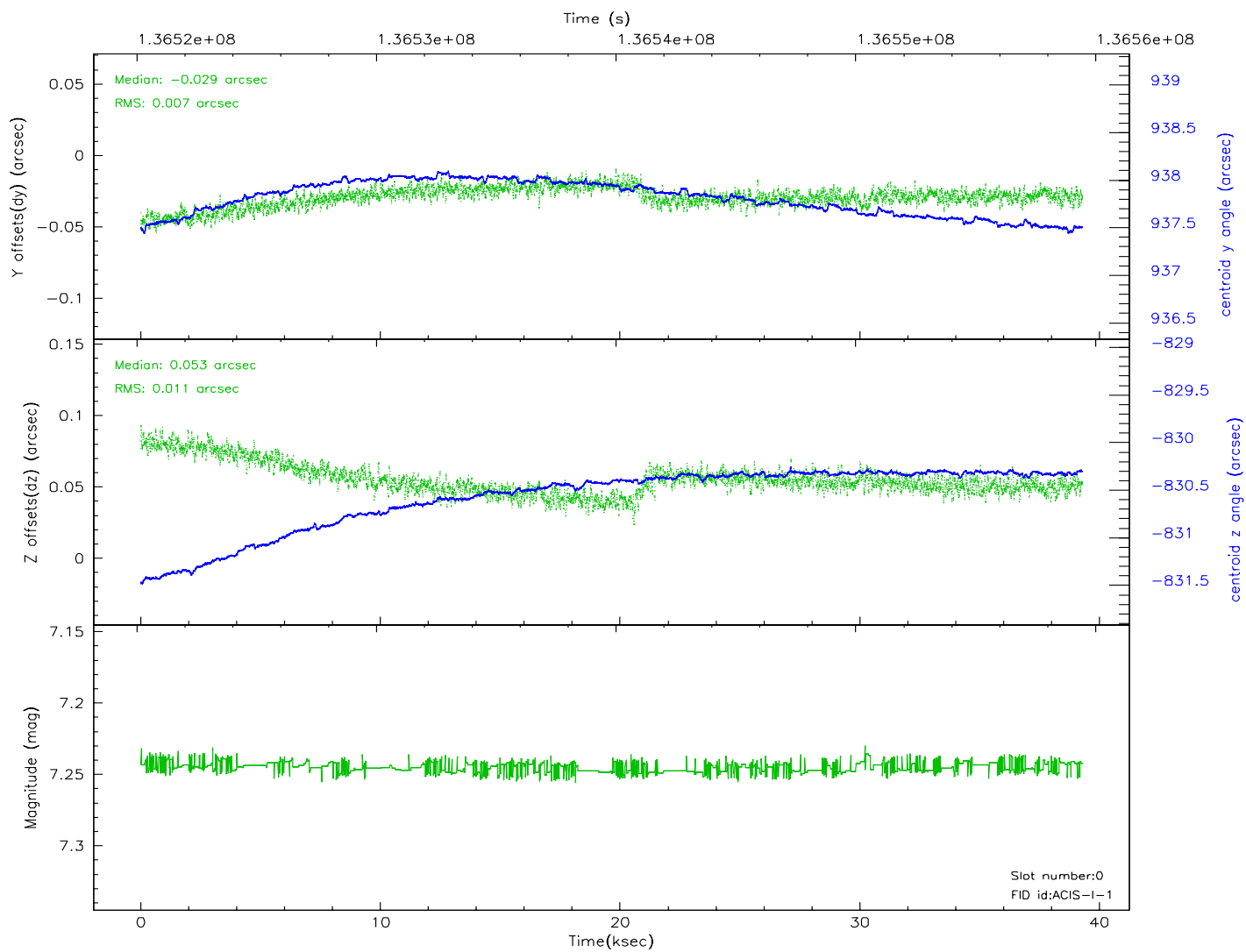
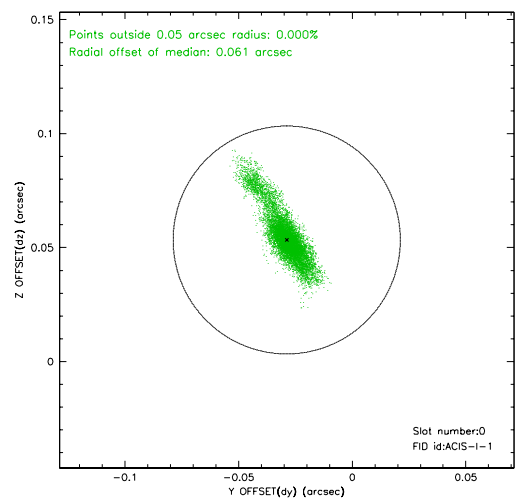
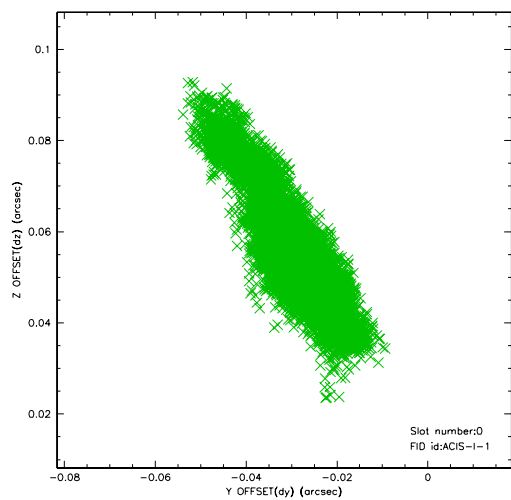


## 2.4.5 Slot 7

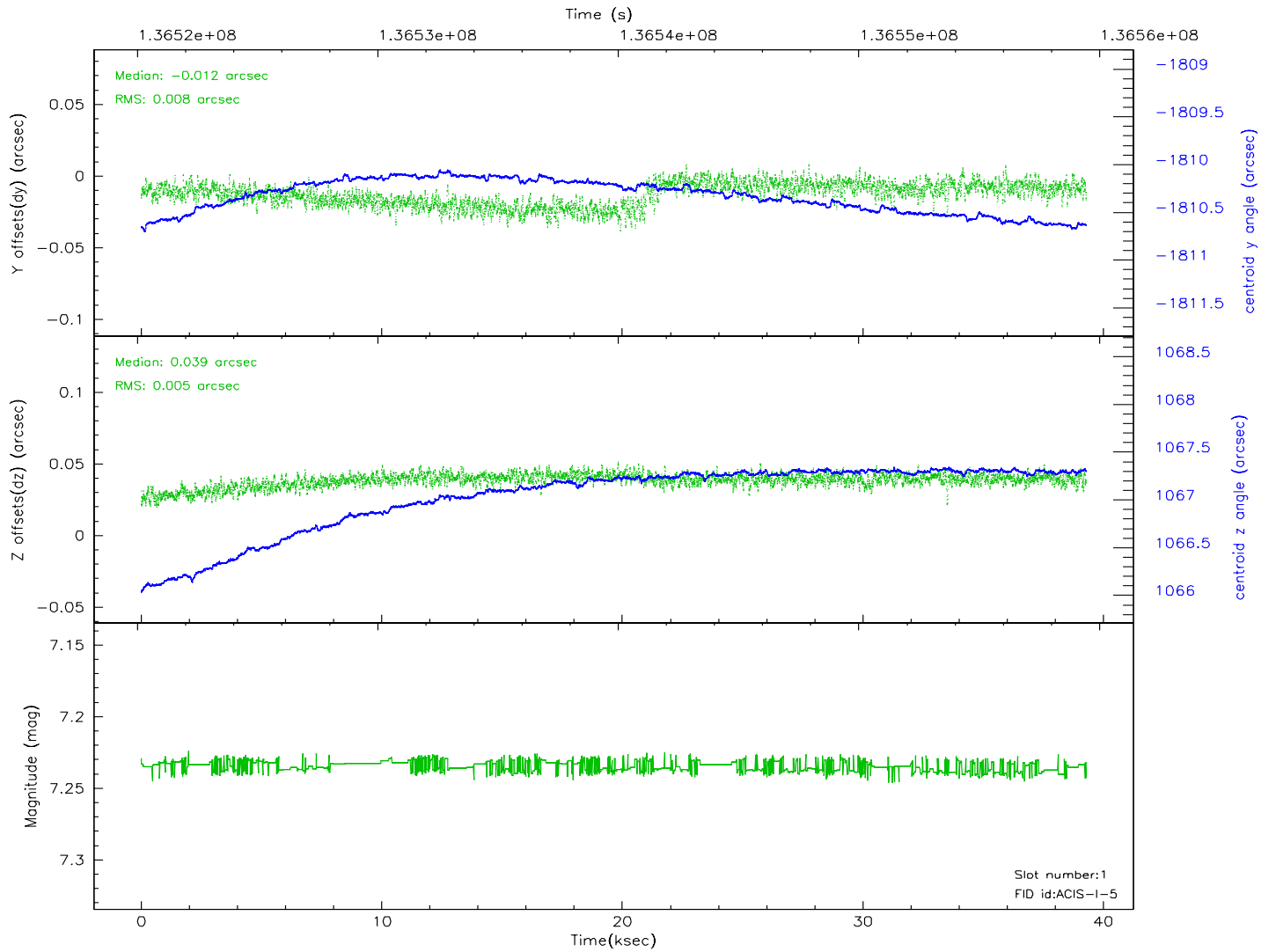
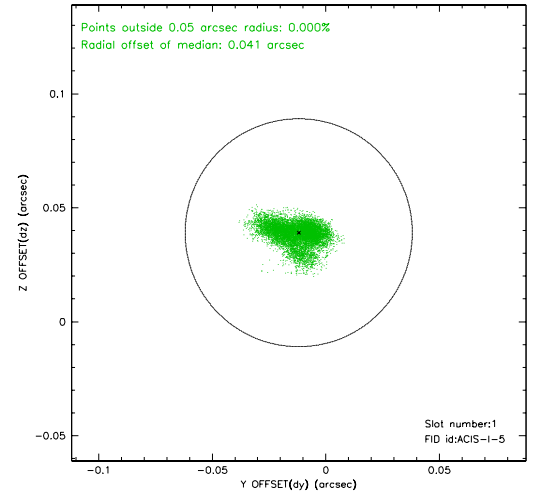
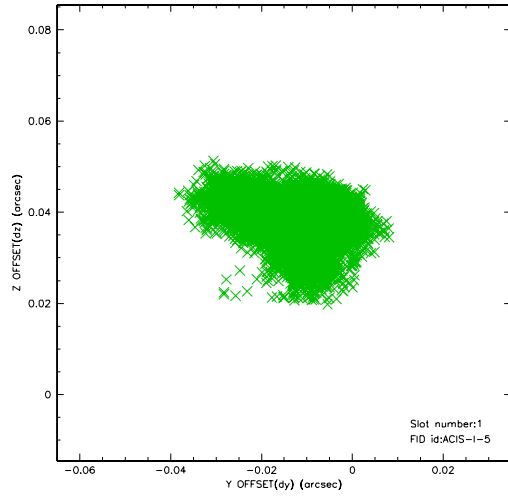


## 2.5 FID Slots

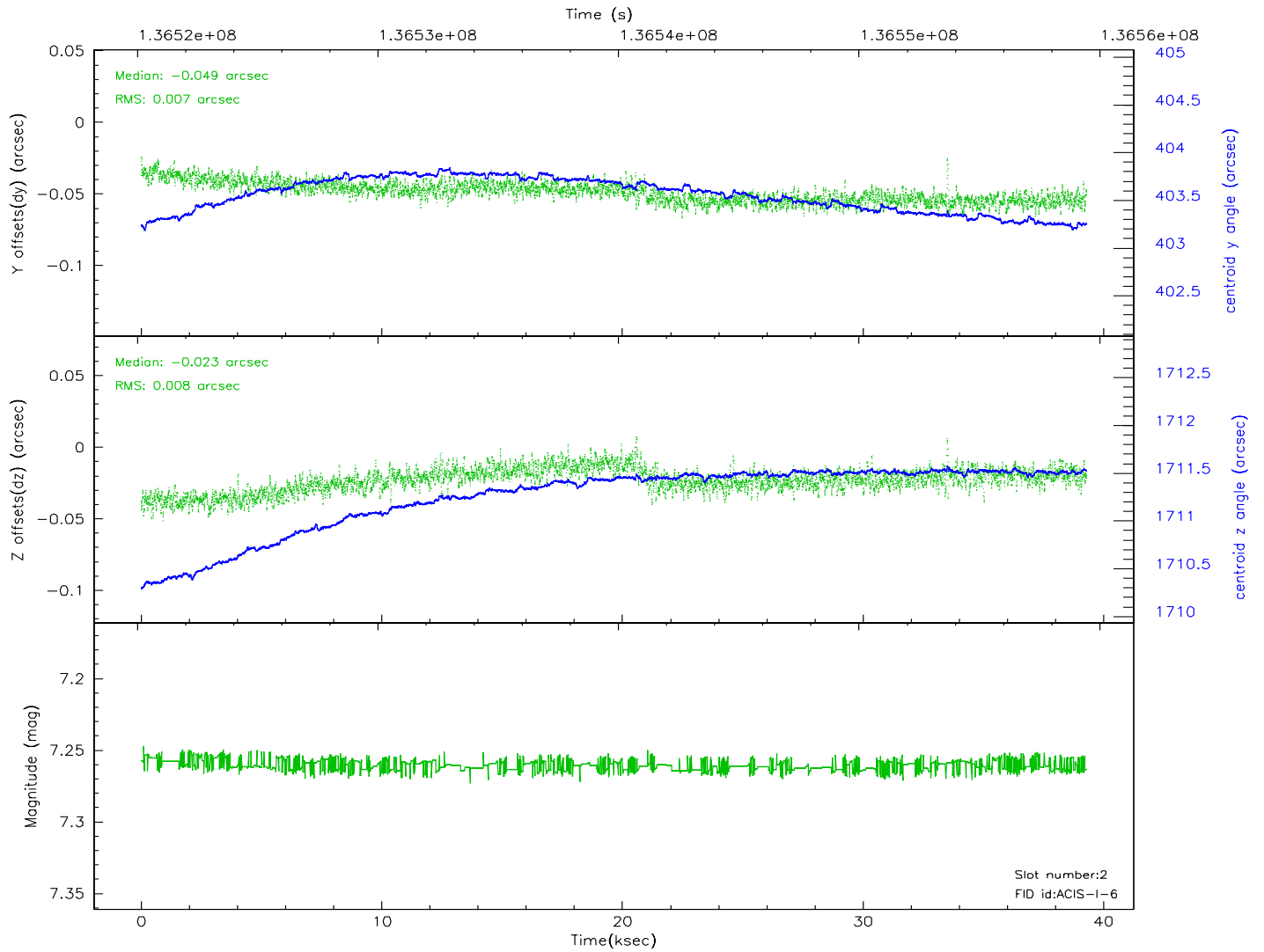
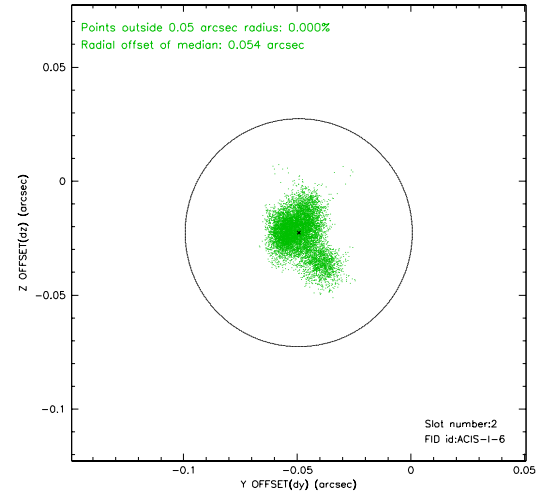
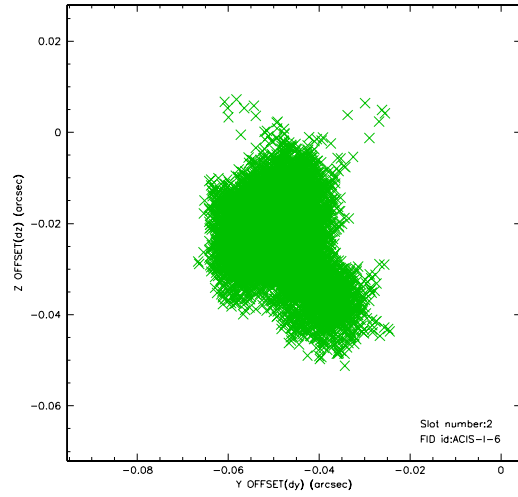
### 2.5.1 Slot 0



## 2.5.2 Slot 1

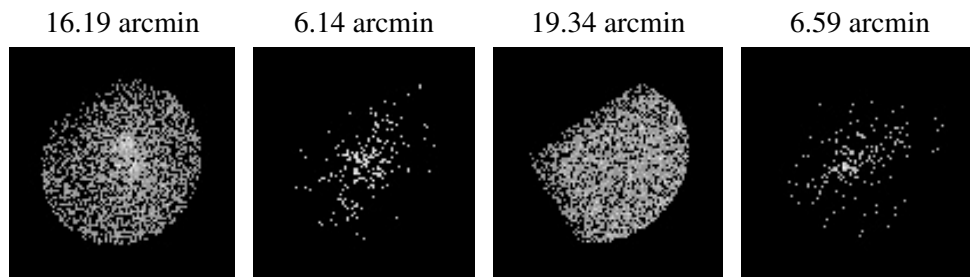


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Doug Morgan
V&V Date (YYYY-MM-DD)	2006.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.703

### A.2 Comments