

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4189 - L2 Version 001  
Chandra X-Ray Center

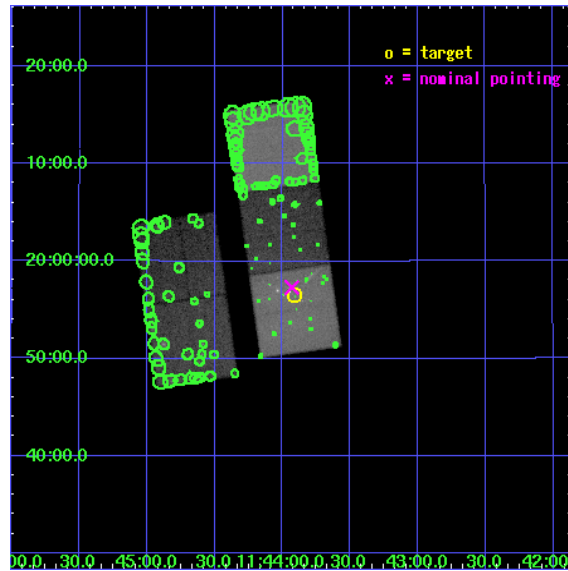
L2 Processing Date : Jul 19 2006

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# 1 Front

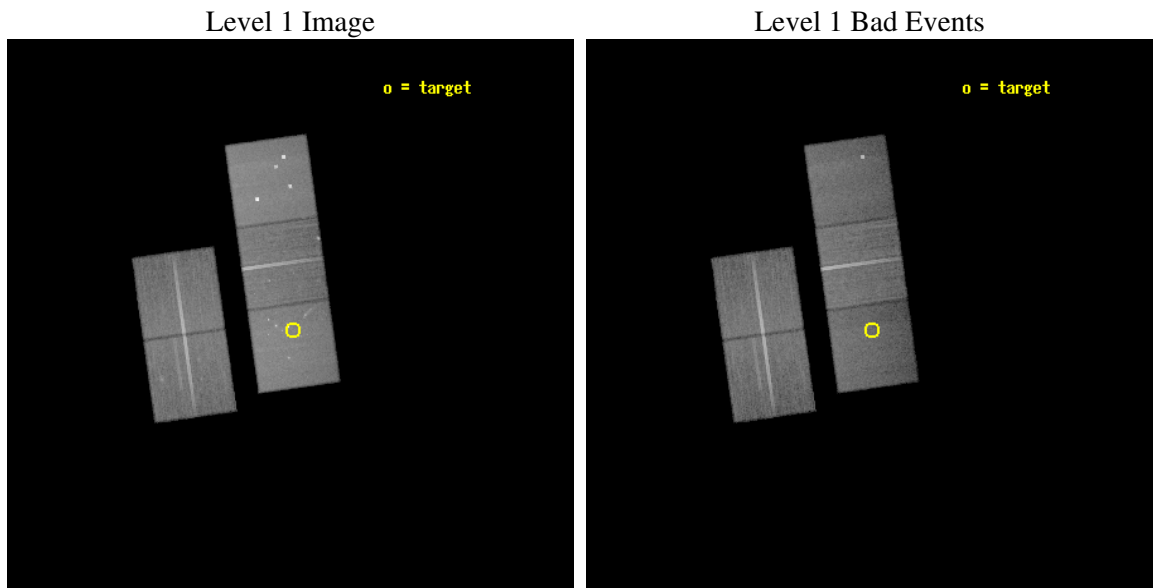
seq_num	800345
obs_id	4189
title	OBSERVING THE X-RAY LUMINOUS GALAXY CORONAE IN A1367
observer	Dr Alexey Vikhlinin
object	A1367 NW
dtcycle	0
cycle	P
ra_targ	175.97875
dec_targ	19.941667
ra_nom	175.98260270579
dec_nom	19.955304179889
roll_nom	82.054817314399
revision	2
ontime	48111.999907494
livetime	47483.381209163
ontime2	48102.576976836
ontime3	48096.295026153
ontime5	48111.999907494
ontime6	48108.85892728
ontime7	48111.999907494
l2events	435442



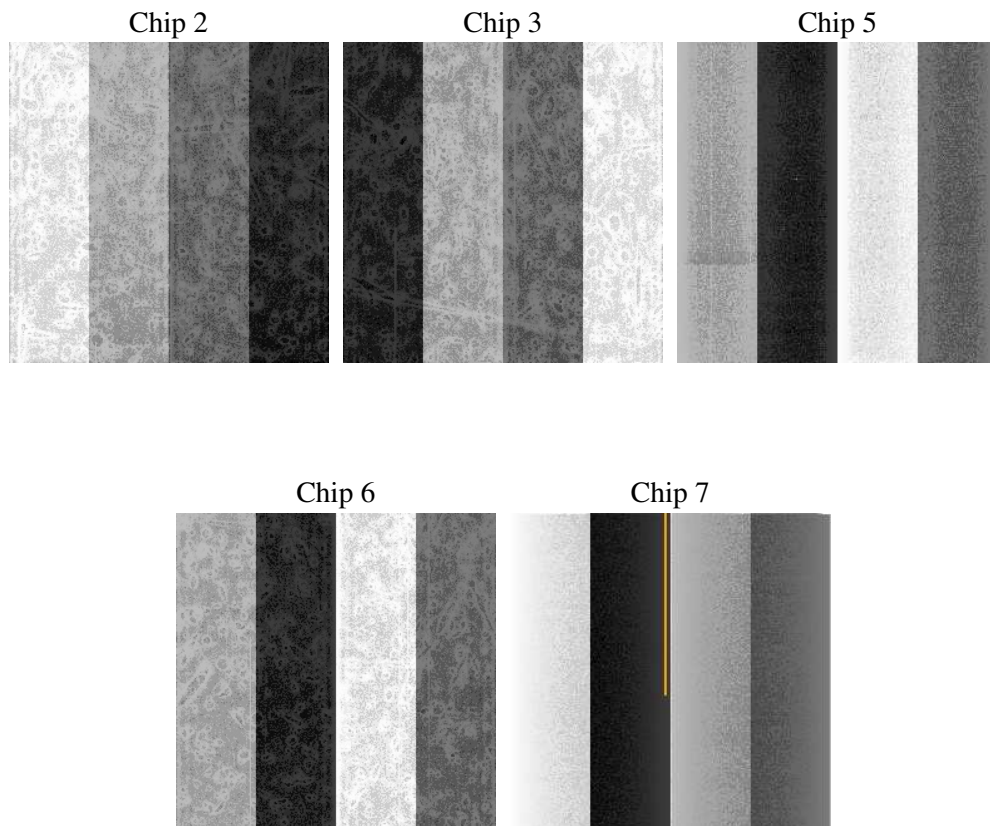
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-19T11:28:53
revision	2

sched_exp_time	48000.000000
ontime	48487.747891992
ontime2	48481.465961516
ontime3	48472.042990714
ontime5	48487.747891992
ontime6	48484.606911778
ontime7	48487.747891992
l1events	1489429

### 2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	264264	266427	361492	270906	326340
rejected events	230282	218125	175981	226284	158871
rejected %	87%	81%	48%	83%	48%

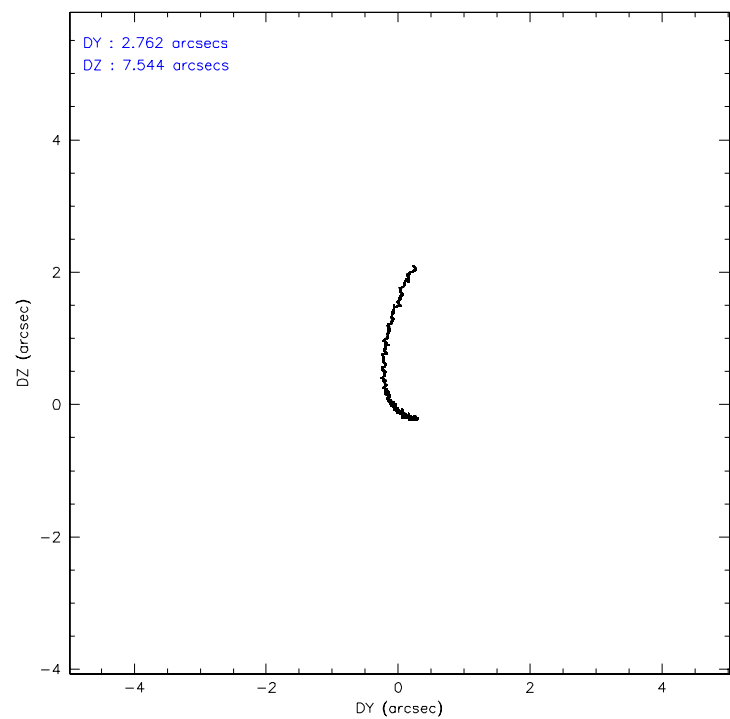
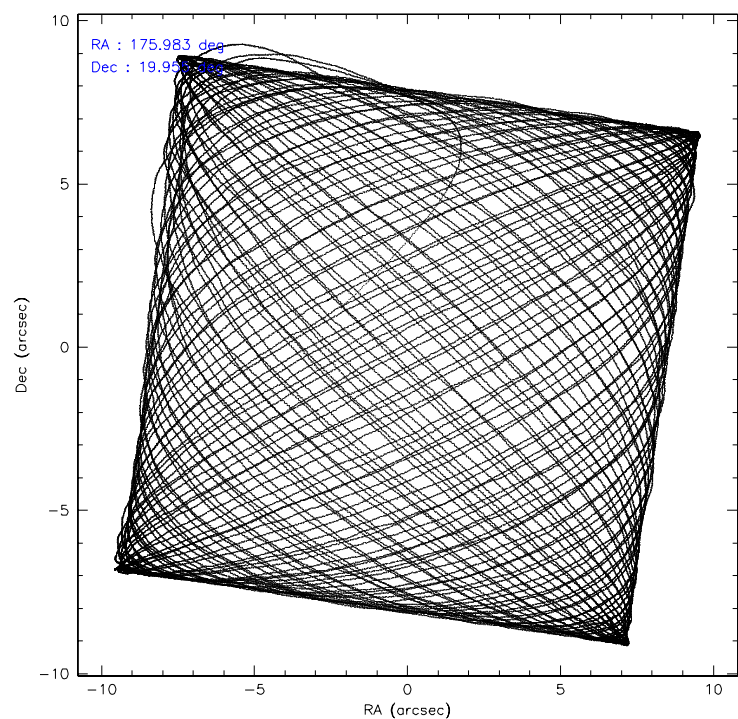
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	17469	29879	29596	25117	21684
	6%	11%	8%	9%	6%
grade 1 events	166	197	202	190	153
	0%	0%	0%	0%	0%
grade 2 events	6263	7102	56084	7326	42784
	2%	2%	15%	2%	13%
grade 3 events	3005	3464	4974	3436	12617
	1%	1%	1%	1%	3%
grade 4 events	3001	3327	4633	3369	12256
	1%	1%	1%	1%	3%
grade 5 events	7882	9358	18788	9867	21501
	2%	3%	5%	3%	6%
grade 6 events	4480	4866	91564	5678	79232
	1%	1%	25%	2%	24%
grade 7 events	221998	208234	155651	215923	136113
	84%	78%	43%	79%	41%

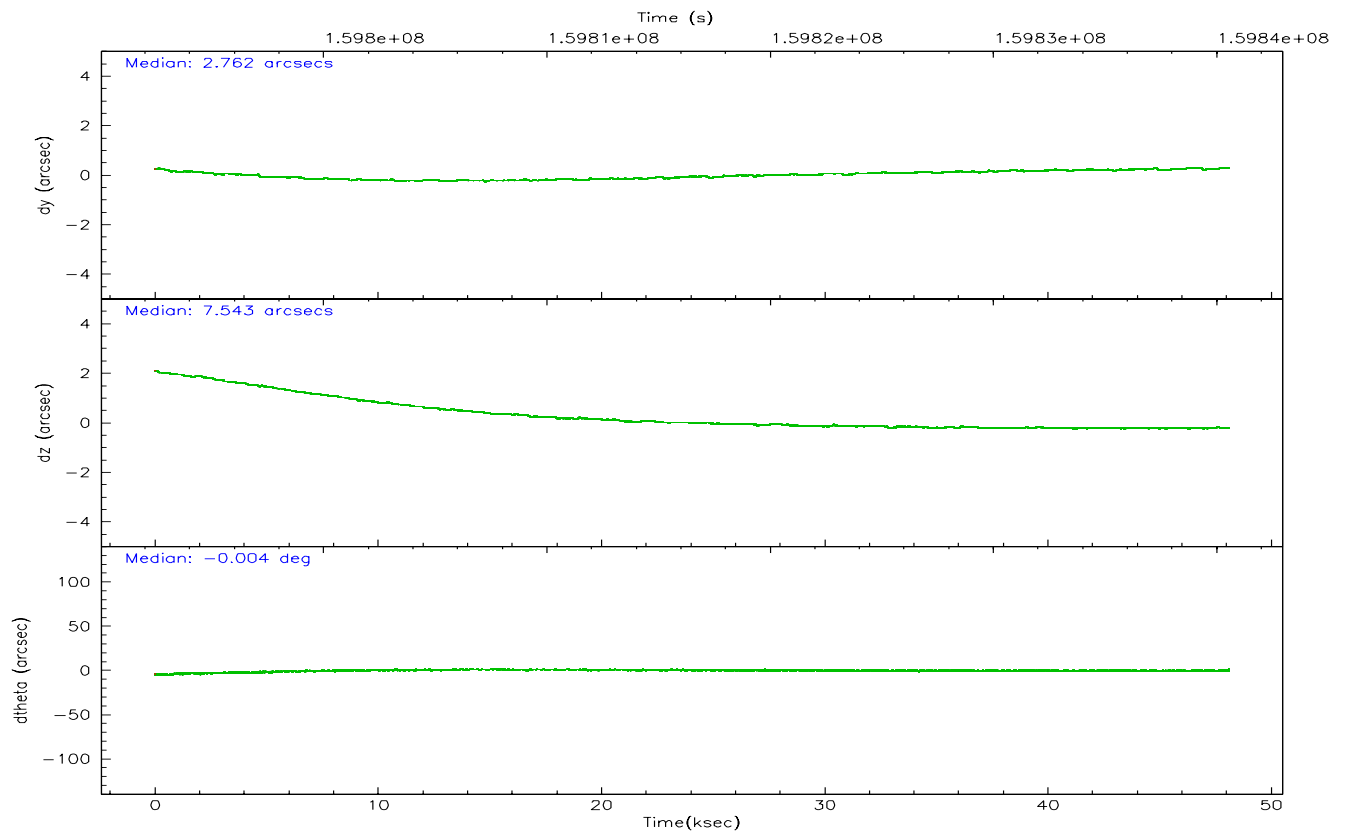
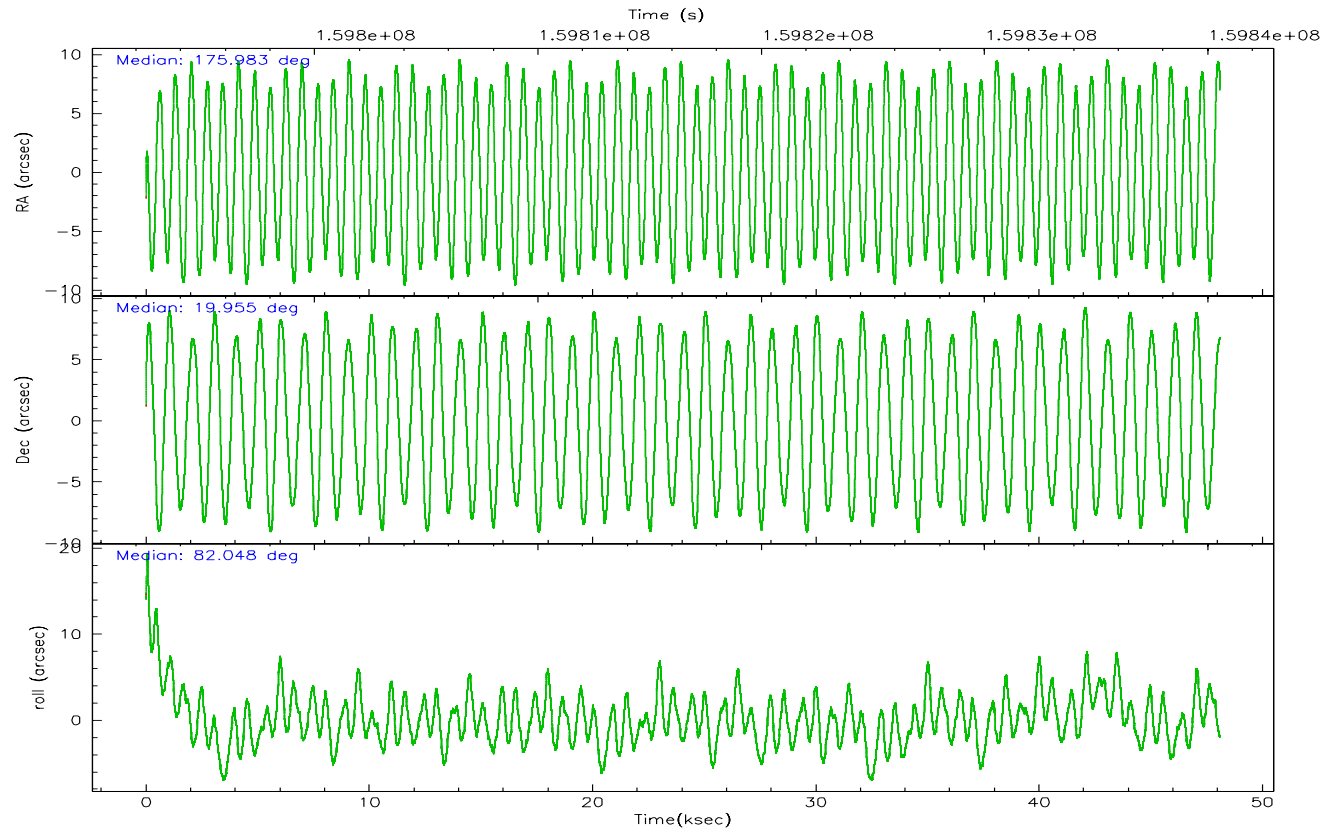


## 2.2 Compared Parameters

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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	175.993844	175.9826027057932	Alternating exposures requested	N	N
Pointing Dec	19.930220	19.95530417988932	Primary exposure time	0.000000	3.1
Pointing Roll	81.894352	82.0548173143991			
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	159792567.184000	159791416.877			
Observation start date	2003-01-24T10:48:23	2003-01-24T10:30:16			
Observation end time	159840567.184000	159841259.55409			
Observation end date	2003-01-25T00:08:23	2003-01-25T00:20:59			
Read mode	TIMED	TIMED			

2.3 Aspect



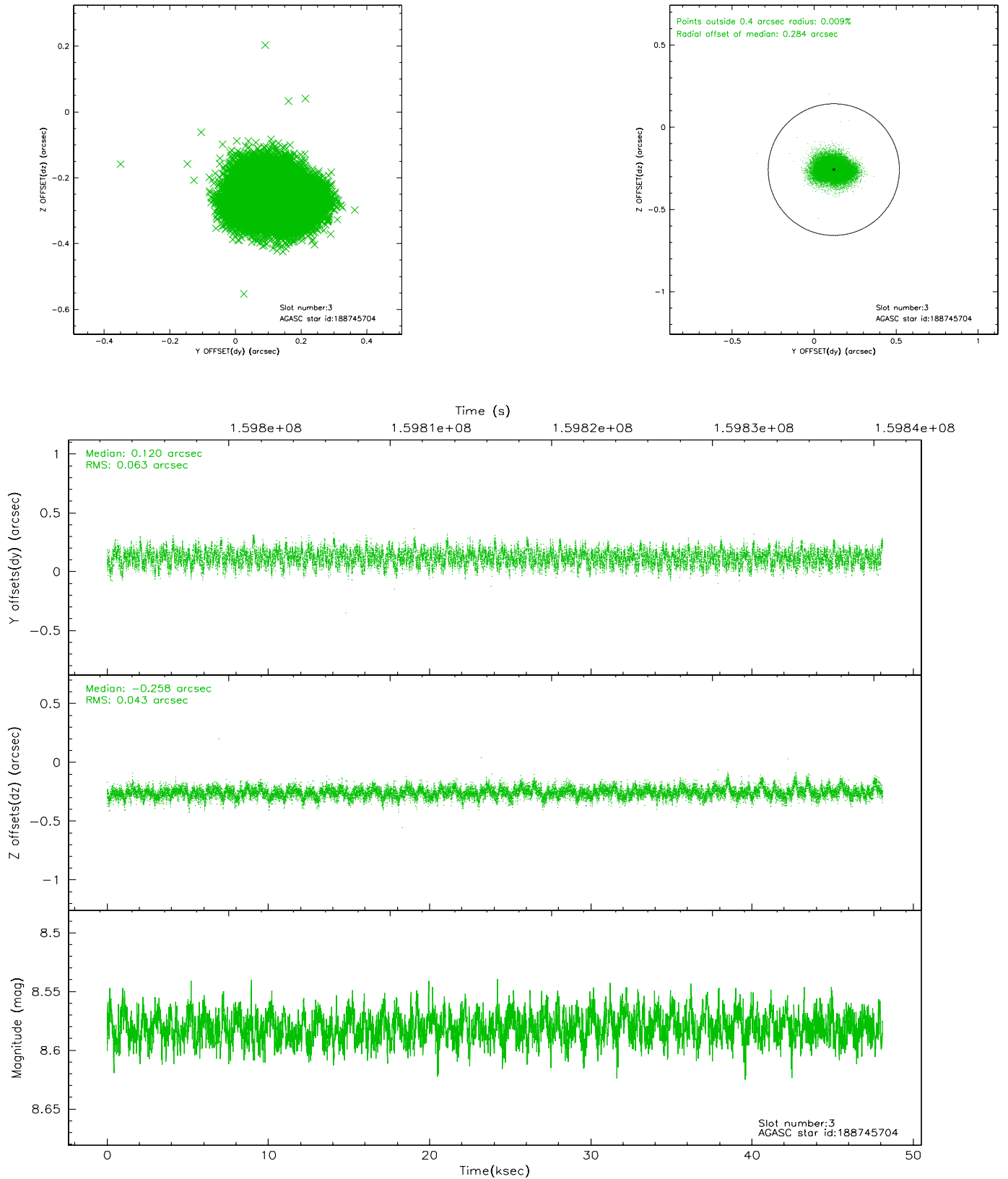


### Slot Statistics

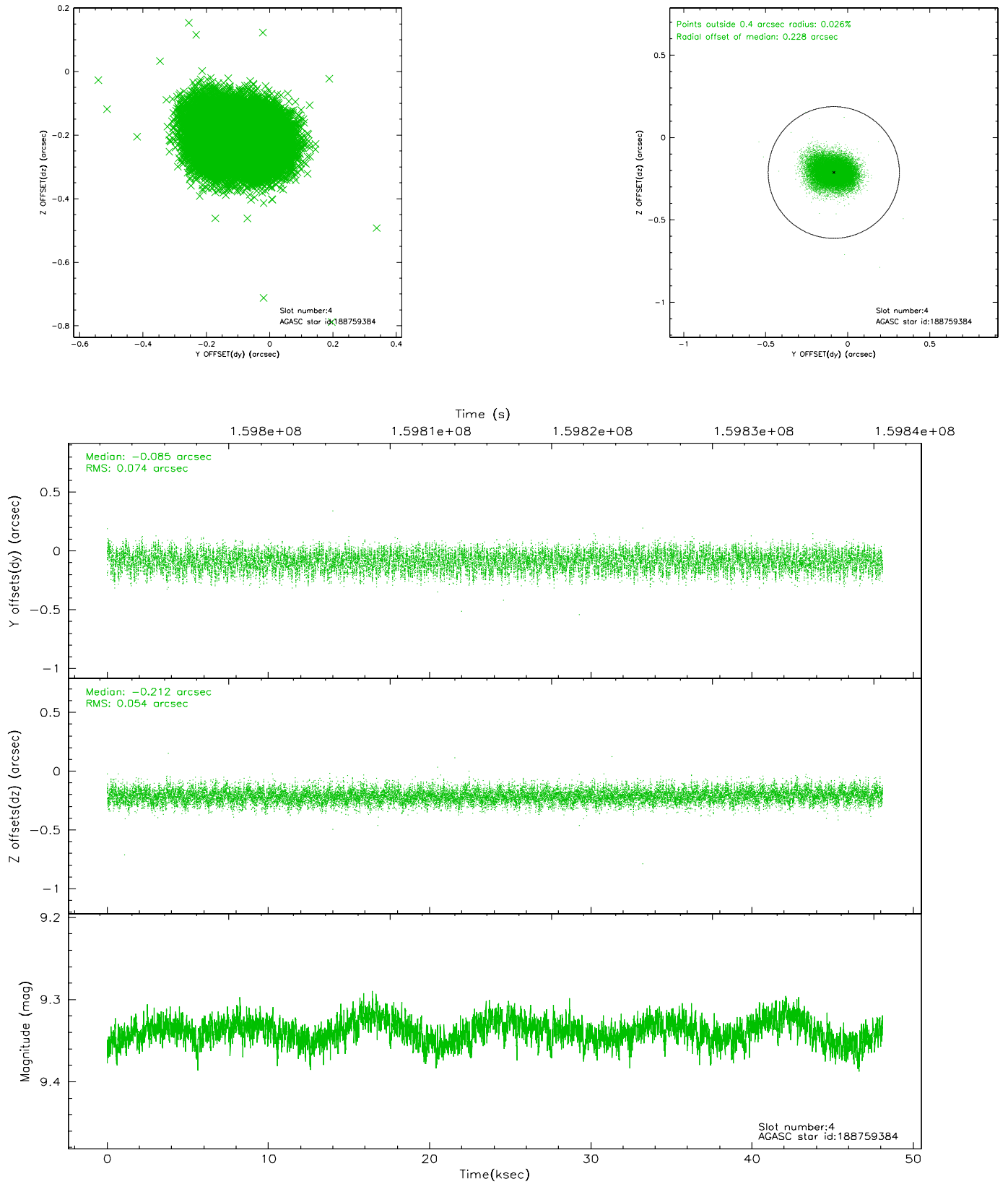
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	11737	-0.010	0.013	0.008	0.020	0.000000	0.000000	-755.41	-1729.04
1	FID	ACIS-S-4	7.20	11737	-0.045	0.001	0.012	0.020	0.000000	0.000000	2157.83	179.46
2	FID	ACIS-S-5	7.24	11737	0.027	-0.006	0.011	0.018	0.000000	0.000000	-1808.24	173.10
3	GUIDE	188745704	8.58	23465	0.120	-0.258	0.081	0.133	175.394573	19.530748	-1706.77	1810.44
4	GUIDE	188759384	9.34	23457	-0.085	-0.212	0.098	0.156	175.414725	20.405821	1422.77	2176.67
5	GUIDE	189137280	10.12	23348	-0.027	0.206	0.143	0.237	176.678053	19.925060	313.32	-2293.94
6	GUIDE	189139352	8.75	23458	0.123	0.165	0.080	0.130	176.255936	19.500124	-1406.30	-1098.65
7	GUIDE	189147640	7.60	23471	-0.129	0.108	0.062	0.101	176.540349	20.319236	1649.87	-1628.24

## 2.4 Star Slots

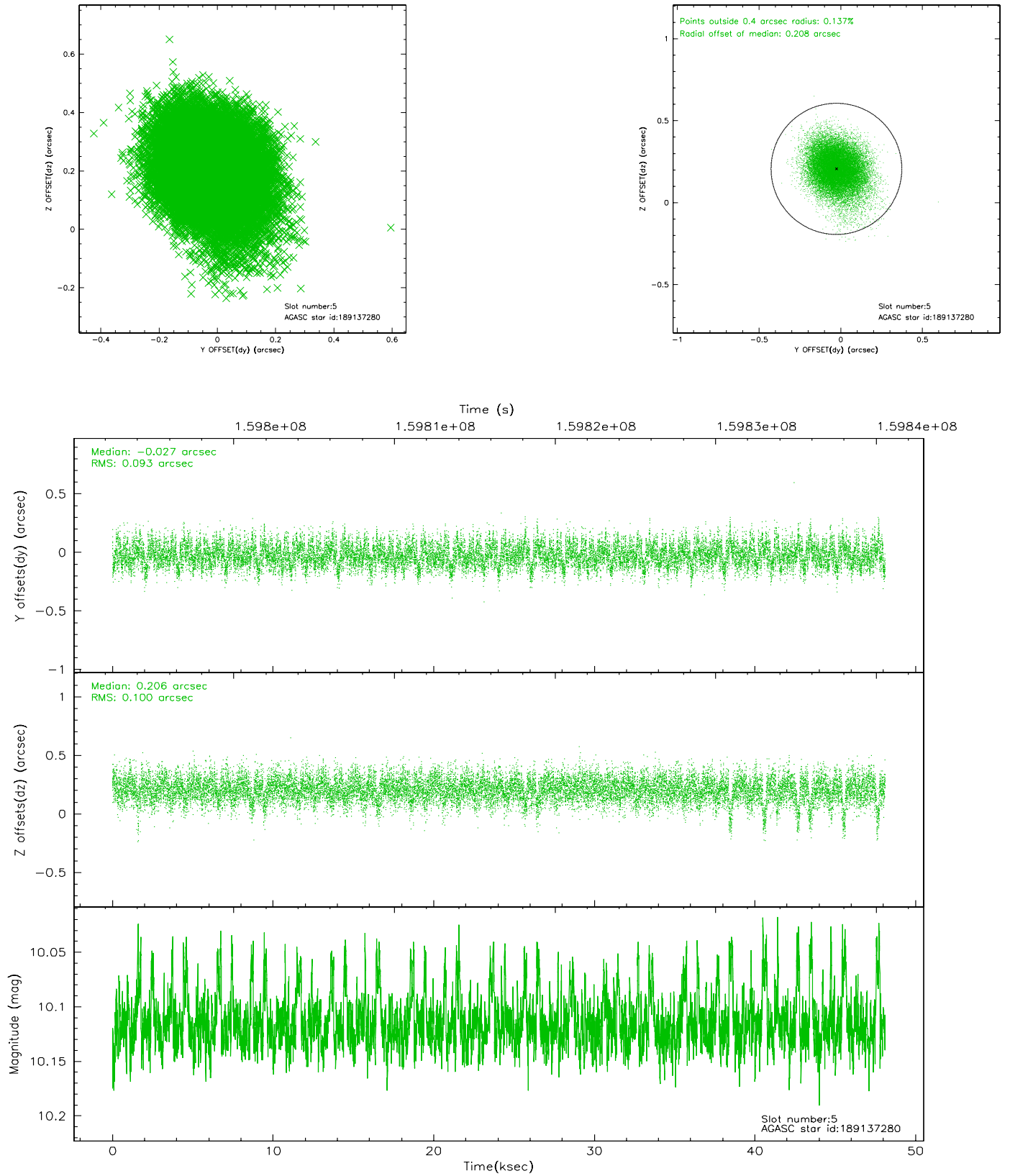
### 2.4.1 Slot 3



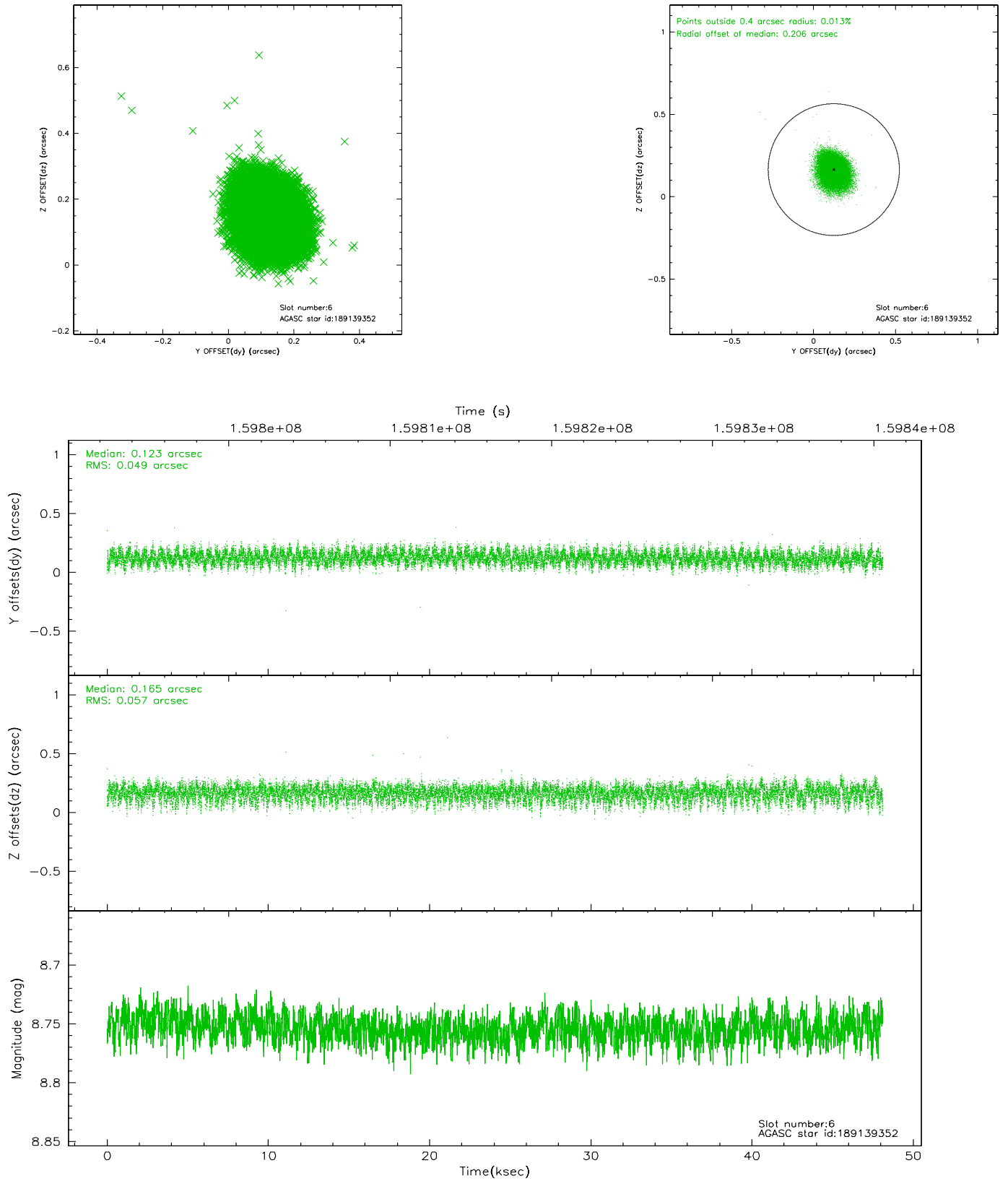
## 2.4.2 Slot 4



### 2.4.3 Slot 5

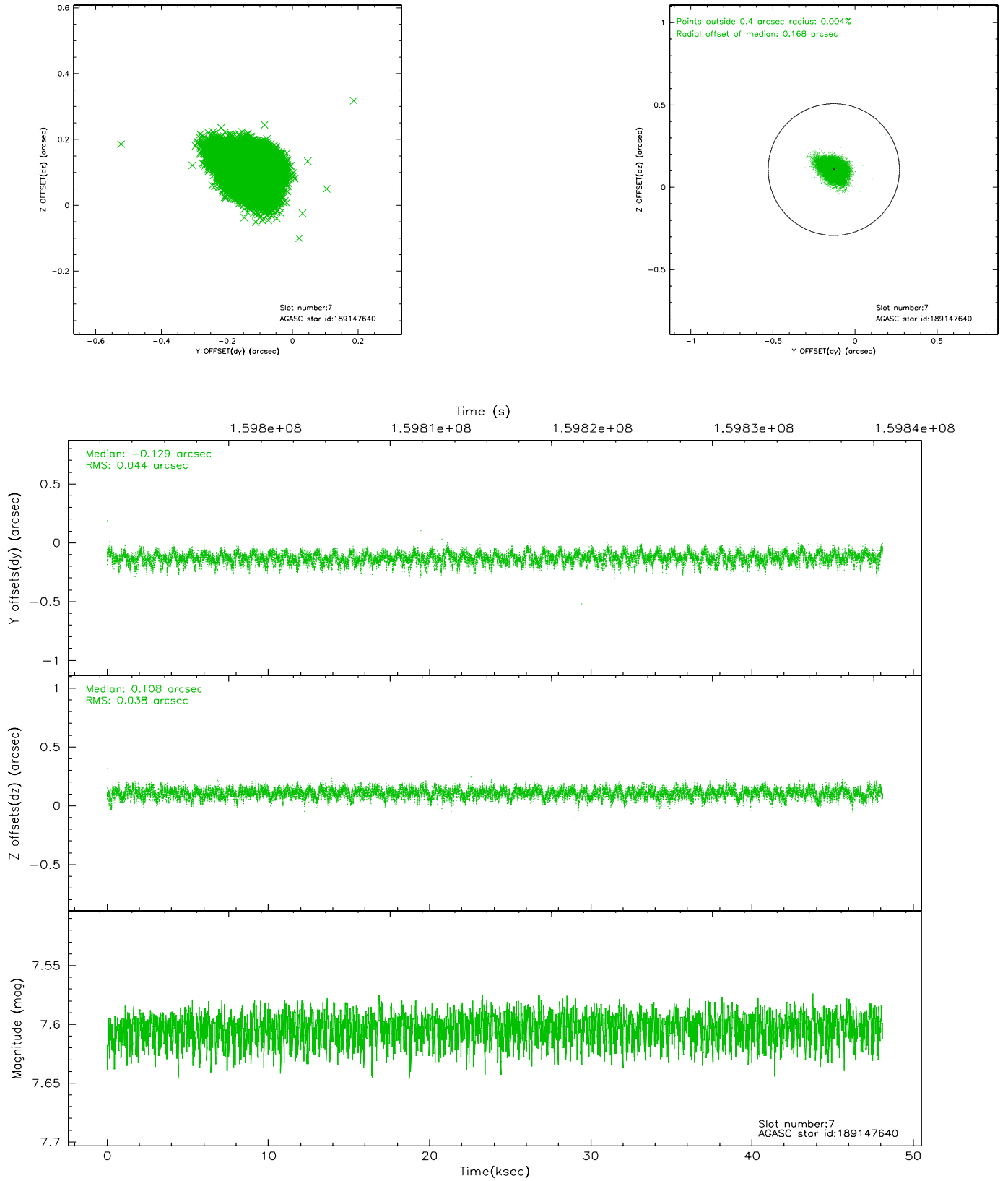


## 2.4.4 Slot 6



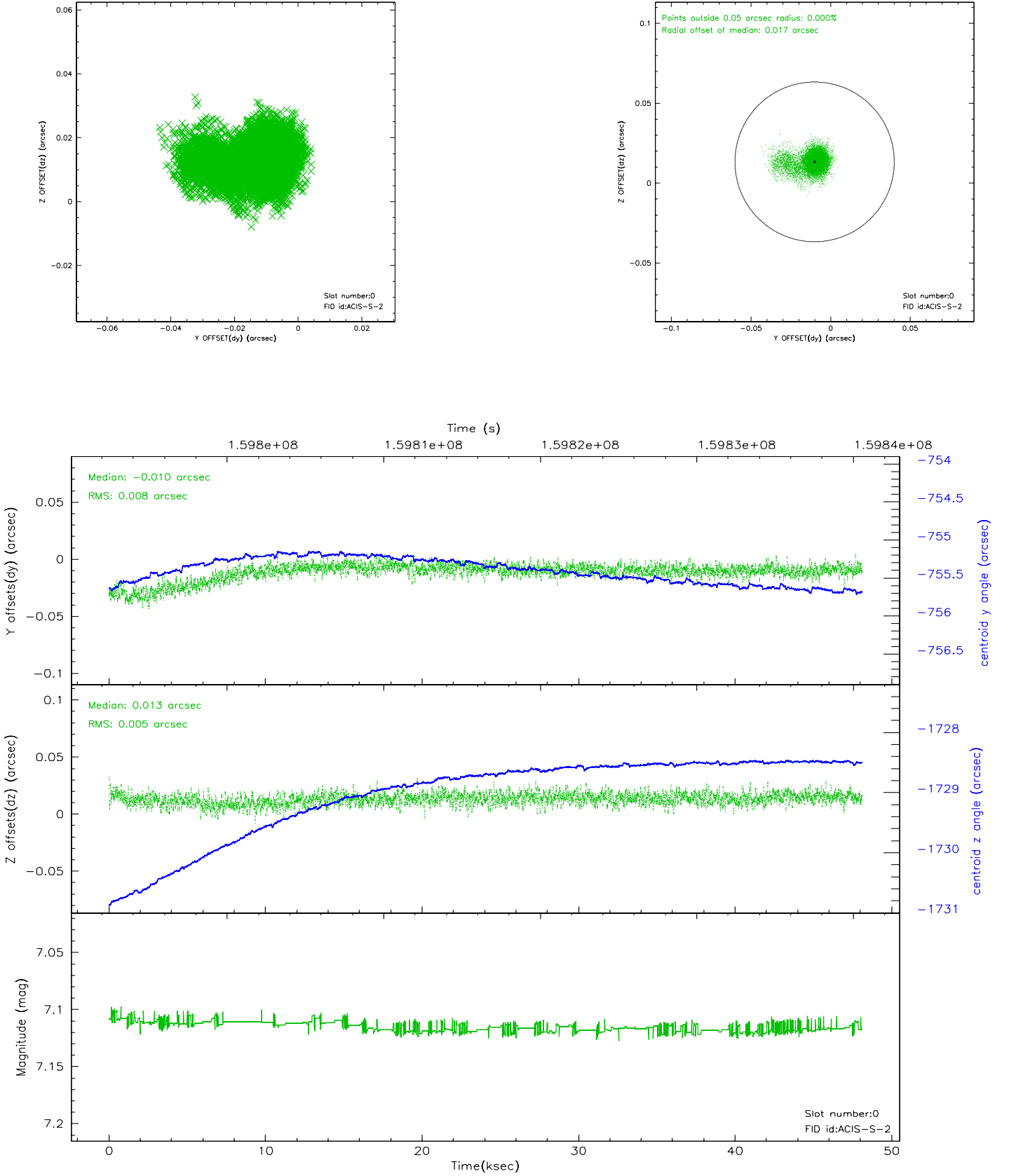


## 2.4.5 Slot 7

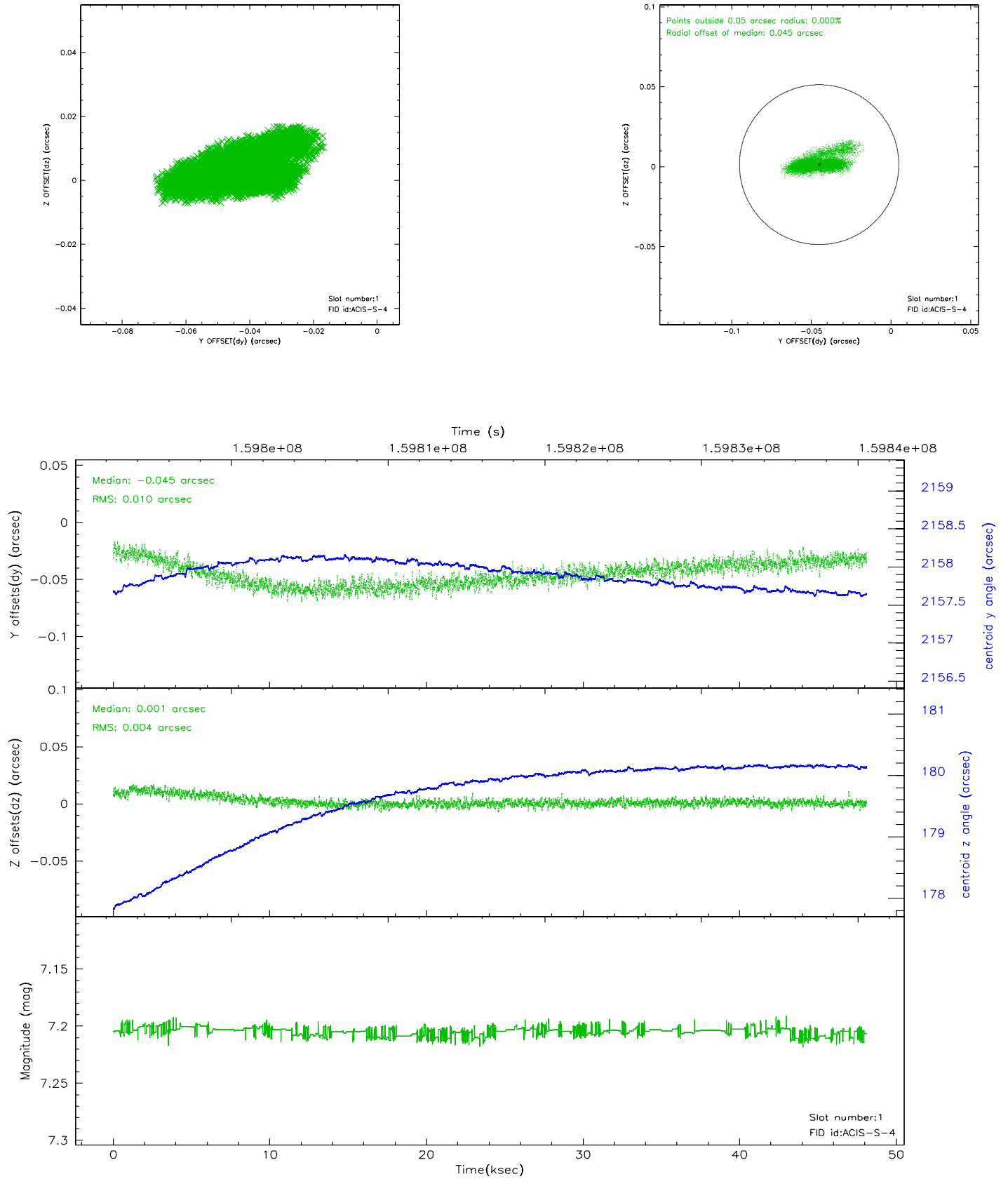


## 2.5 FID Slots

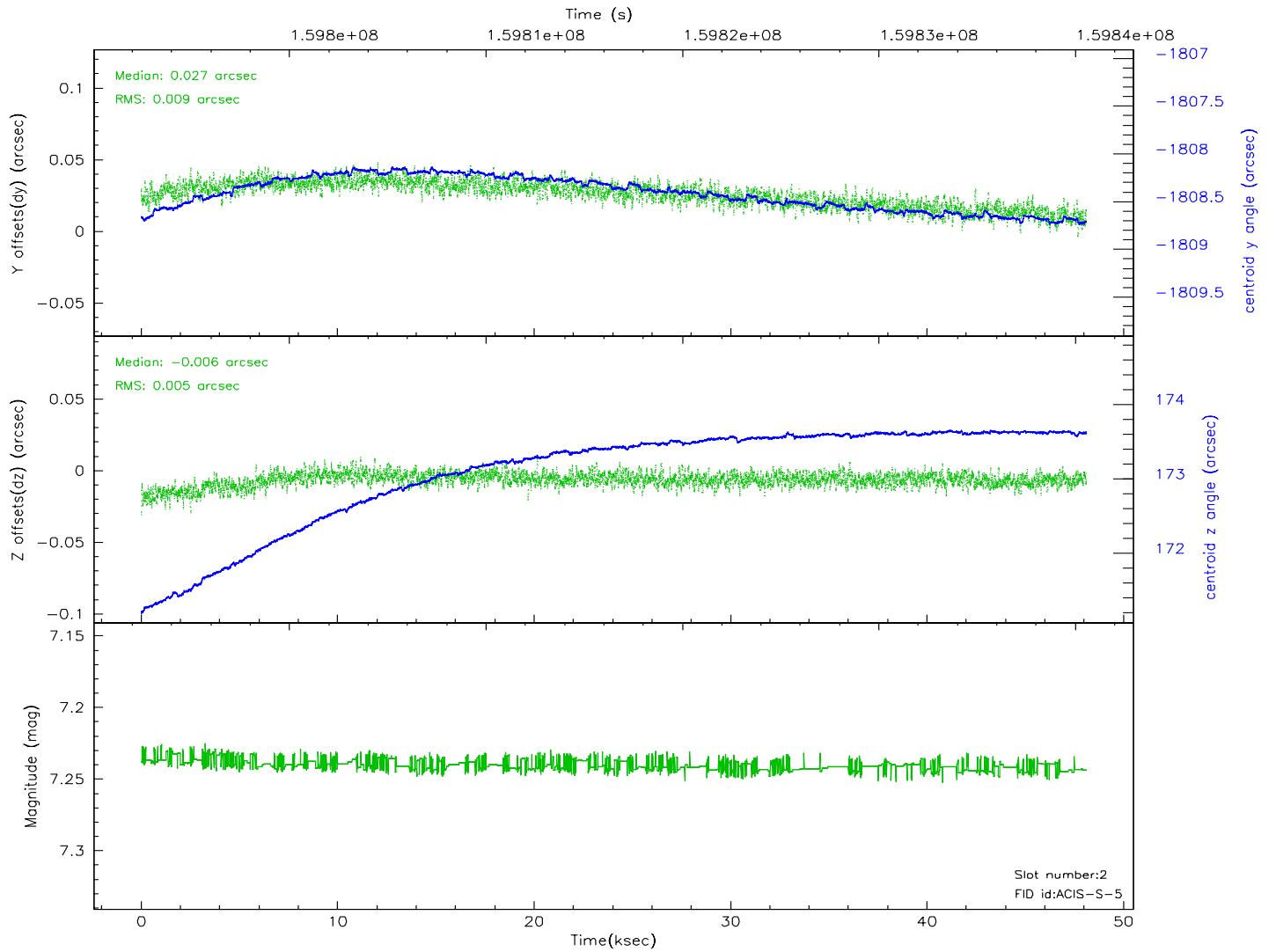
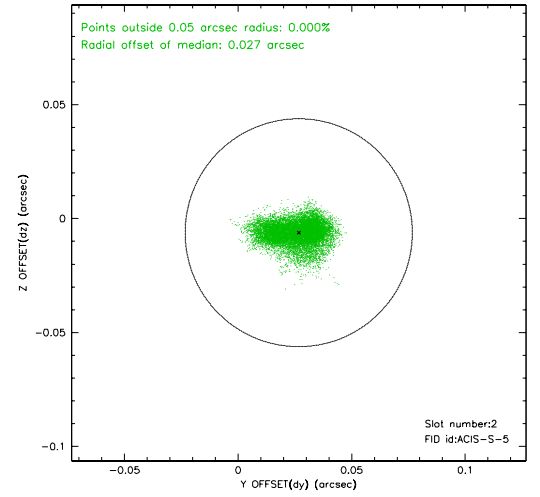
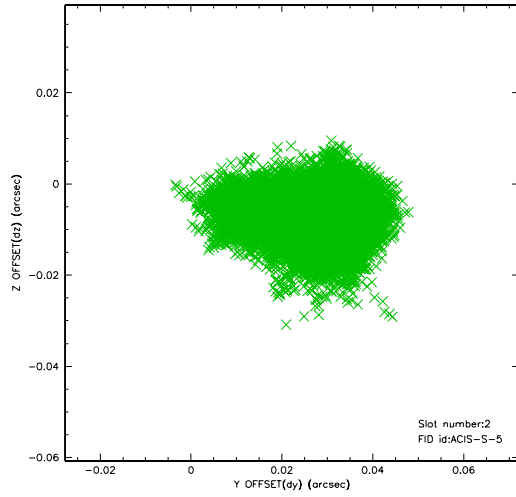
### 2.5.1 Slot 0



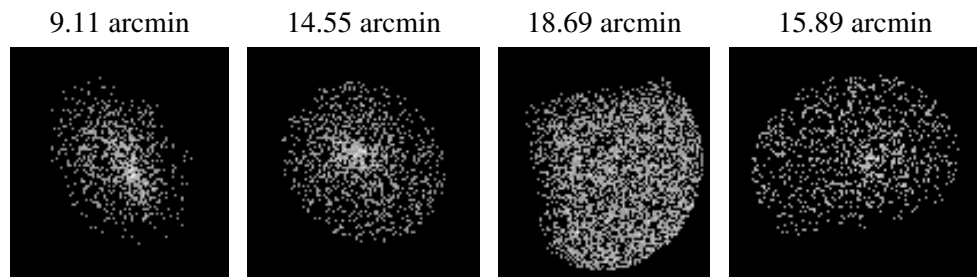
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	48.111

### A.2 Comments