

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 3149 - L2 Version 001  
Chandra X-Ray Center

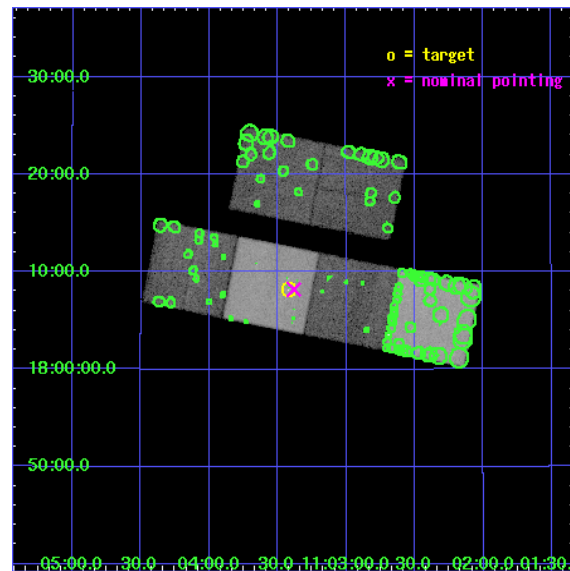
L2 Processing Date : Sep 6 2006

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# 1 Front

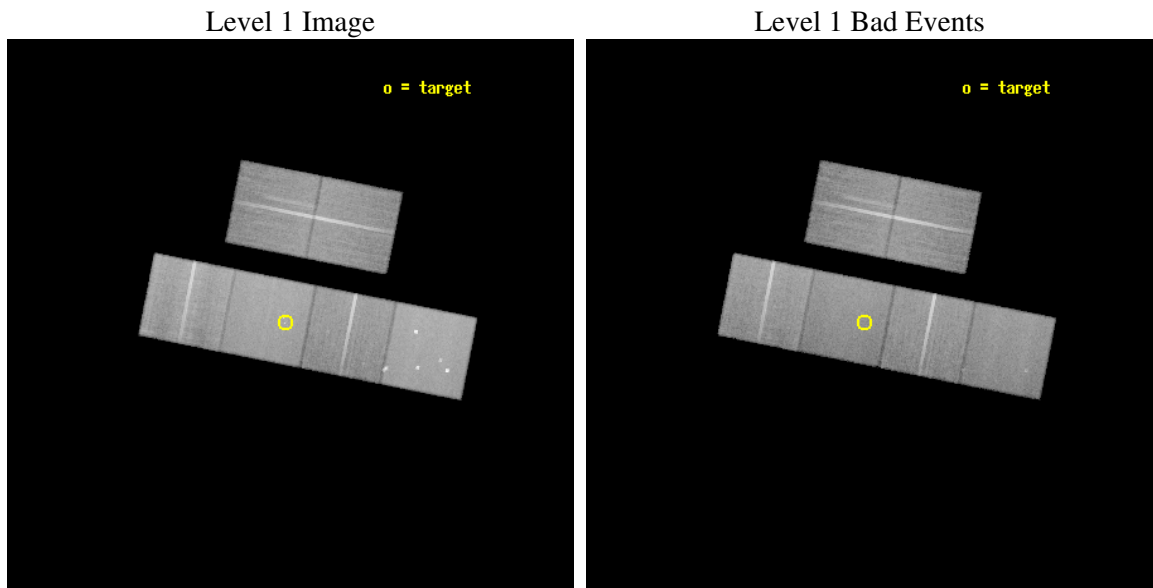
seq_num	700588
obs_id	3149
title	CHANDRA OBSERVATIONS OF TYPE-2 LINERS: STARBURSTS OR AGNS ?
observer	Dr. Andreas Zezas
object	NGC 3507
dtcycle	0
cycle	P
ra_targ	165.855833
dec_targ	18.136944
ra_nom	165.84563194295
dec_nom	18.136773145584
roll_nom	191.20793232649
revision	2
ontime	39756.800037026
livetime	39253.375496287
ontime2	39753.559066758
ontime3	39756.800037026
ontime5	39756.800037026
ontime6	39756.800037026
ontime7	39756.800037026
ontime8	39753.559076697
l2events	406968



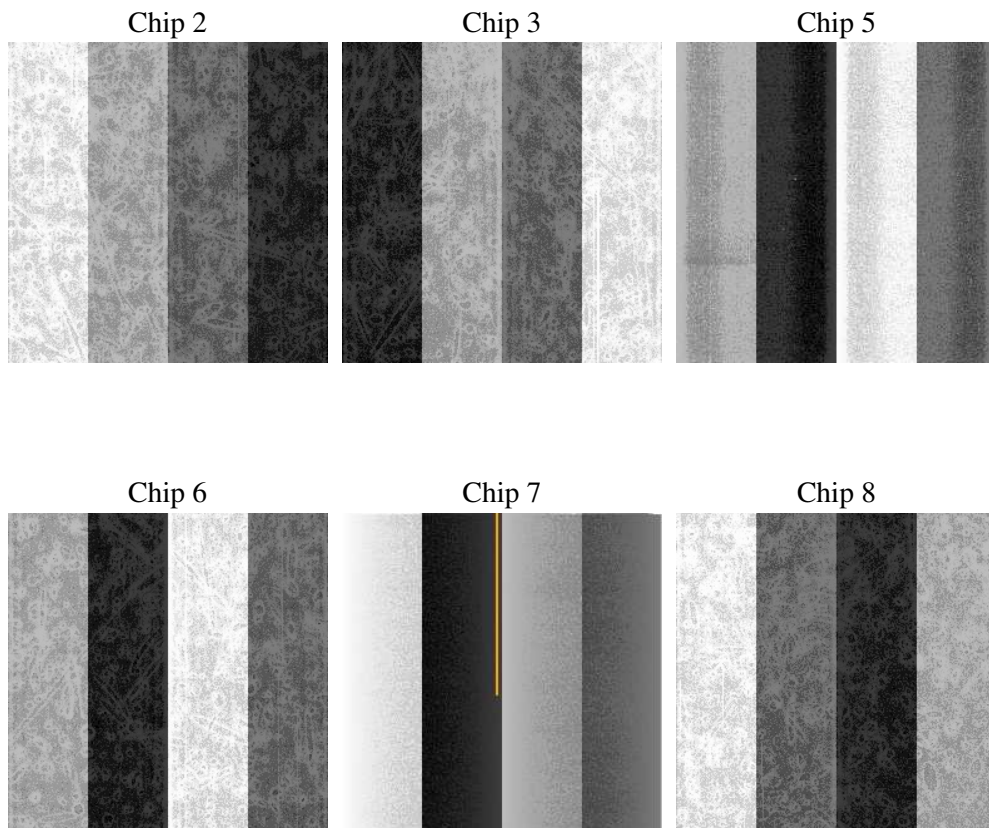
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-09-06T14:17:03
revision	2

sched_exp_time	40000.000000
ontime	39760.659528434
ontime2	39757.418558165
ontime3	39760.659528434
ontime5	39760.659528434
ontime6	39760.659528434
ontime7	39760.659528434
ontime8	39757.41846852
l1events	1924907

### 2.1.4 Events

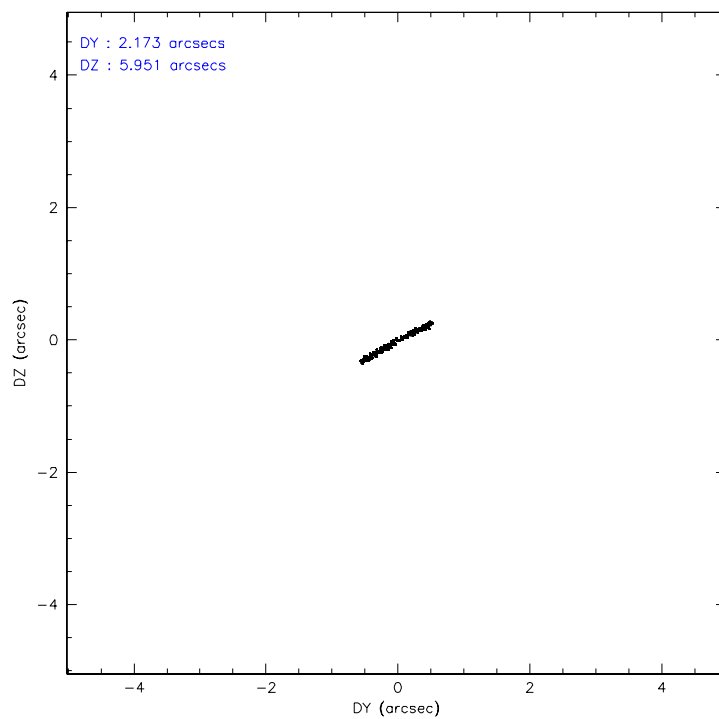
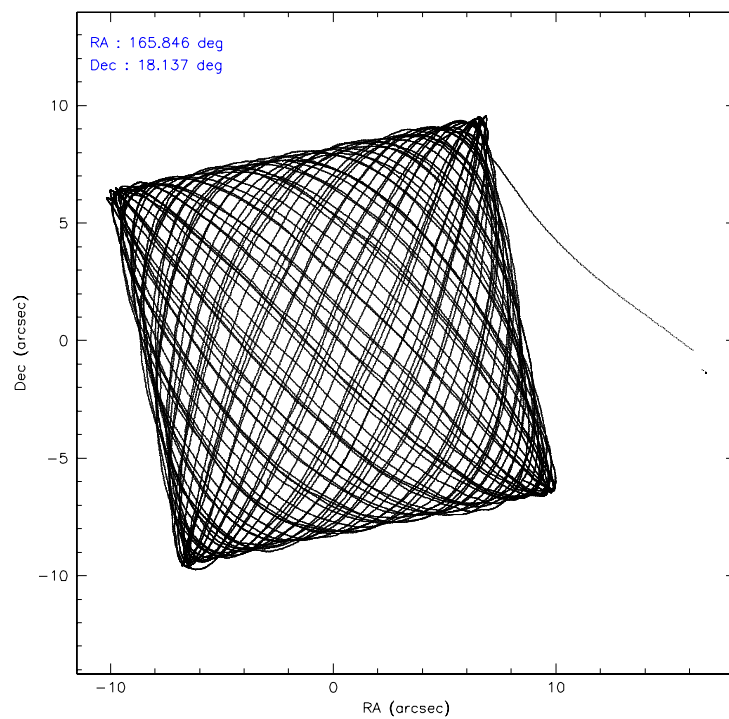
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	277200	267059	394147	275719	352519	358263
rejected events	246578	236554	216237	244002	216706	279408
rejected %	88%	88%	54%	88%	61%	77%

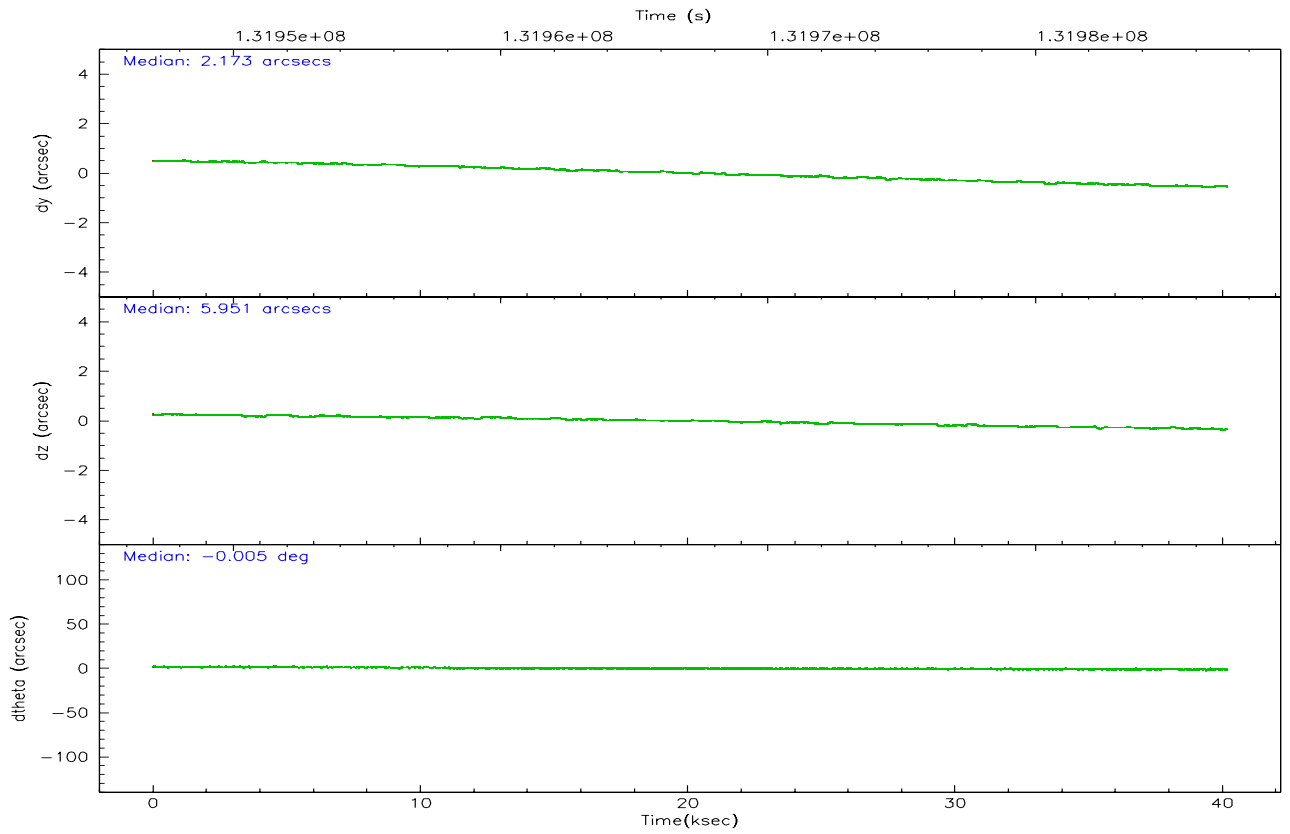
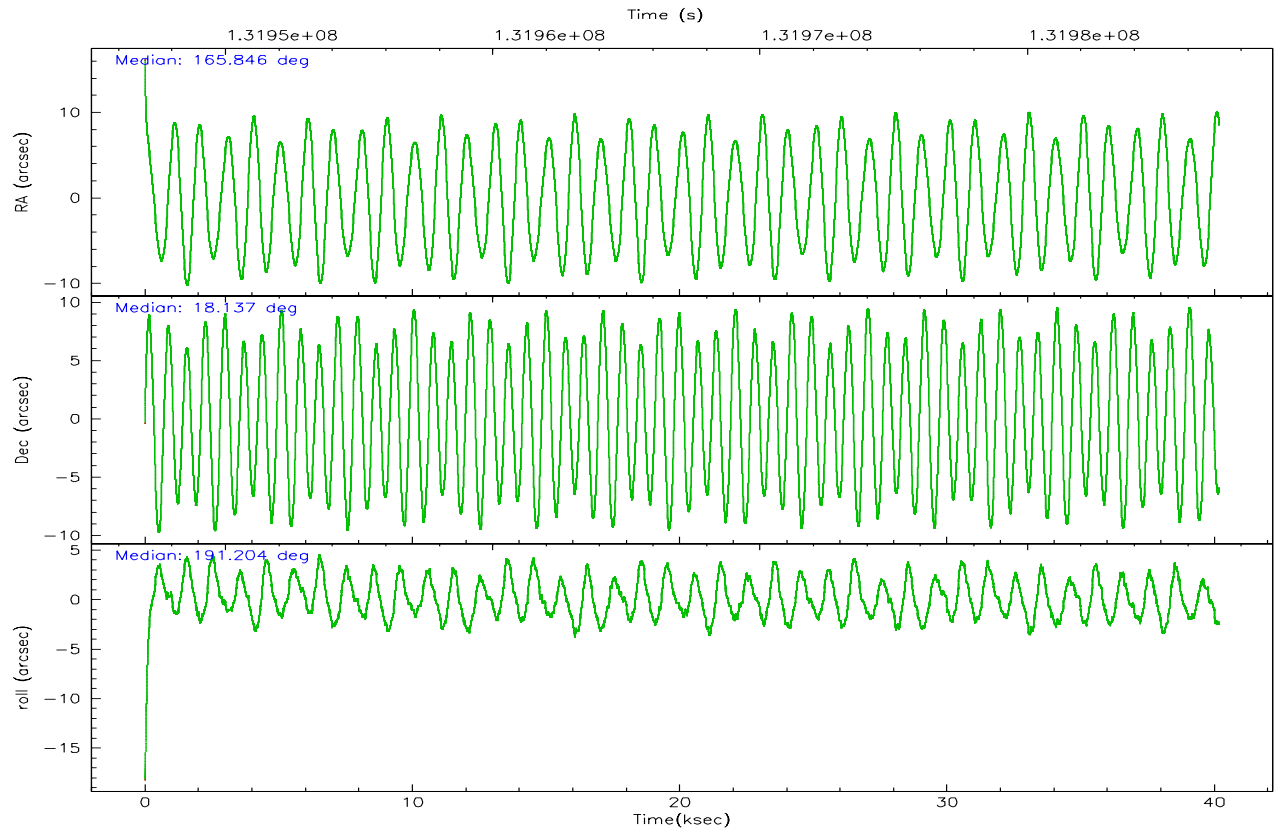
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	12503	12627	20128	12621	8768	25158
	4%	4%	5%	4%	2%	7%
grade 1 events	128	117	759	128	230	243
	0%	0%	0%	0%	0%	0%
grade 2 events	7004	6315	52247	6741	33481	16212
	2%	2%	13%	2%	9%	4%
grade 3 events	2861	2986	4263	3142	7245	9340
	1%	1%	1%	1%	2%	2%
grade 4 events	2778	2847	4010	2998	6943	8446
	1%	1%	1%	1%	1%	2%
grade 5 events	9647	10546	19018	11645	23774	15078
	3%	3%	4%	4%	6%	4%
grade 6 events	5477	5732	97278	6215	79379	19701
	1%	2%	24%	2%	22%	5%
grade 7 events	236802	225889	196444	232229	192699	264085
	85%	84%	49%	84%	54%	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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	165.866956	165.845631942948	Alternating exposures requested	N	N
Pointing Dec	18.154971	18.13677314558439	Primary exposure time	0.000000	3.2
Pointing Roll	191.044665	191.2079323264905			
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	131947175.184000	131946180.14228			
Observation start date	2002-03-08T03:58:31	2002-03-08T03:43:00			
Observation end time	131987175.184000	131987942.74397			
Observation end date	2002-03-08T15:05:11	2002-03-08T15:19:02			
Read mode	TIMED	TIMED			

## 2.3 Aspect





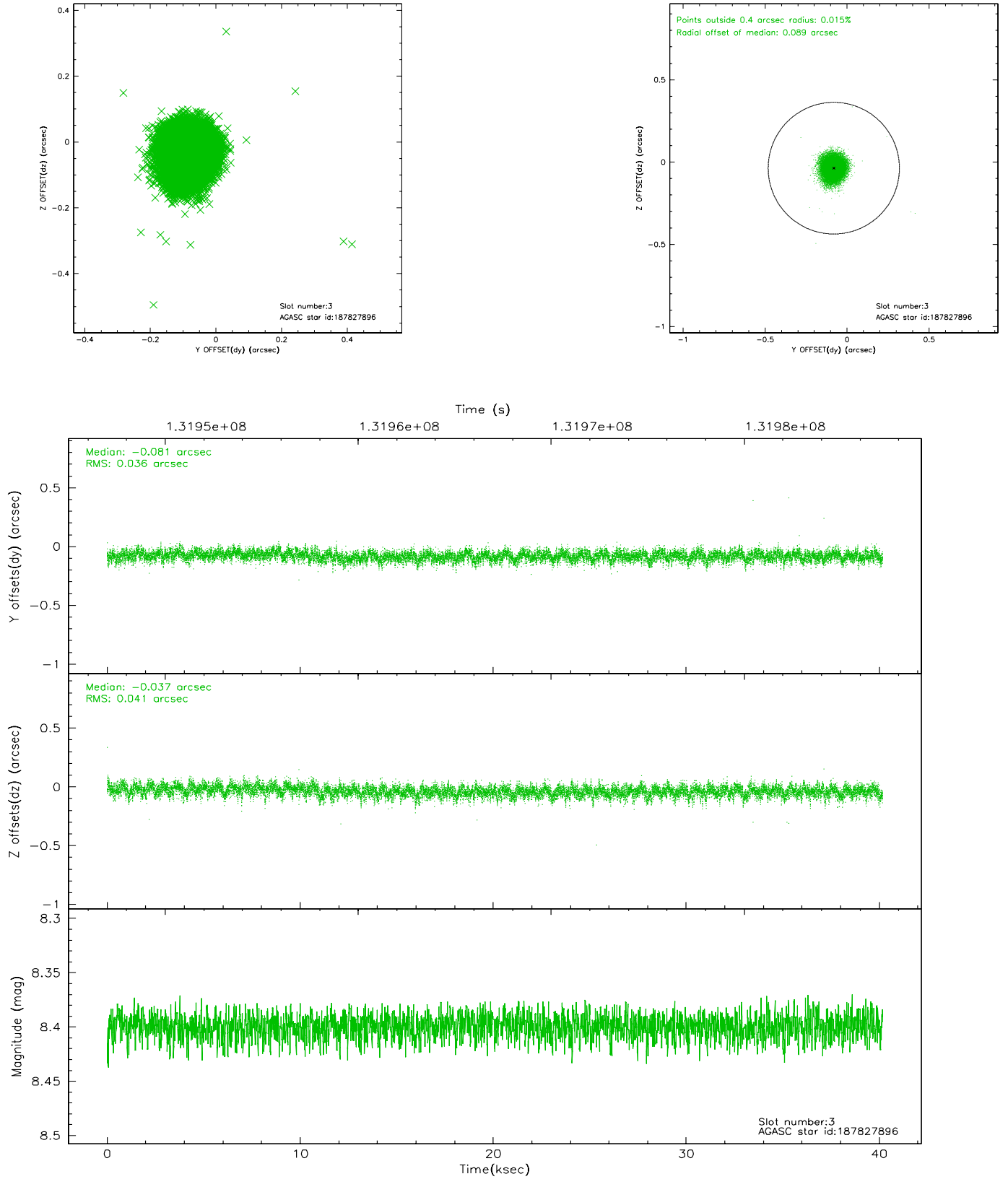
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.37	9800	-0.086	-0.043	0.015	0.024	0.000000	0.000000	58.35	-1856.18
1	FID	ACIS-S-4	7.21	9798	-0.032	0.067	0.013	0.020	0.000000	0.000000	2158.53	181.48
2	FID	ACIS-S-5	7.24	9797	0.083	-0.013	0.011	0.026	0.000000	0.000000	-1807.53	175.05
3	GUIDE	187827896	8.40	19595	-0.081	-0.037	0.058	0.096	166.435623	18.837897	-2372.97	-2044.63
4	GUIDE	187699832	9.16	19582	-0.013	0.119	0.071	0.114	165.325101	17.709551	2130.68	1215.77
5	GUIDE	187833232	8.97	19594	0.081	-0.088	0.066	0.107	165.605176	18.069121	939.01	131.57
6	GUIDE	187831936	9.20	19592	0.025	-0.082	0.091	0.145	166.346710	17.662710	-1275.88	2052.82
7	GUIDE	187837080	9.08	19595	-0.013	0.091	0.089	0.138	166.190381	18.830164	-1547.09	-2175.04

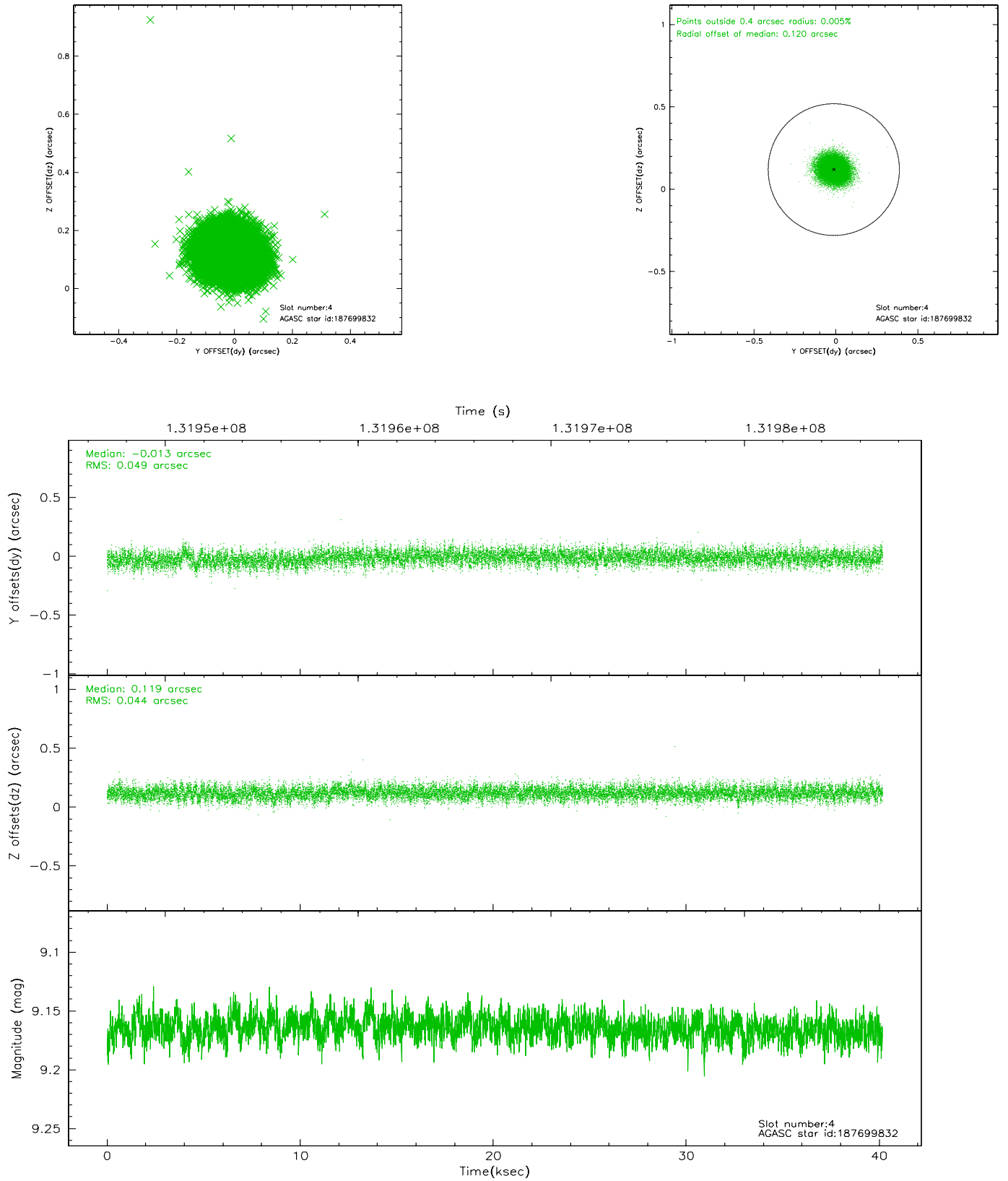


## 2.4 Star Slots

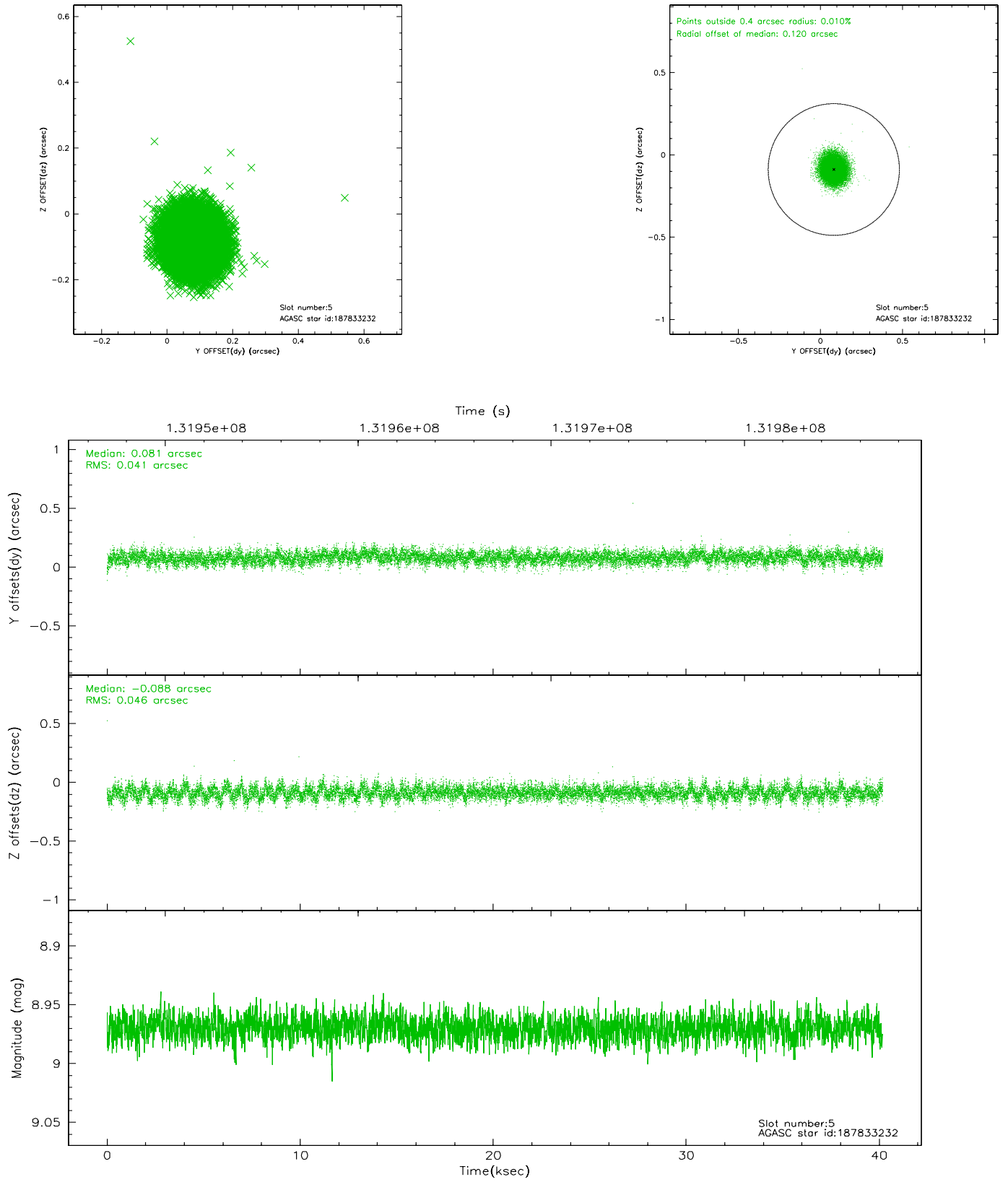
### 2.4.1 Slot 3



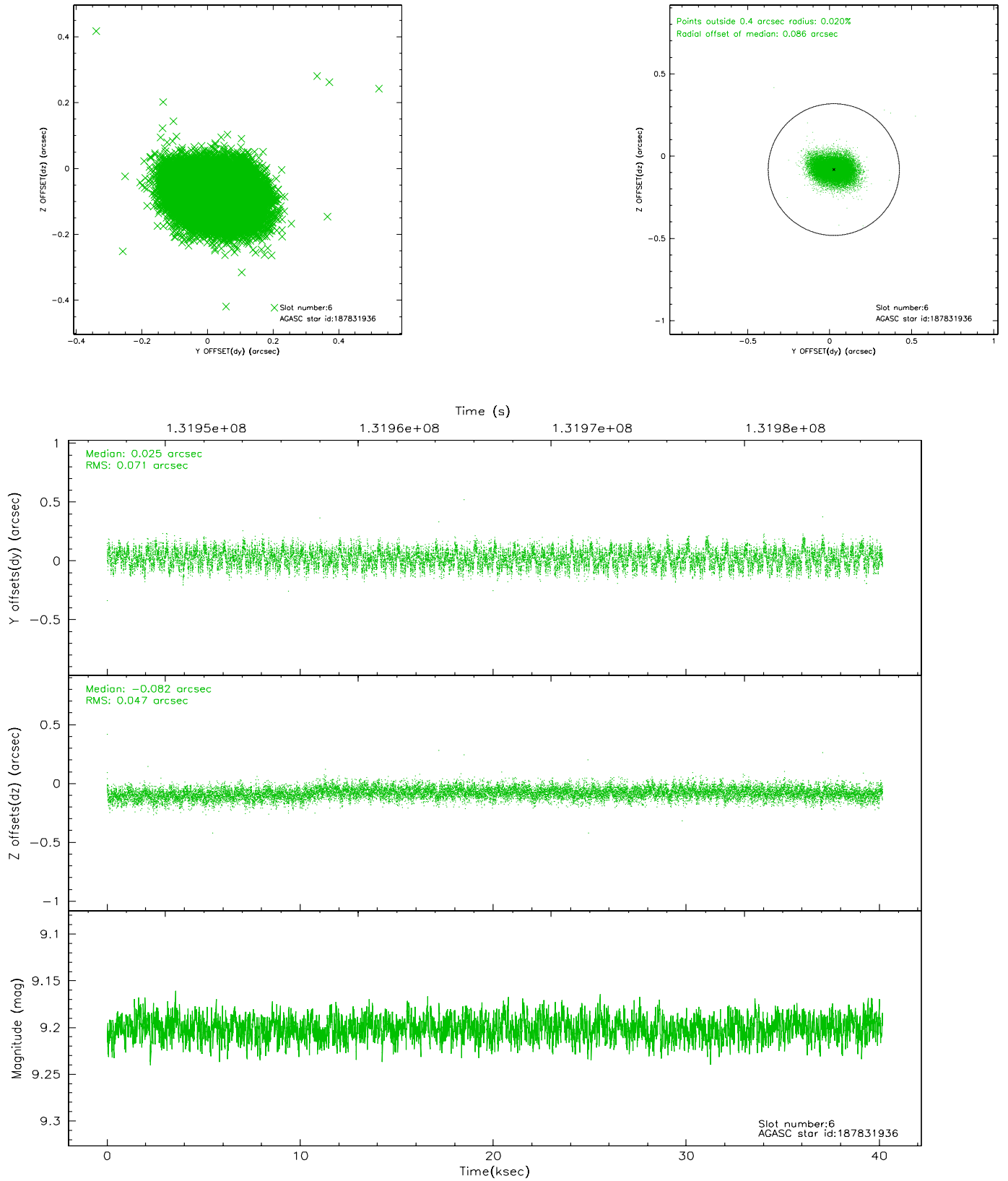
## 2.4.2 Slot 4



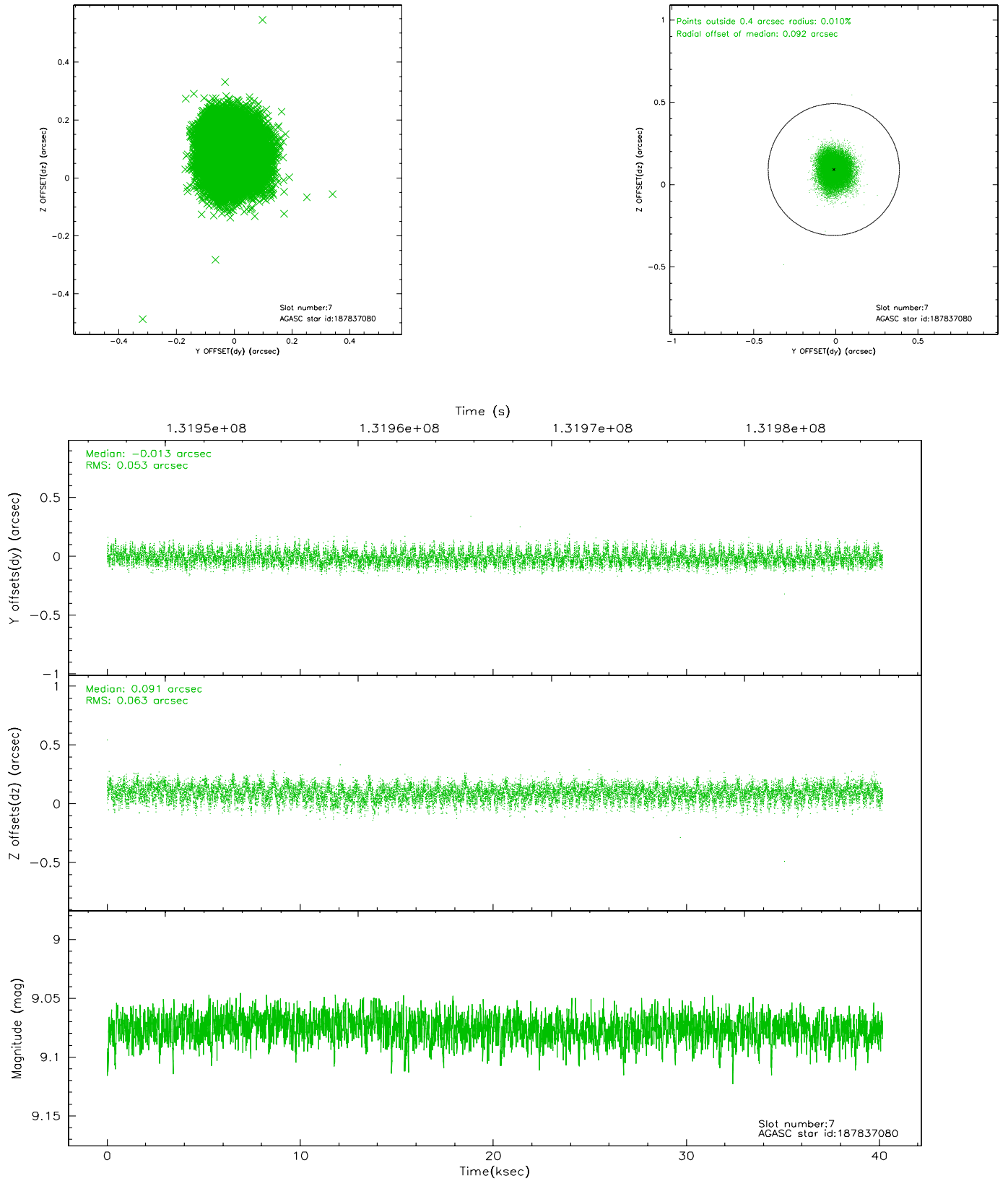
### 2.4.3 Slot 5



## 2.4.4 Slot 6

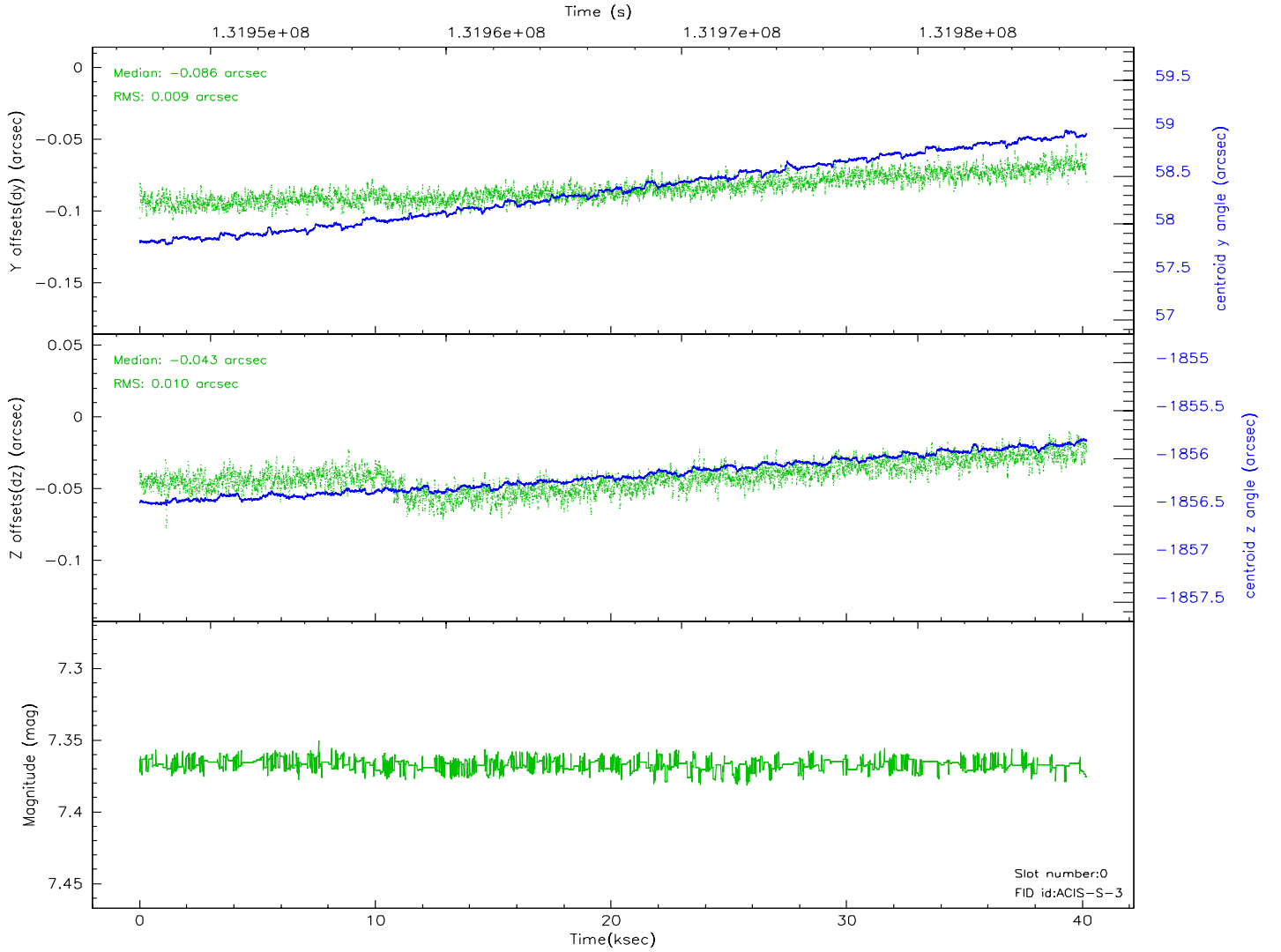
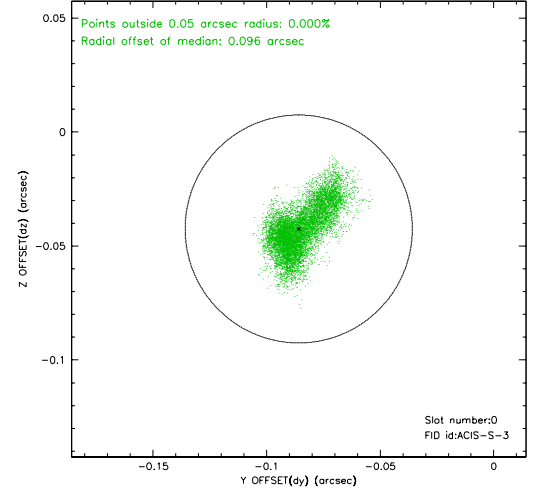
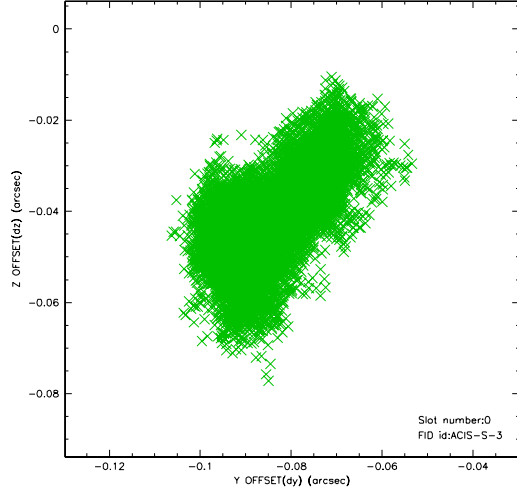


## 2.4.5 Slot 7

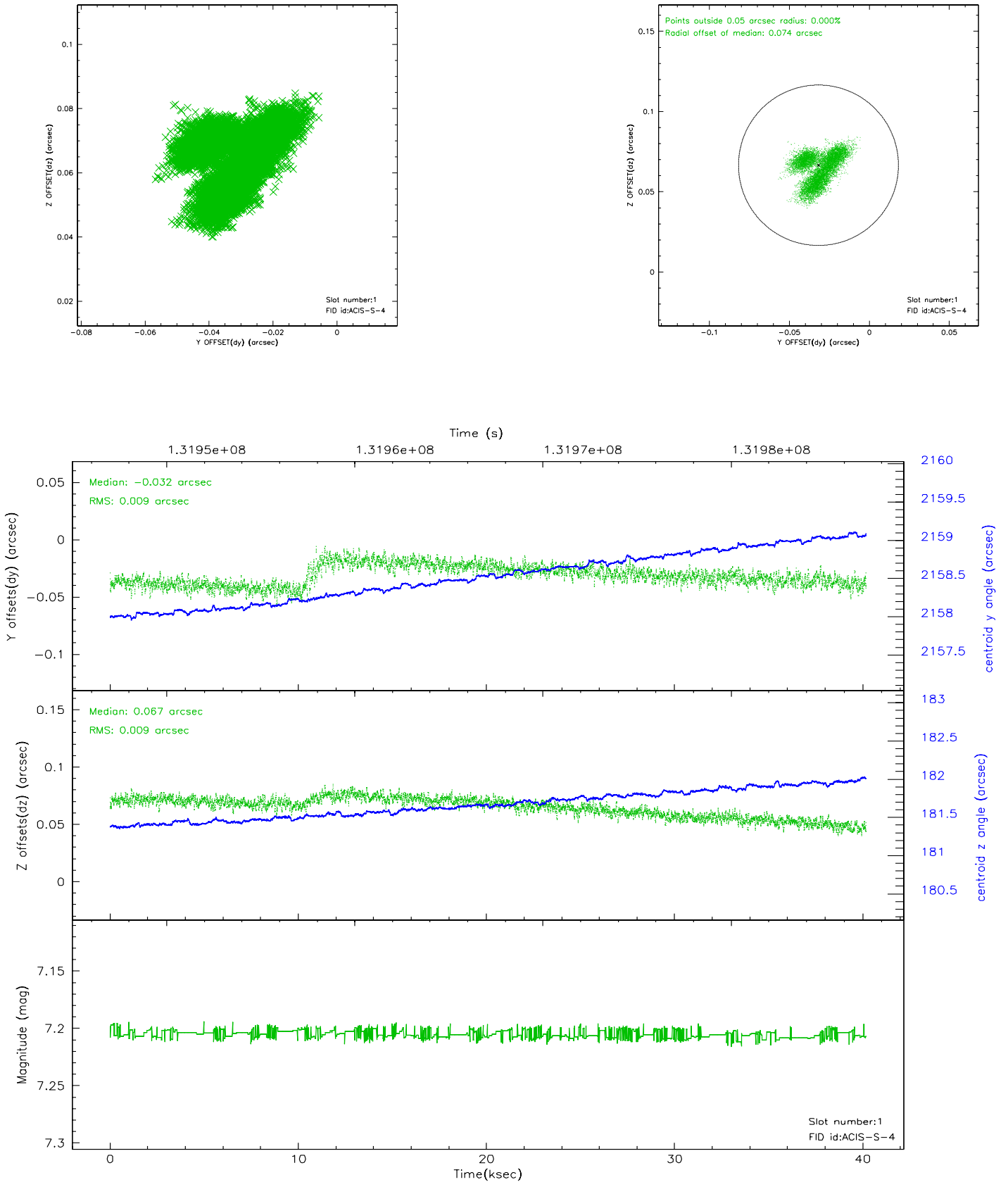


## 2.5 FID Slots

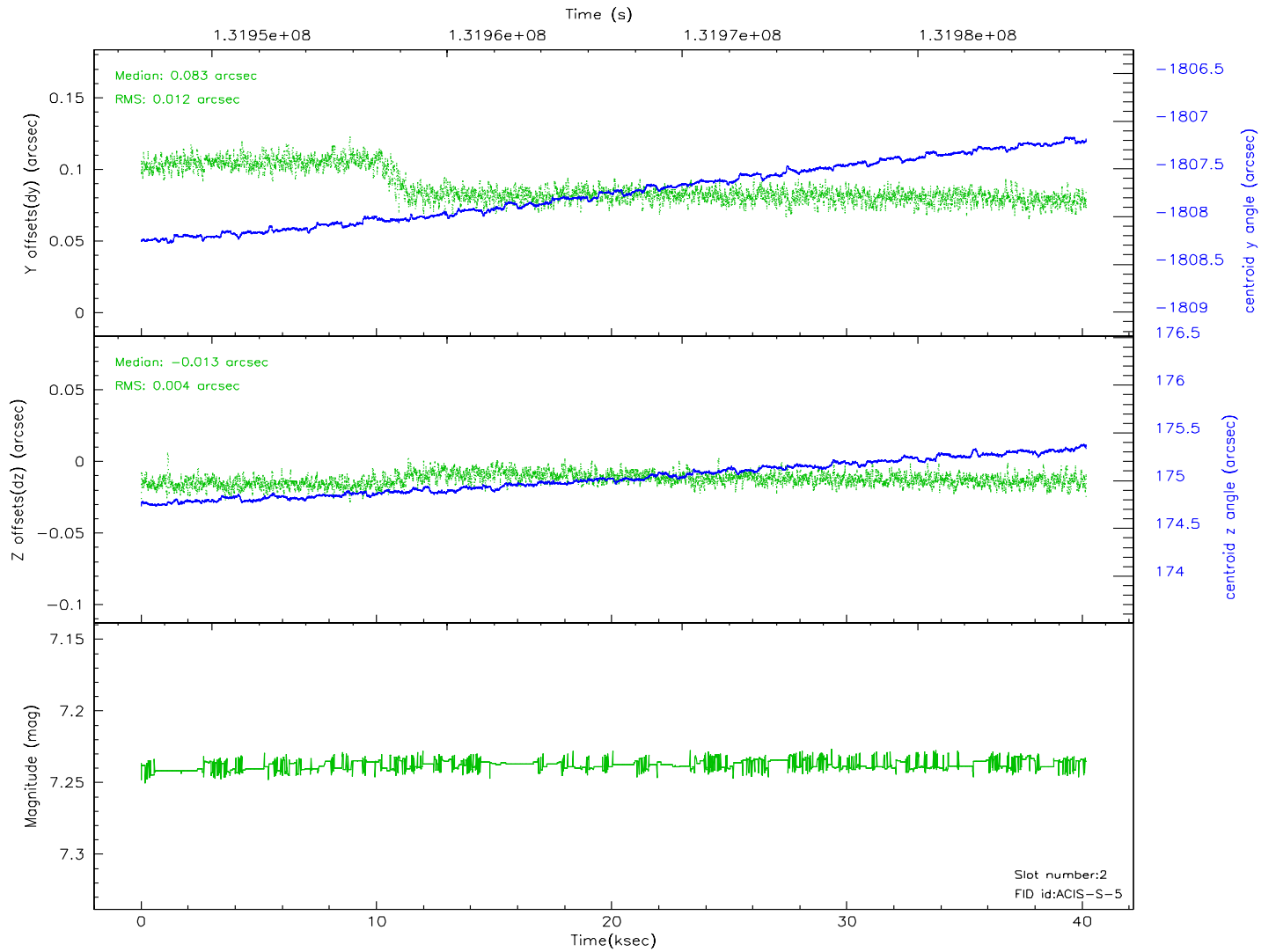
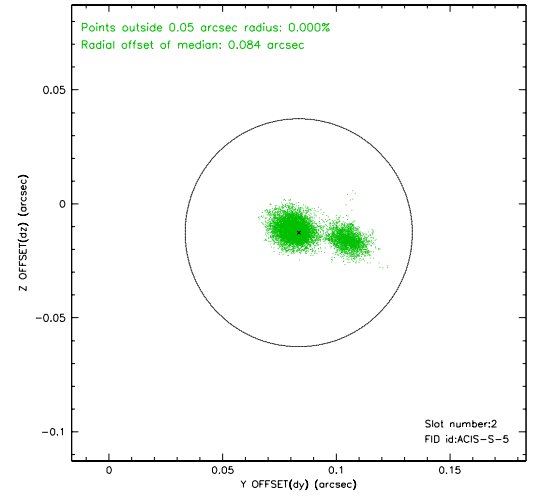
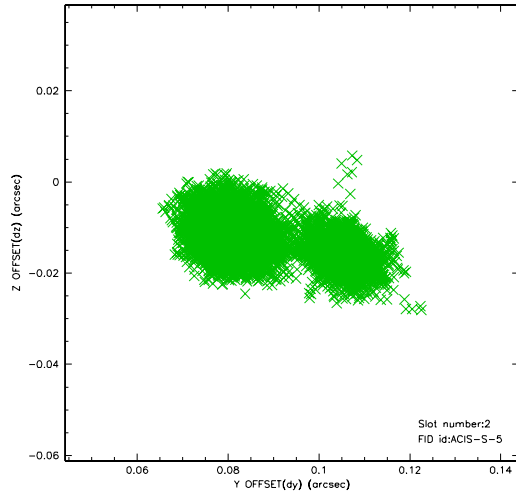
### 2.5.1 Slot 0



## 2.5.2 Slot 1

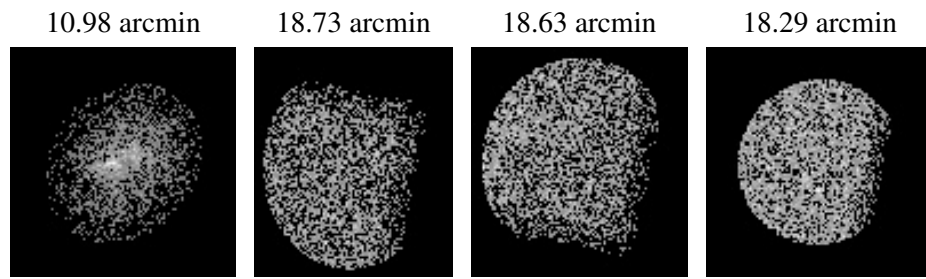


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.756

### A.2 Comments