

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5389 - L2 Version 002  
Chandra X-Ray Center

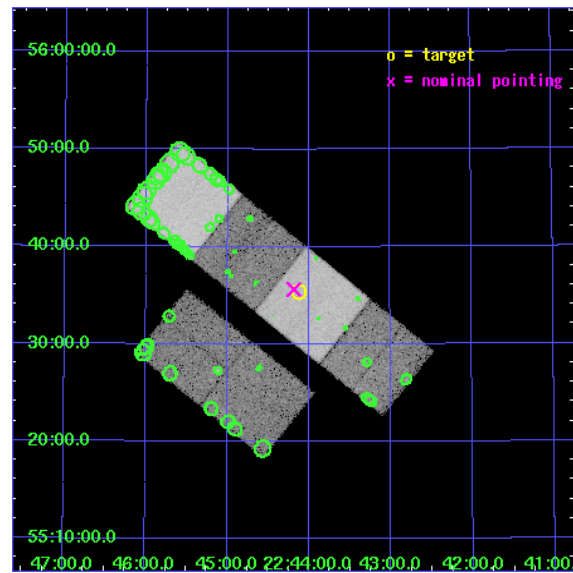
L2 Processing Date : Mar 17 2006

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# 1 Front

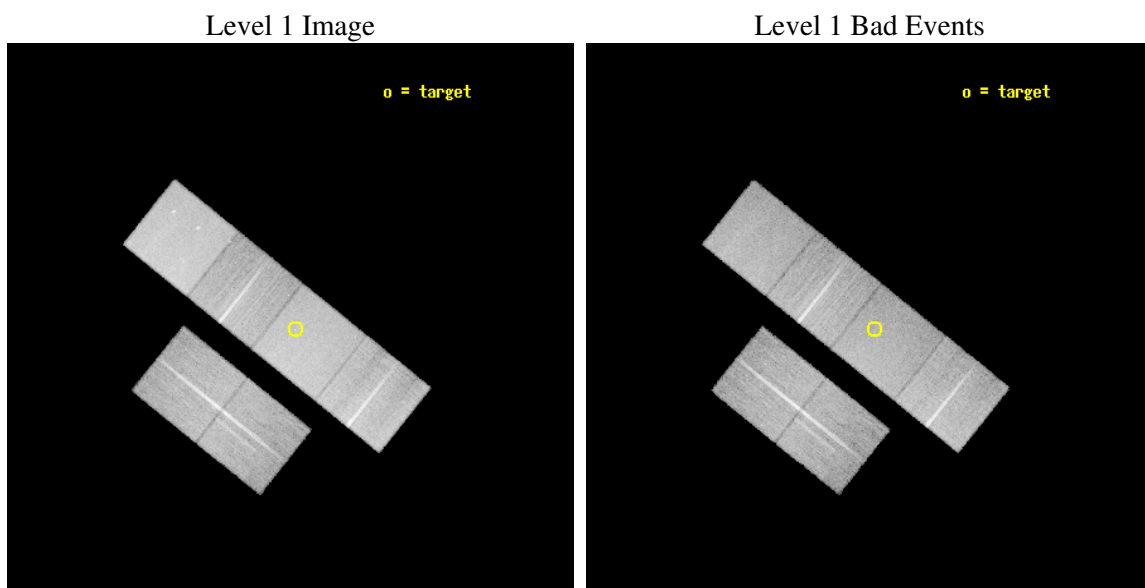
seq_num	200324
obs_id	5389
title	The puzzle of X-ray emission from magnetic stars without convective envelopes
observer	Prof. J rgen Schmitt
object	HD 215441
dtcycle	0
cycle	P
ra_targ	341.03125
dec_targ	55.589222
ra_nom	341.04620330746
dec_nom	55.593829344932
roll_nom	38.725716754663
revision	2
ontime	20499.199923635
livetime	20239.626711065
ontime2	20499.199923635
ontime3	20499.199923635
ontime5	20499.199923635
ontime6	20499.199923635
ontime7	20499.199923635
ontime8	20499.199923635
l2events	245967



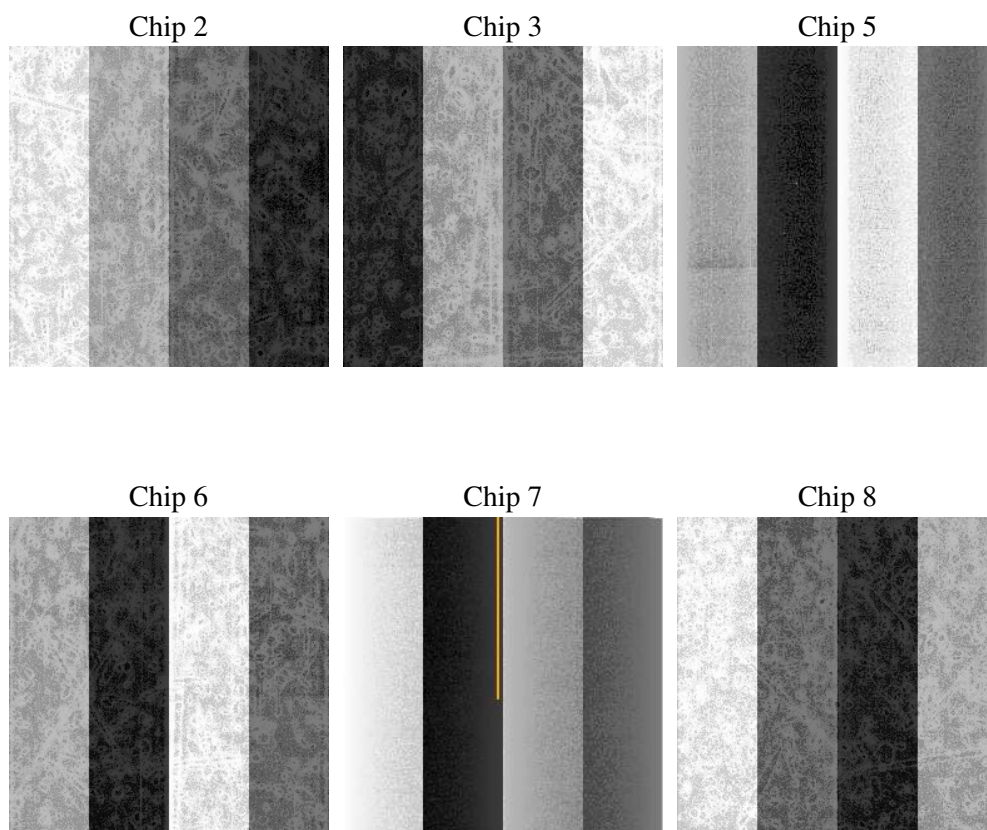
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-17T23:13:58
revision	2

sched_exp_time	20375.437000
ontime	20732.692121863
ontime2	20732.692091972
ontime3	20732.692121863
ontime5	20732.692121863
ontime6	20732.692091972
ontime7	20732.692121863
ontime8	20732.692091972
l1events	1109070

### 2.1.4 Events

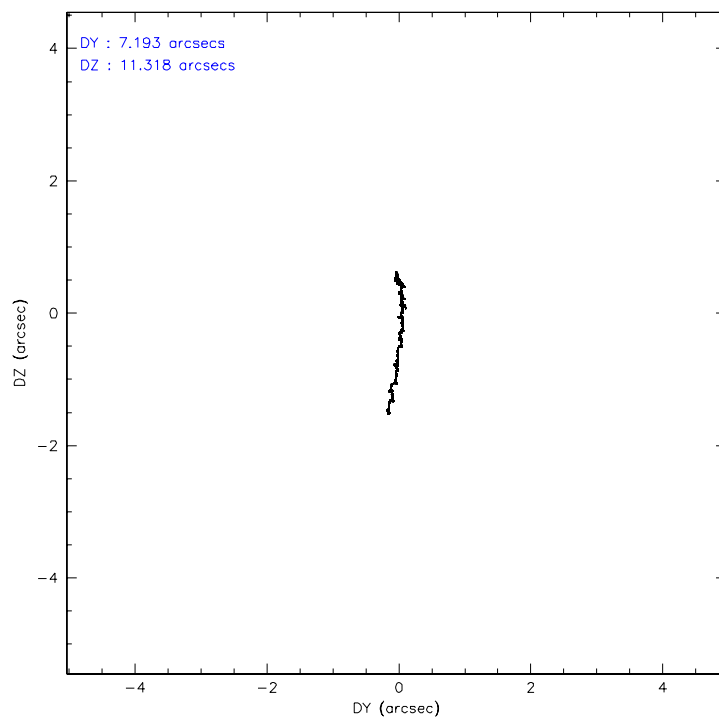
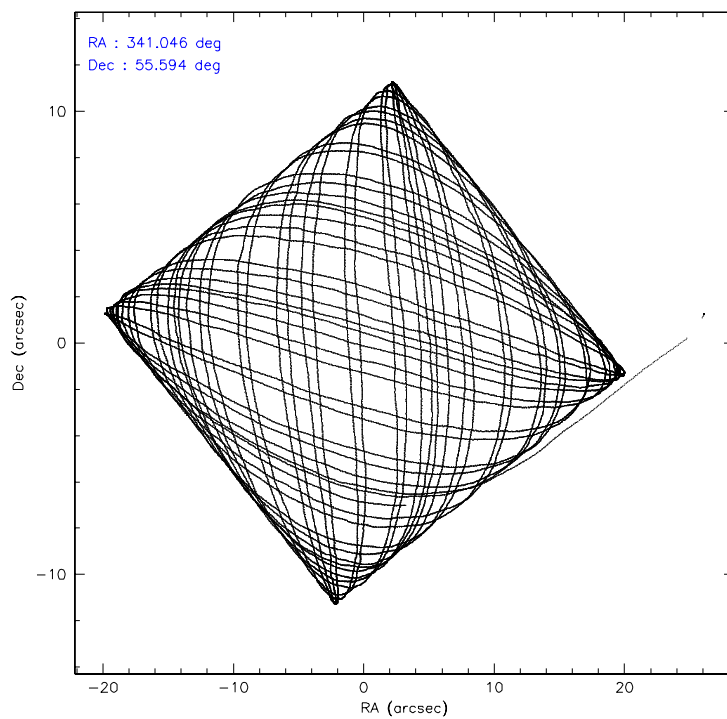
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	157256	147629	230562	161855	211972	199796
rejected events	138041	129195	131090	142088	130658	156915
rejected %	87%	87%	56%	87%	61%	78%

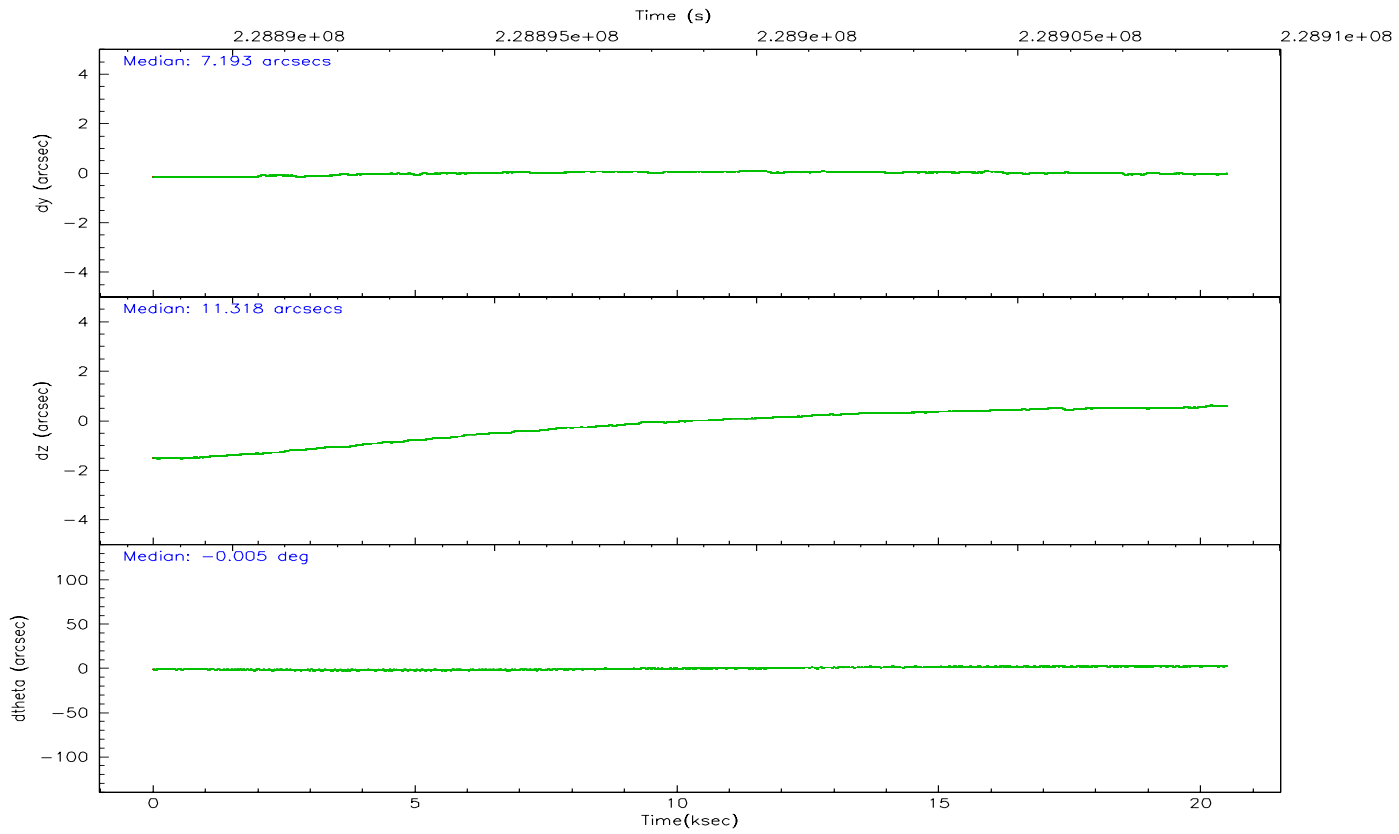
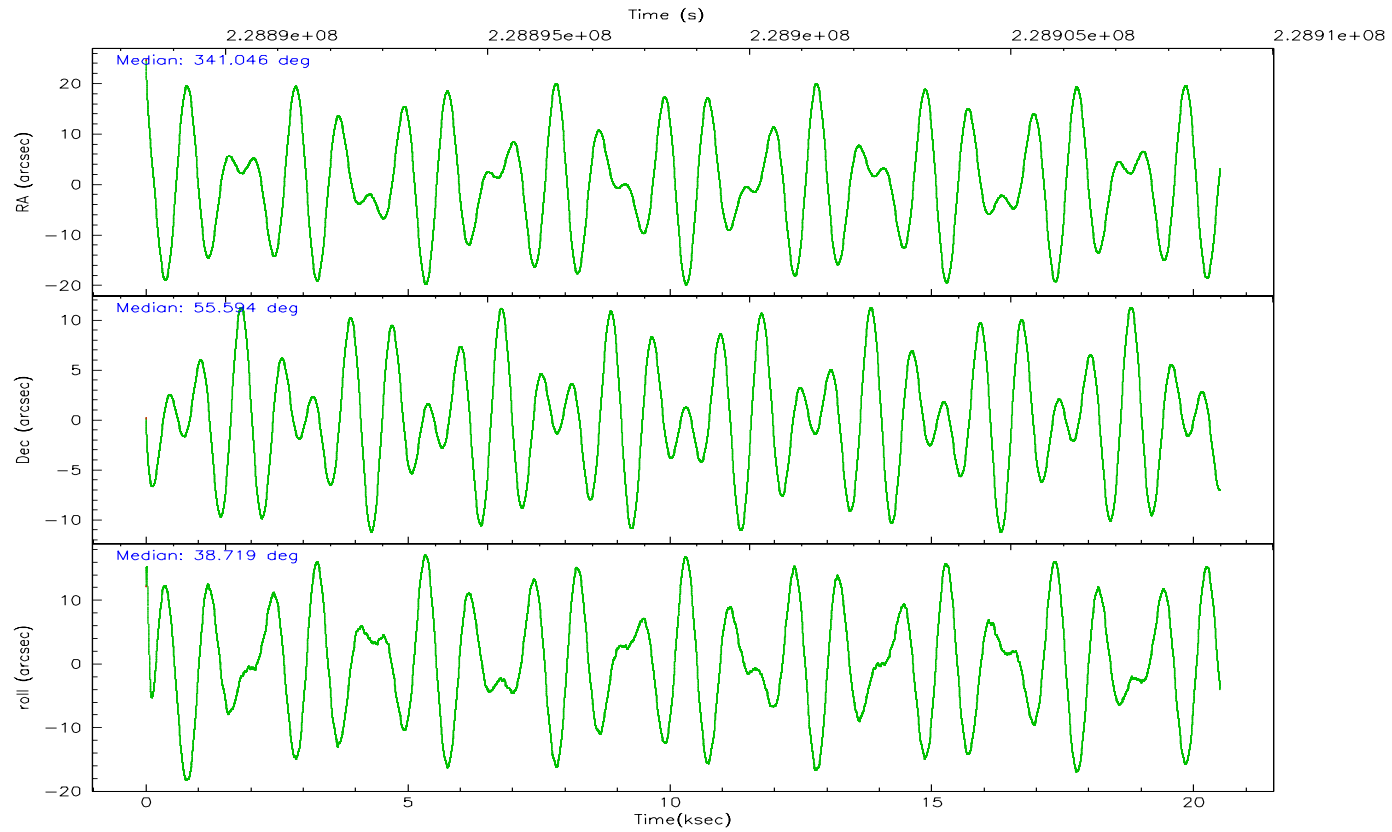
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	8952	8424	4989	8329	4405	14193
	5%	5%	2%	5%	2%	7%
grade 1 events	106	87	192	71	116	147
	0%	0%	0%	0%	0%	0%
grade 2 events	3785	3532	31587	4152	20711	9296
	2%	2%	13%	2%	9%	4%
grade 3 events	1746	1794	2187	1757	3934	4474
	1%	1%	0%	1%	1%	2%
grade 4 events	1781	1764	2063	1892	3893	4238
	1%	1%	0%	1%	1%	2%
grade 5 events	6139	6849	11127	7094	13725	9536
	3%	4%	4%	4%	6%	4%
grade 6 events	3185	3123	59826	3842	49350	11166
	2%	2%	25%	2%	23%	5%
grade 7 events	131562	122056	118591	134718	115838	146746
	83%	82%	51%	83%	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	341.029394	341.0462033074599	Alternating exposures requested	N	N
Pointing Dec	55.568357	55.59382934493247	Primary exposure time	0.000000	3.2
Pointing Roll	38.582937	38.72571675466282			
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	228888613.184000	228887453.50975			
Observation start date	2005-04-03T04:09:09	2005-04-03T03:50:53			
Observation end time	228908988.184000	228909208.11074			
Observation end date	2005-04-03T09:48:44	2005-04-03T09:53:28			
Read mode	TIMED	TIMED			

## 2.3 Aspect





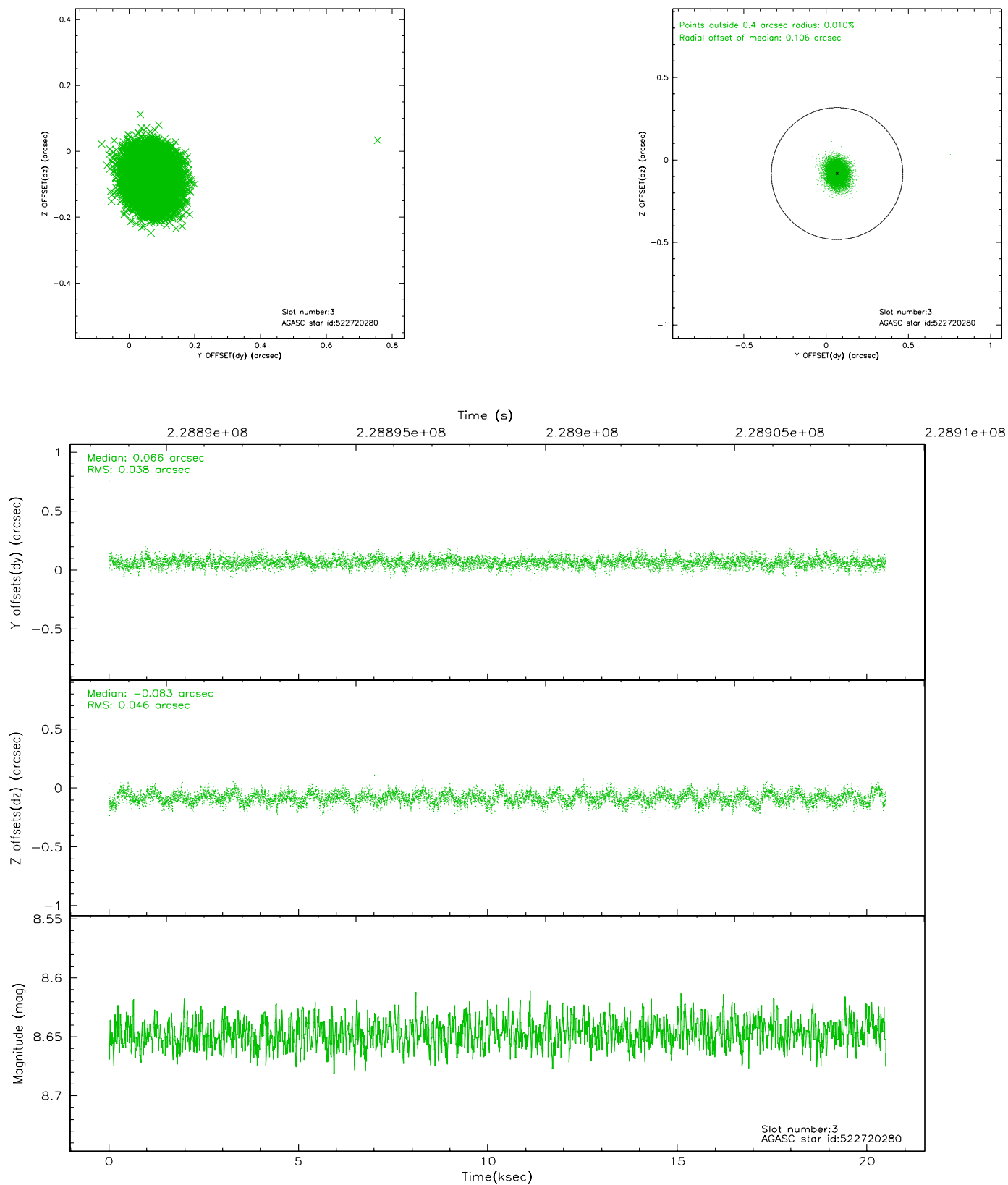
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	5003	-0.036	-0.008	0.014	0.020	0.000000	0.000000	-759.95	-1732.40
1	FID	ACIS-S-4	7.20	5003	0.054	0.019	0.016	0.024	0.000000	0.000000	2153.31	175.96
2	FID	ACIS-S-5	7.23	5002	-0.050	-0.003	0.009	0.014	0.000000	0.000000	-1812.60	169.76
3	GUIDE	522720280	8.65	10001	0.066	-0.083	0.063	0.102	341.147176	55.856789	833.89	663.78
4	GUIDE	522727344	8.58	10003	0.030	0.011	0.076	0.121	340.072680	55.624980	-1384.35	1382.72
5	GUIDE	522605336	8.80	9999	-0.073	-0.015	0.080	0.129	339.553484	55.565557	-2335.06	1890.91
6	GUIDE	522729416	6.92	10005	-0.069	-0.032	0.049	0.080	340.716317	54.757406	-2328.08	-1875.26
7	GUIDE	522719984	8.59	9999	0.046	0.115	0.071	0.114	341.599464	54.990609	-373.49	-2356.17

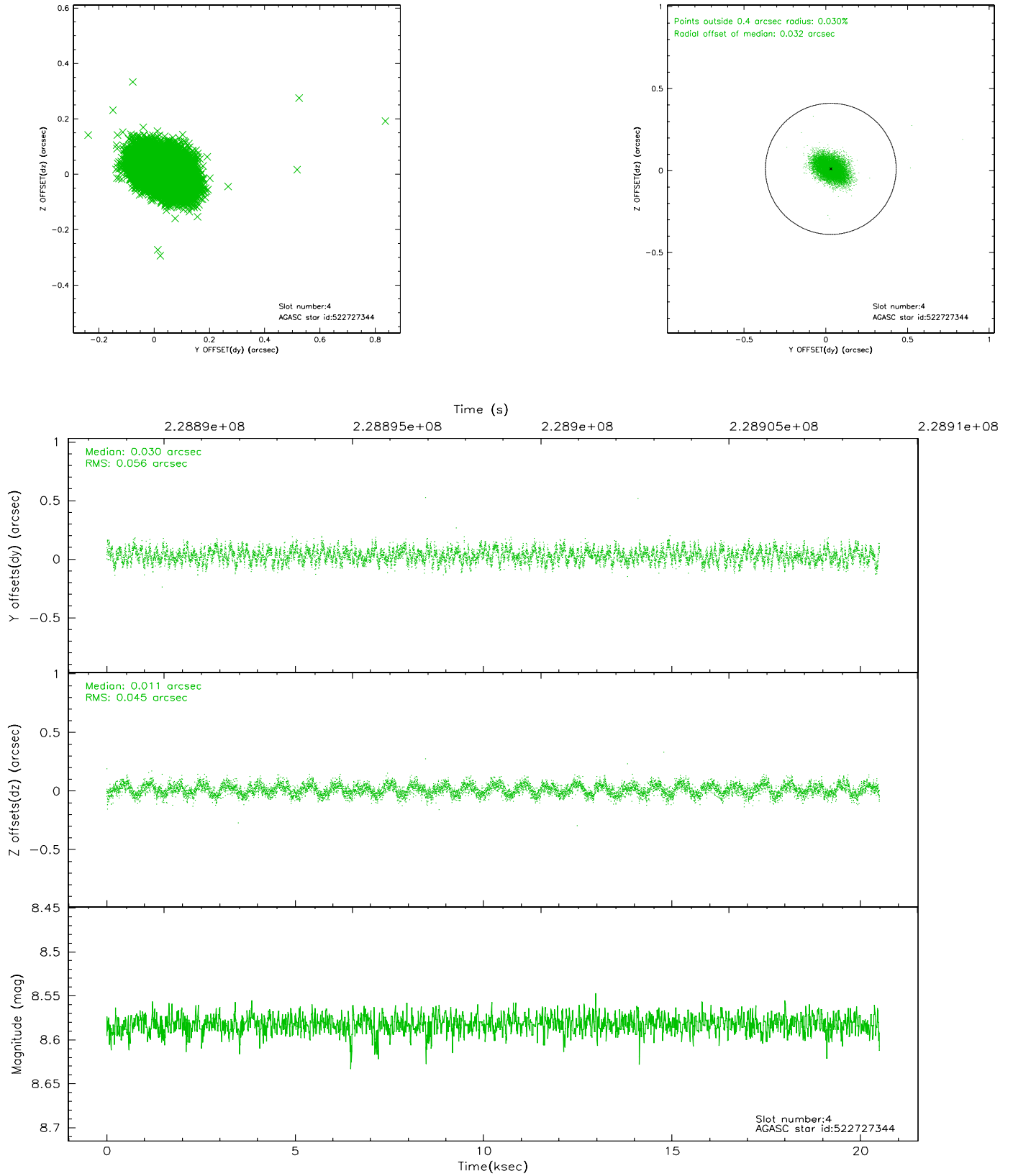


## 2.4 Star Slots

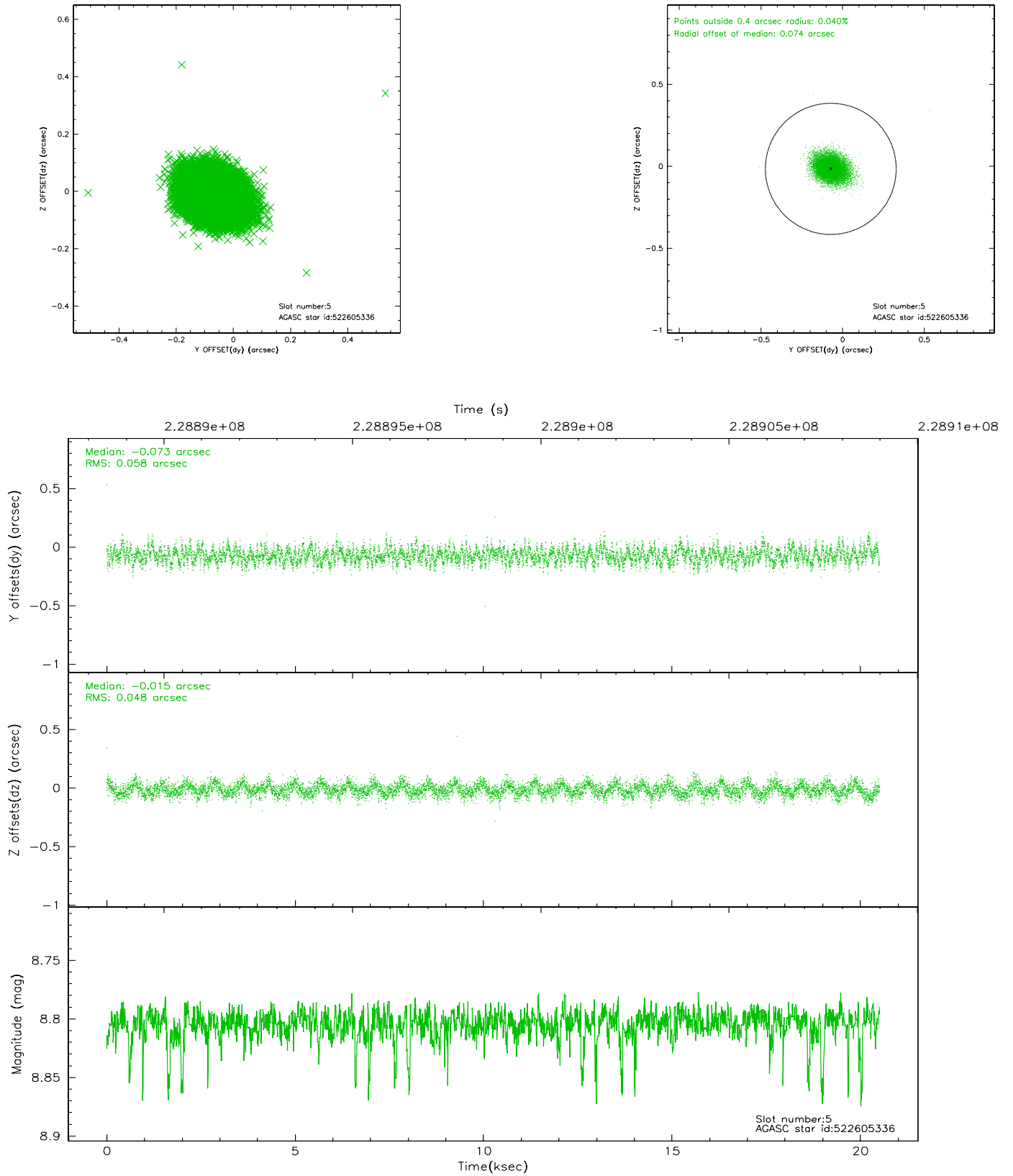
### 2.4.1 Slot 3



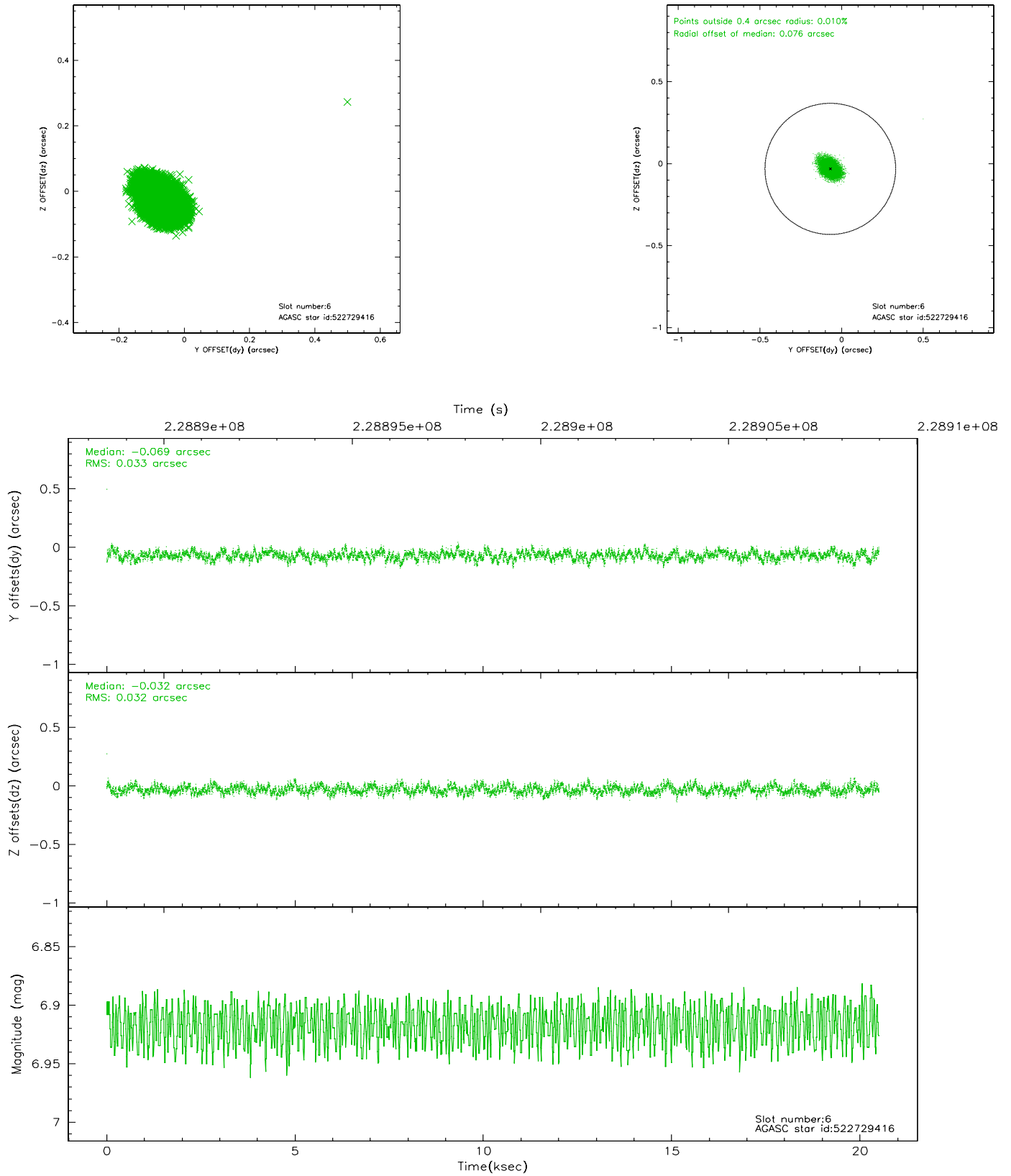
## 2.4.2 Slot 4



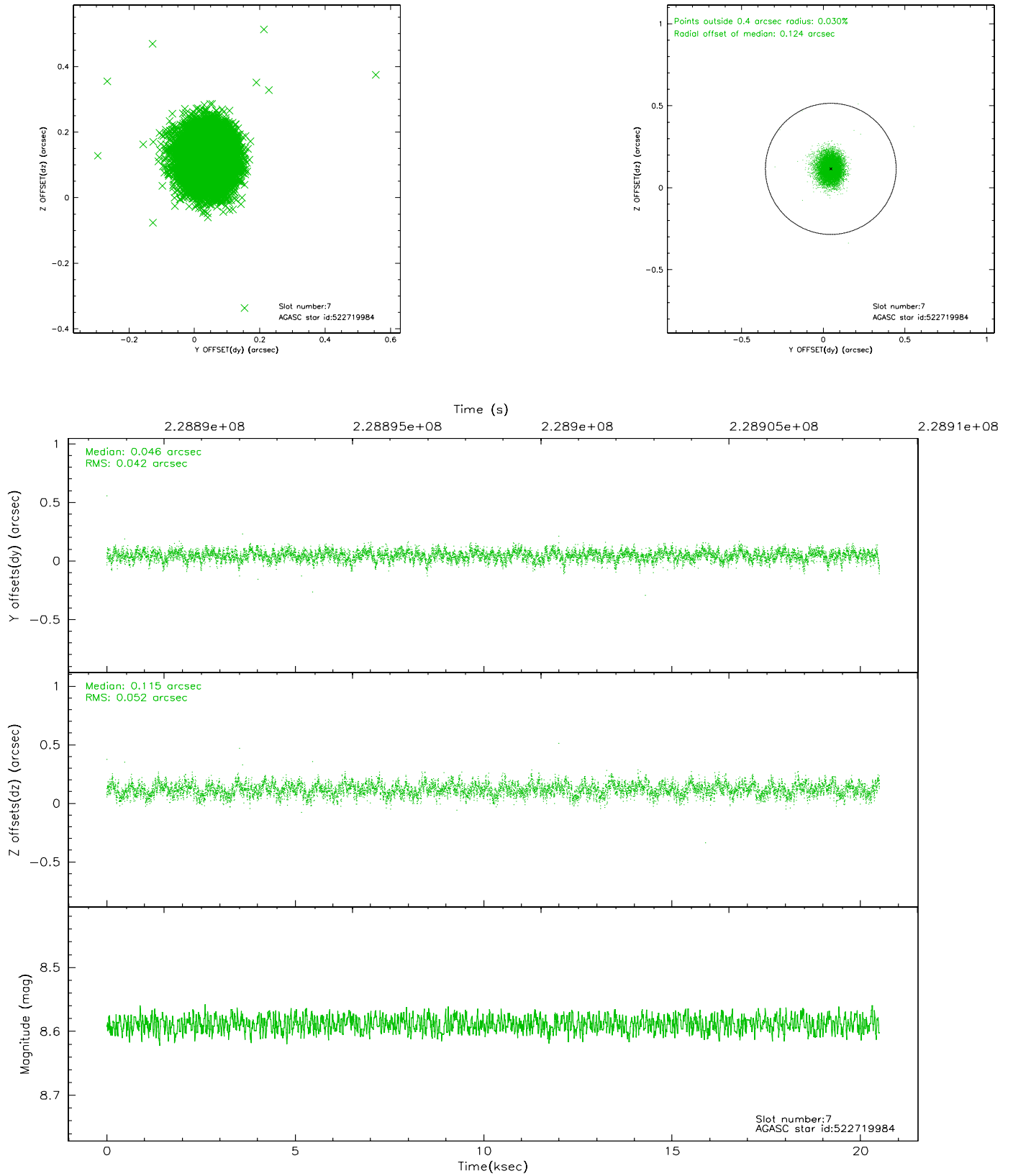
### 2.4.3 Slot 5



## 2.4.4 Slot 6

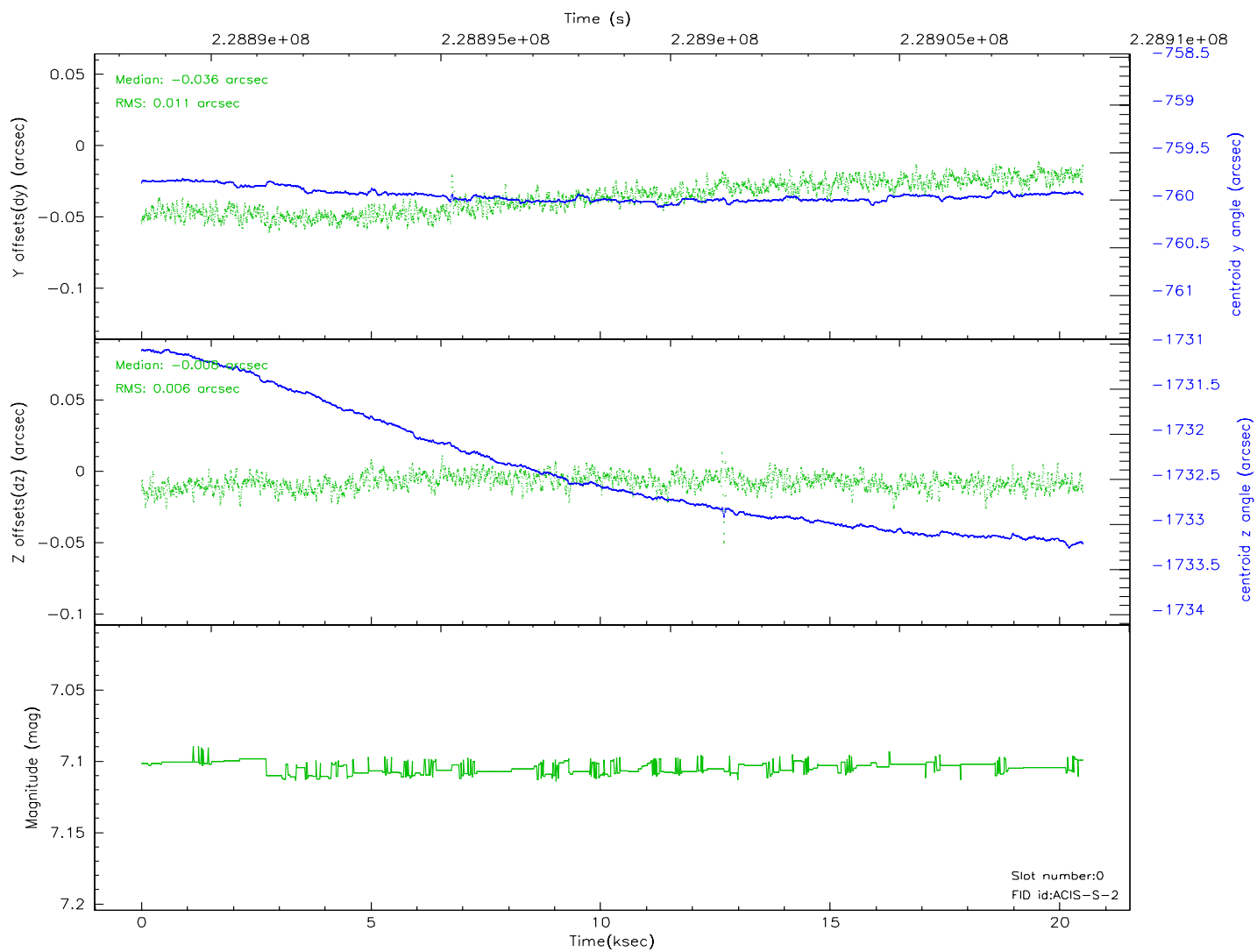
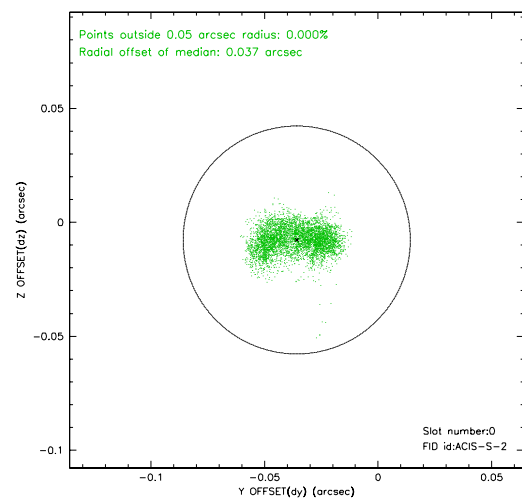
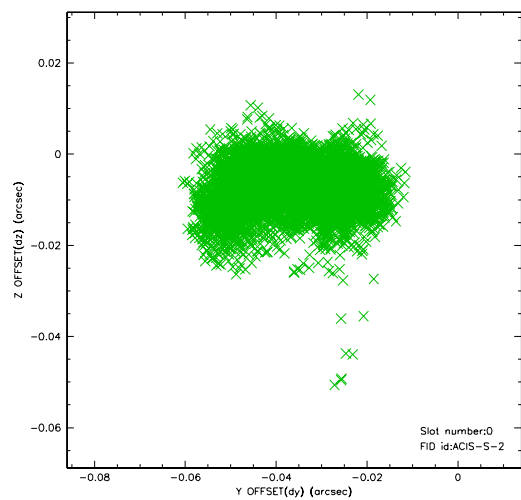


## 2.4.5 Slot 7

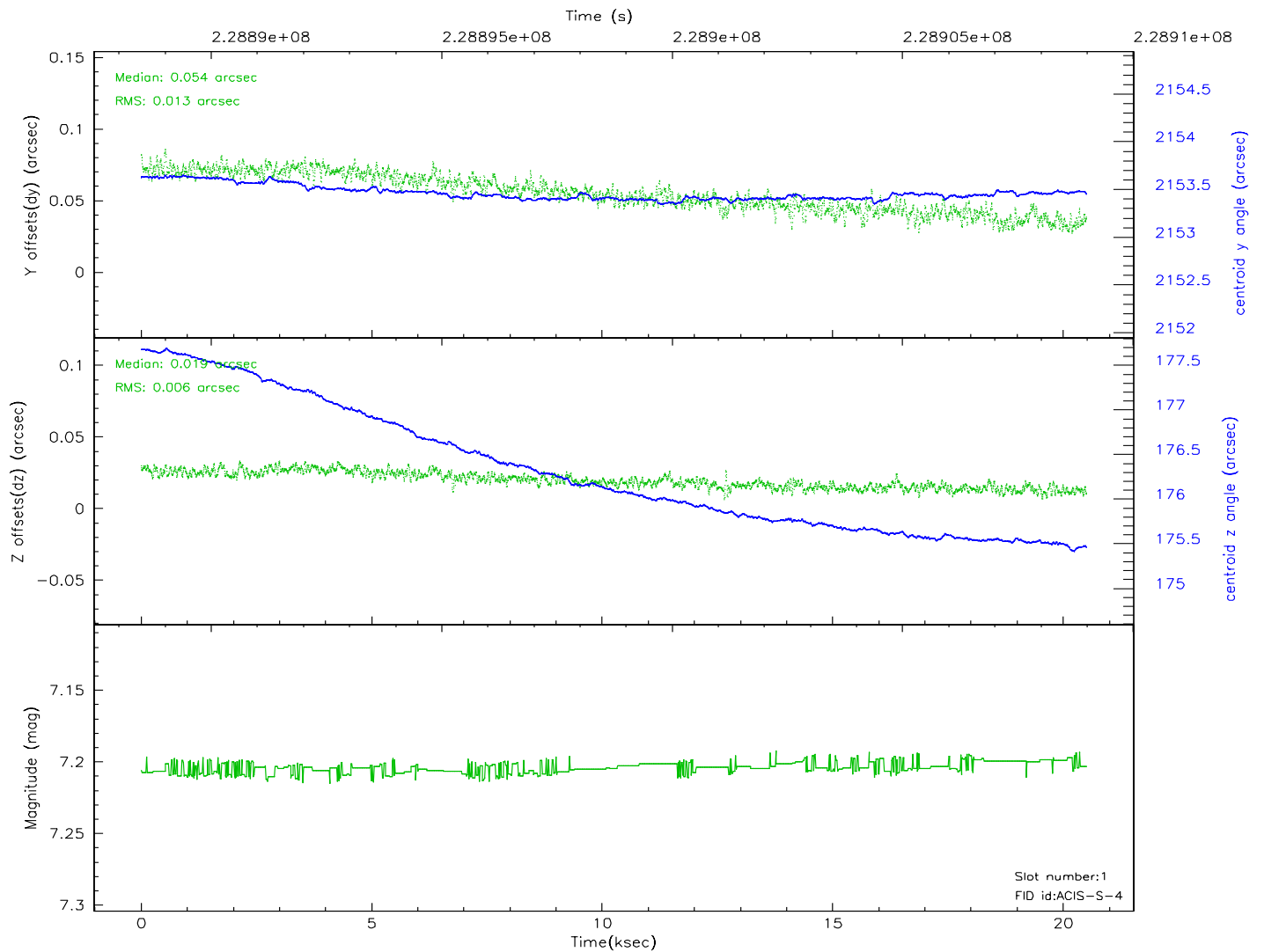
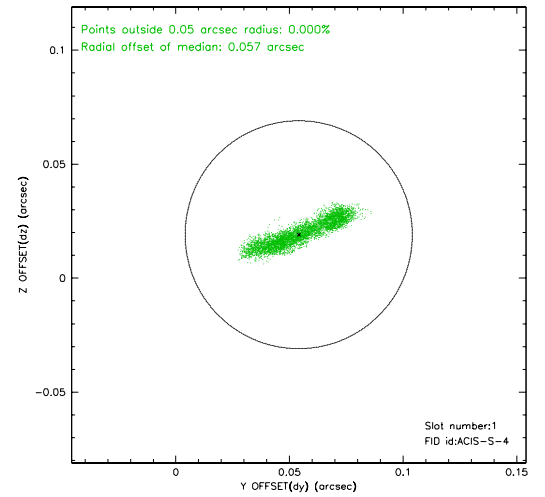
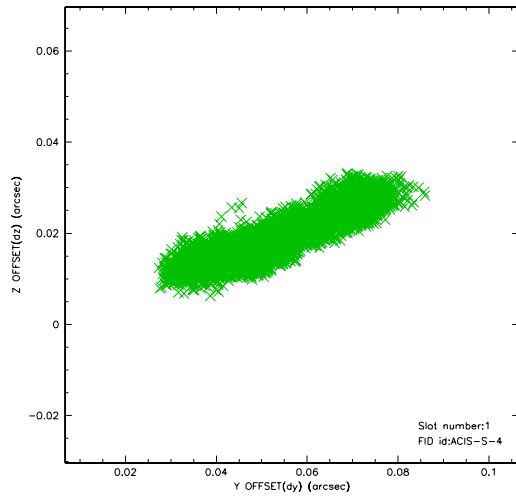


## 2.5 FID Slots

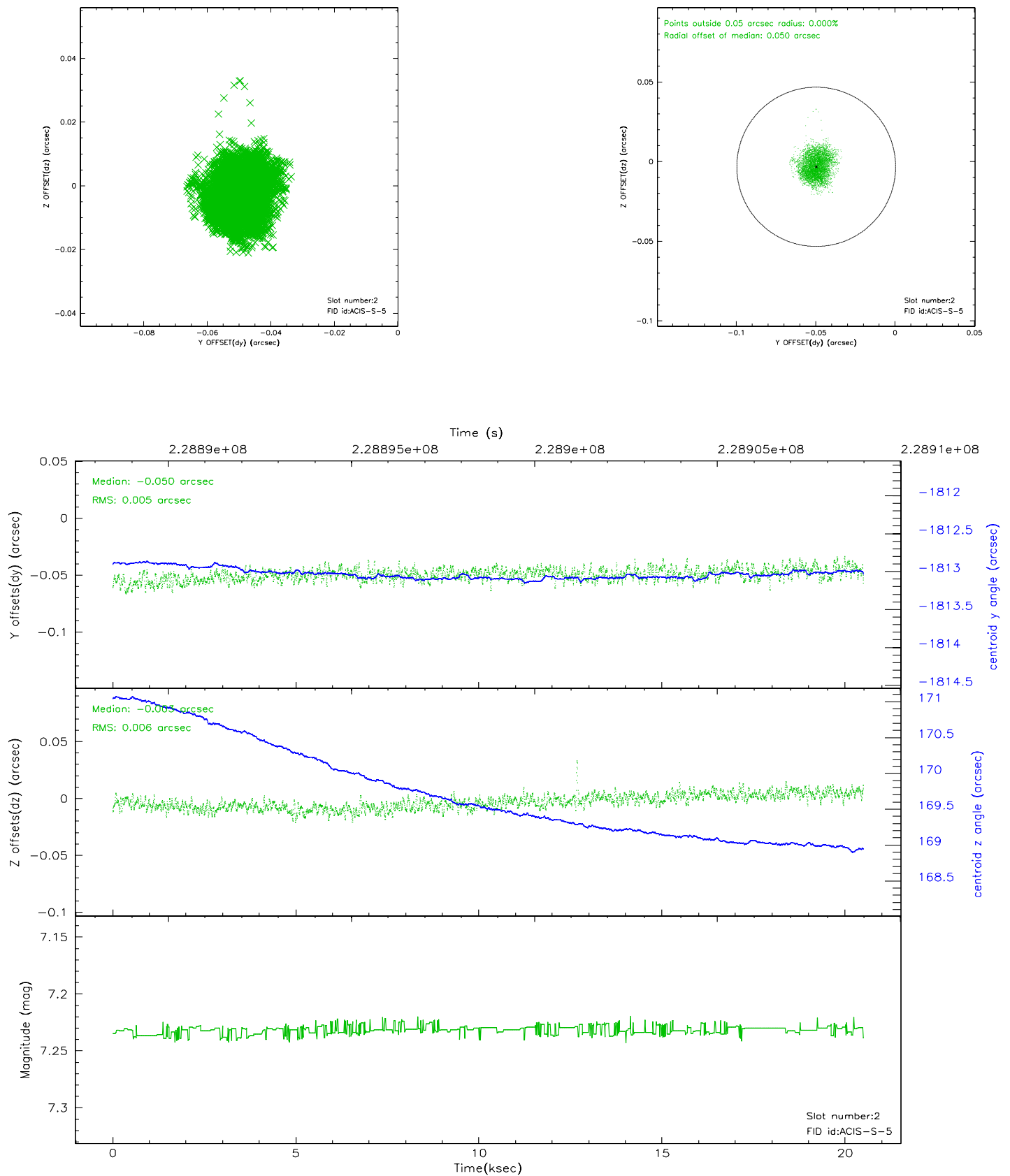
### 2.5.1 Slot 0



## 2.5.2 Slot 1

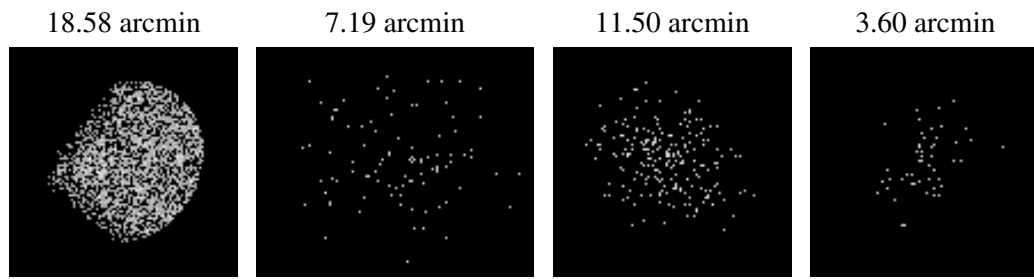


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.49919

### A.2 Comments