

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5448 - L2 Version 002  
Chandra X-Ray Center

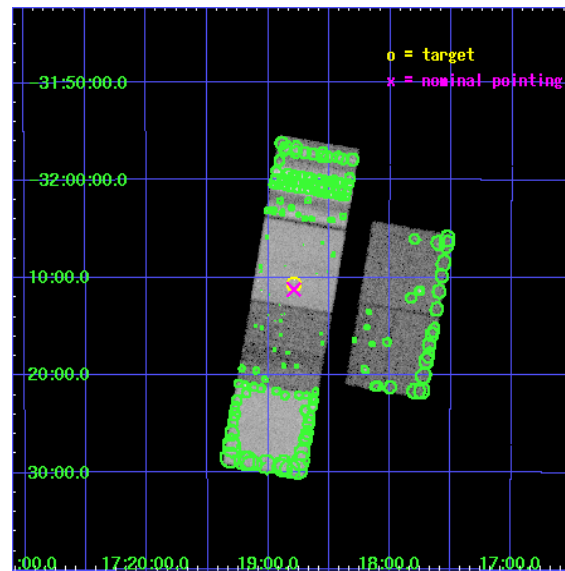
L2 Processing Date : Mar 14 2006

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# 1 Front

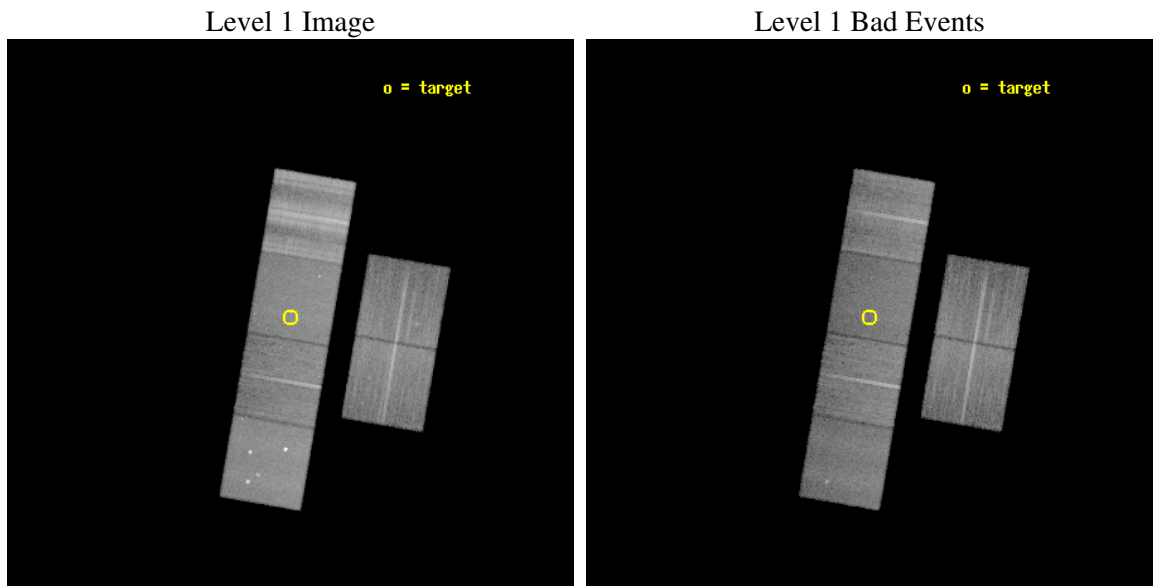
seq_num	400378
obs_id	5448
title	Faint quiescent neutron star soft X-ray transients
observer	Dr Peter Jonker
object	1H 1715-321
dtcycle	0
cycle	P
ra_targ	259.6975
dec_targ	-32.177778
ra_nom	259.69742103935
dec_nom	-32.187447976674
roll_nom	279.7414732648
revision	2
ontime	20179.199924827
livetime	19923.678744923
ontime2	20179.199924827
ontime3	20179.199924827
ontime5	20179.199924827
ontime6	20175.958924621
ontime7	20179.199924827
ontime8	20169.476964146
l2events	330524



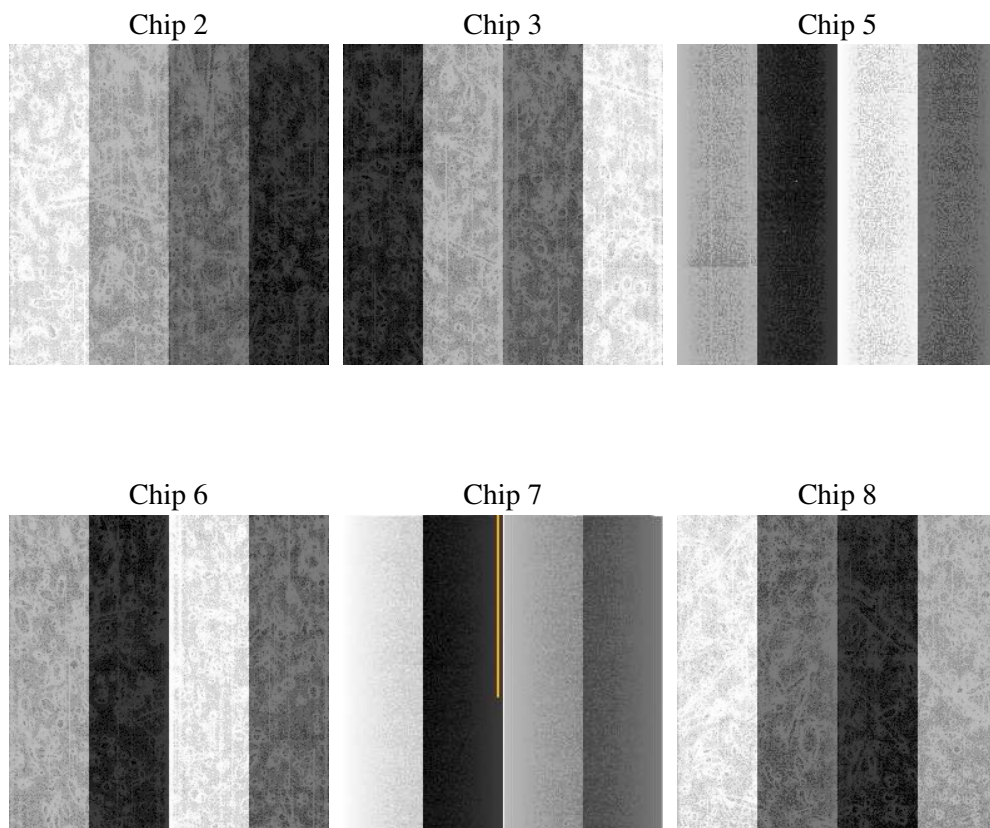
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-14T19:29:14
revision	2

sched_exp_time	20000.000000
ontime	20411.87530461
ontime2	20411.875294715
ontime3	20411.875294715
ontime5	20411.87530461
ontime6	20408.63429451
ontime7	20411.87530461
ontime8	20402.152334034
l1events	1361075

### 2.1.4 Events

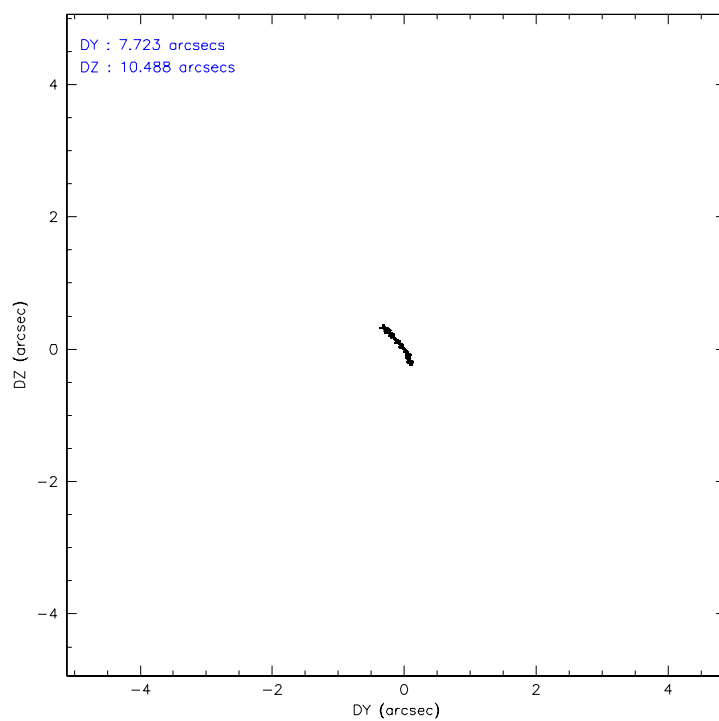
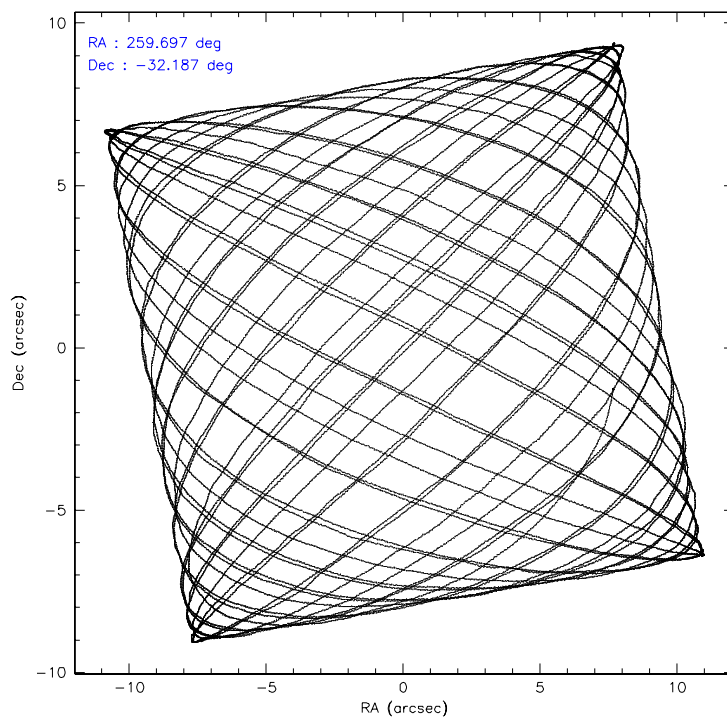
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	190888	174436	246589	191936	217198	340028
rejected events	162474	149370	134192	163954	131722	185993
rejected %	85%	85%	54%	85%	60%	54%

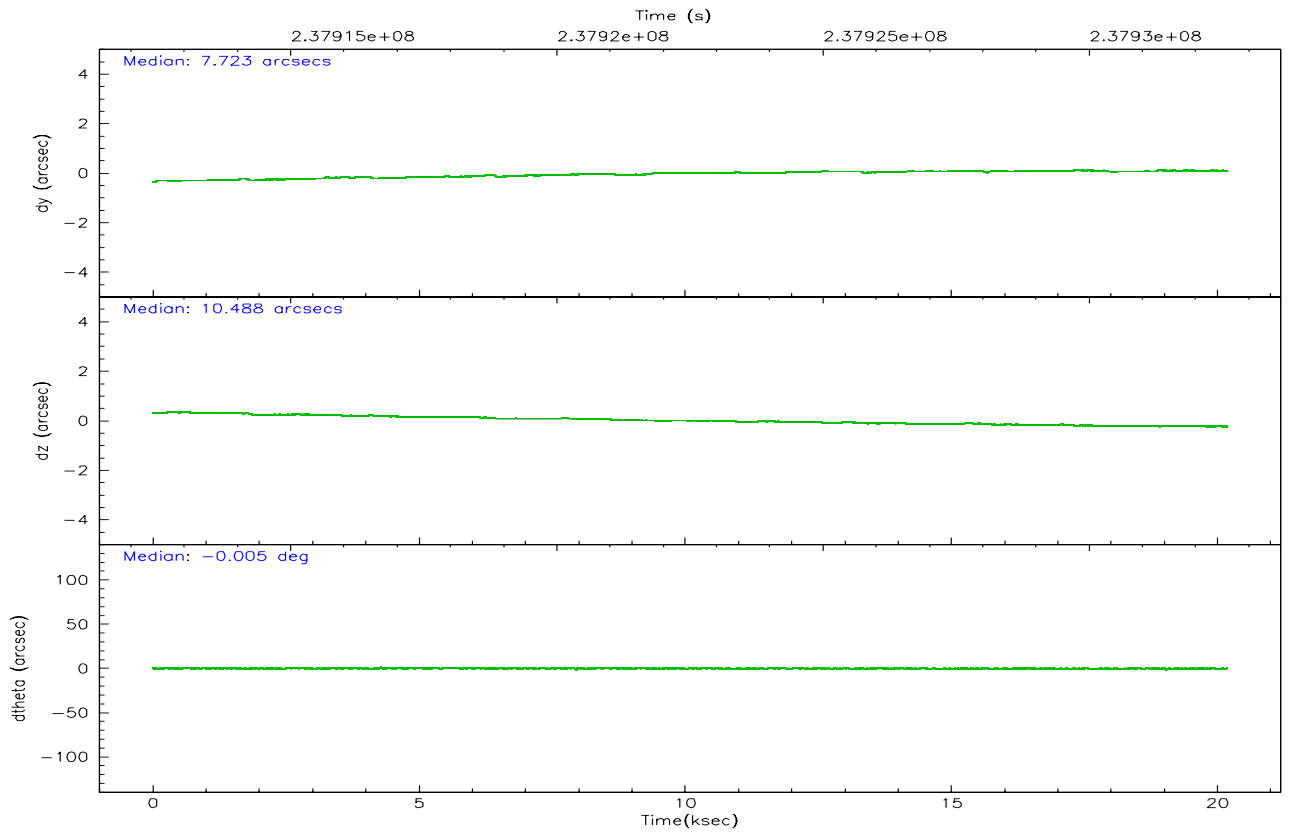
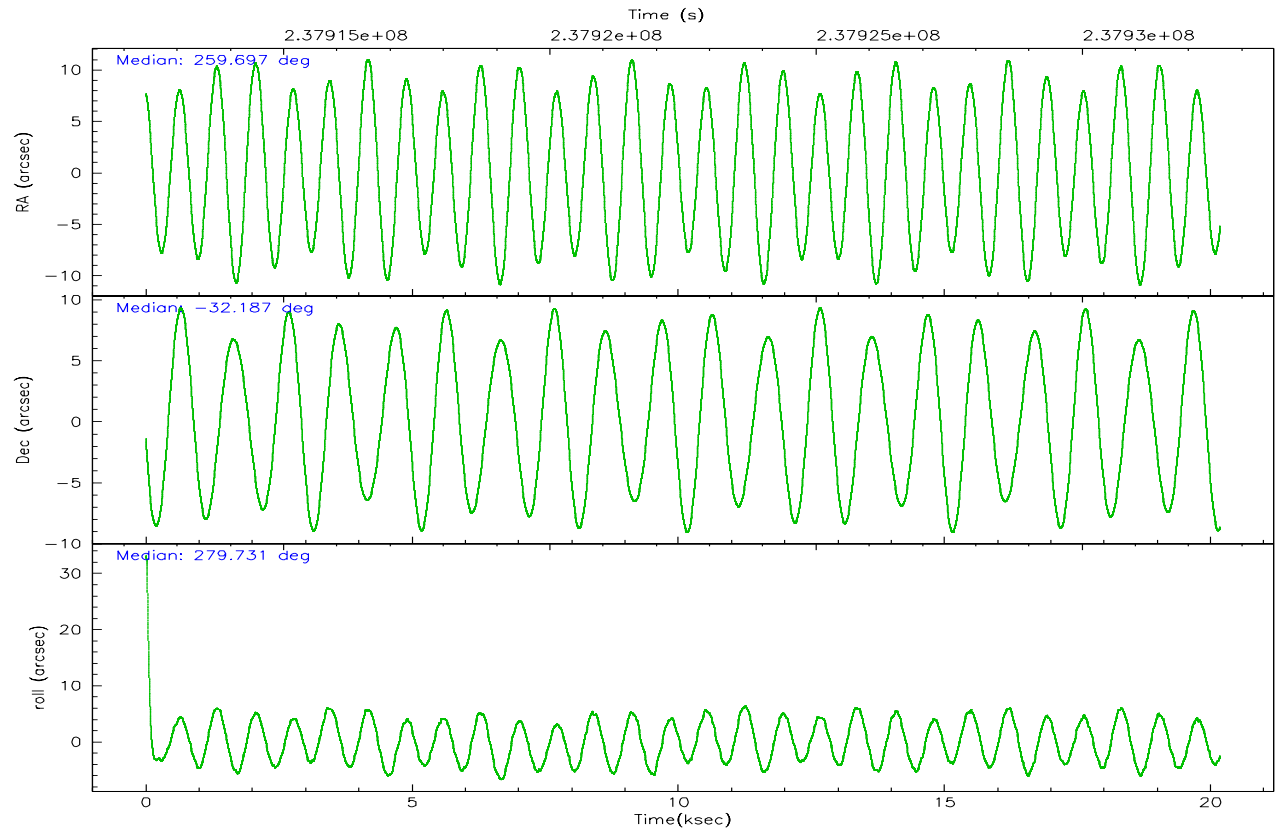
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	13231	11151	14483	12444	5722	46001
	6%	6%	5%	6%	2%	13%
grade 1 events	117	101	289	96	183	389
	0%	0%	0%	0%	0%	0%
grade 2 events	6962	5925	34710	7176	22459	25667
	3%	3%	14%	3%	10%	7%
grade 3 events	1850	1863	3045	1984	4560	24526
	0%	1%	1%	1%	2%	7%
grade 4 events	2212	1815	3120	1856	4497	21699
	1%	1%	1%	0%	2%	6%
grade 5 events	5916	6507	10966	6919	13544	10684
	3%	3%	4%	3%	6%	3%
grade 6 events	4433	4549	58349	4776	49197	37500
	2%	2%	23%	2%	22%	11%
grade 7 events	156167	142525	121627	156685	117036	173562
	81%	81%	49%	81%	53%	51%

## 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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	259.676526	259.6974210393531	Alternating exposures requested	N	N
Pointing Dec	-32.166742	-32.18744797667414	Primary exposure time	0.000000	3.2
Pointing Roll	279.573722	279.7414732647994			
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	237912599.184000	237911412.47114			
Observation start date	2005-07-16T14:48:55	2005-07-16T14:30:12			
Observation end time	237932599.184000	237932992.30963			
Observation end date	2005-07-16T20:22:15	2005-07-16T20:29:52			
Read mode	TIMED	TIMED			

## 2.3 Aspect





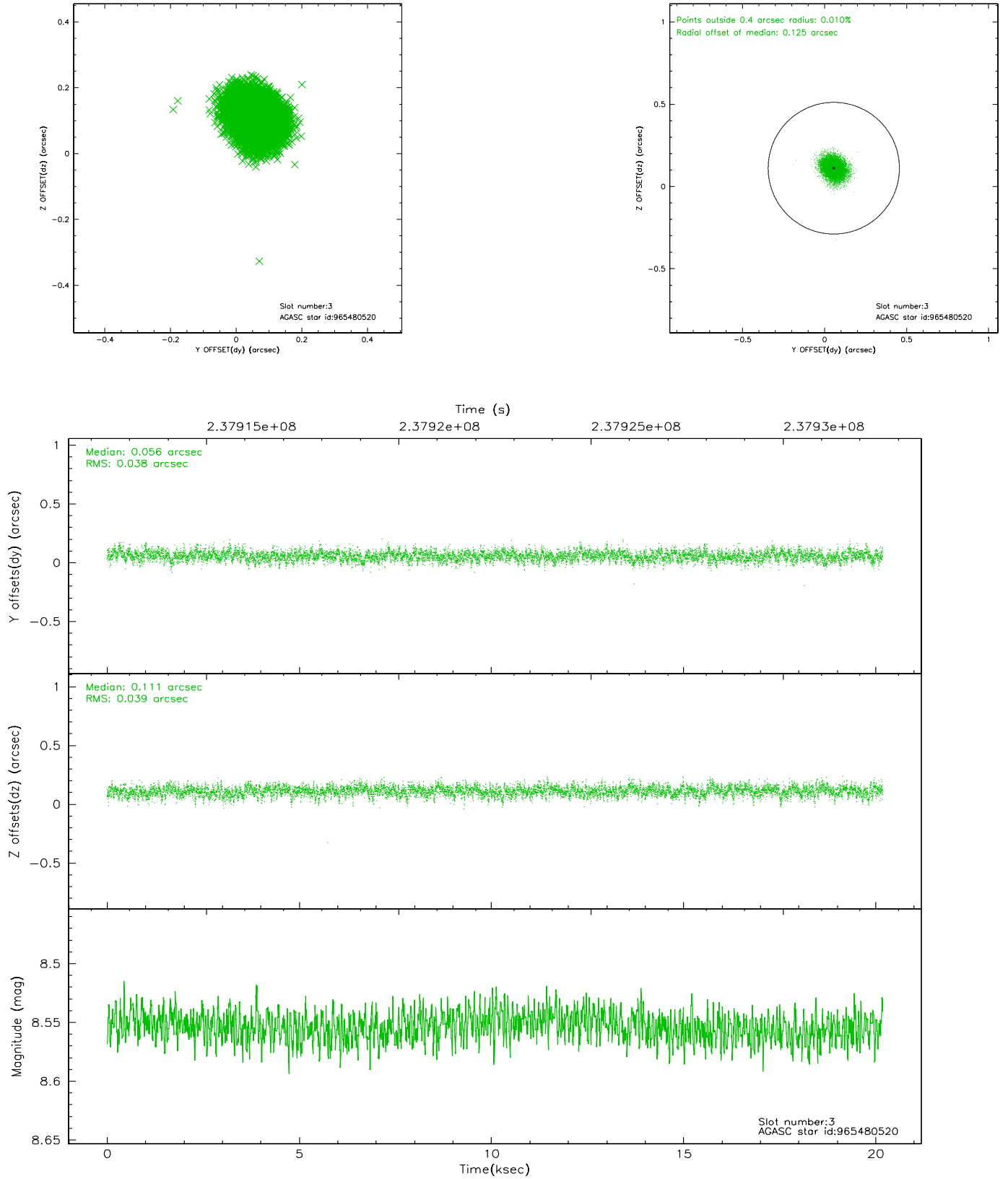
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4922	-0.033	0.007	0.008	0.014	0.000000	0.000000	-760.43	-1731.78
1	FID	ACIS-S-4	7.21	4923	0.061	0.014	0.009	0.018	0.000000	0.000000	2152.80	176.59
2	FID	ACIS-S-5	7.23	4923	-0.059	-0.013	0.008	0.015	0.000000	0.000000	-1813.11	170.34
3	GUIDE	965480520	8.55	9844	0.056	0.111	0.058	0.095	259.583195	-32.326000	518.63	-374.93
4	GUIDE	965481552	8.21	9838	-0.026	-0.006	0.059	0.094	259.329983	-32.065880	-531.08	-981.90
5	GUIDE	965482744	8.23	9845	-0.032	-0.083	0.084	0.125	259.140806	-32.338645	343.72	-1710.29
6	GUIDE	964956776	7.97	9846	0.066	-0.026	0.077	0.125	260.357236	-31.581931	-1722.46	2407.37
7	GUIDE	965478696	8.22	9836	-0.061	0.006	0.065	0.103	260.391489	-32.105329	151.39	2185.92

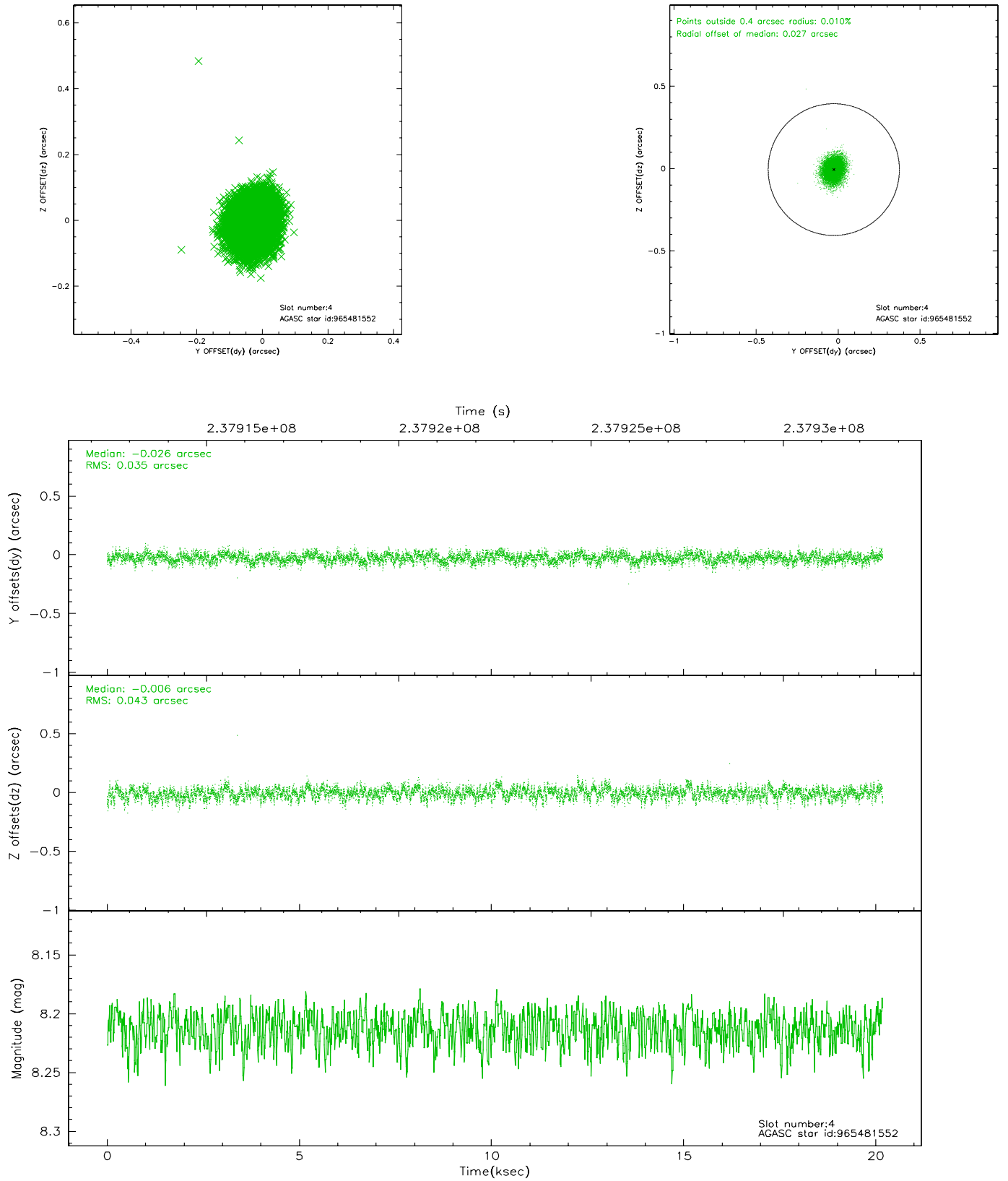


## 2.4 Star Slots

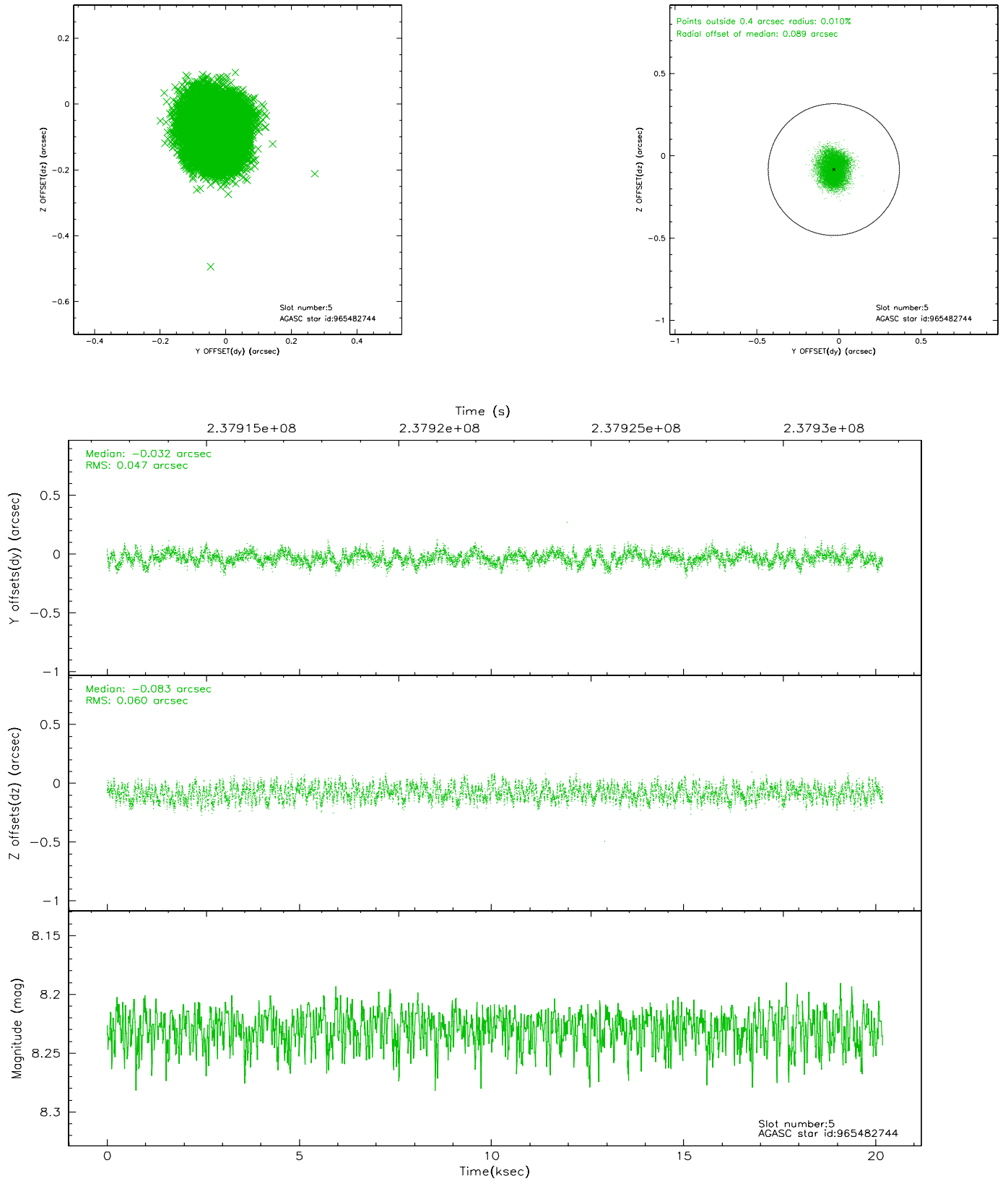
### 2.4.1 Slot 3



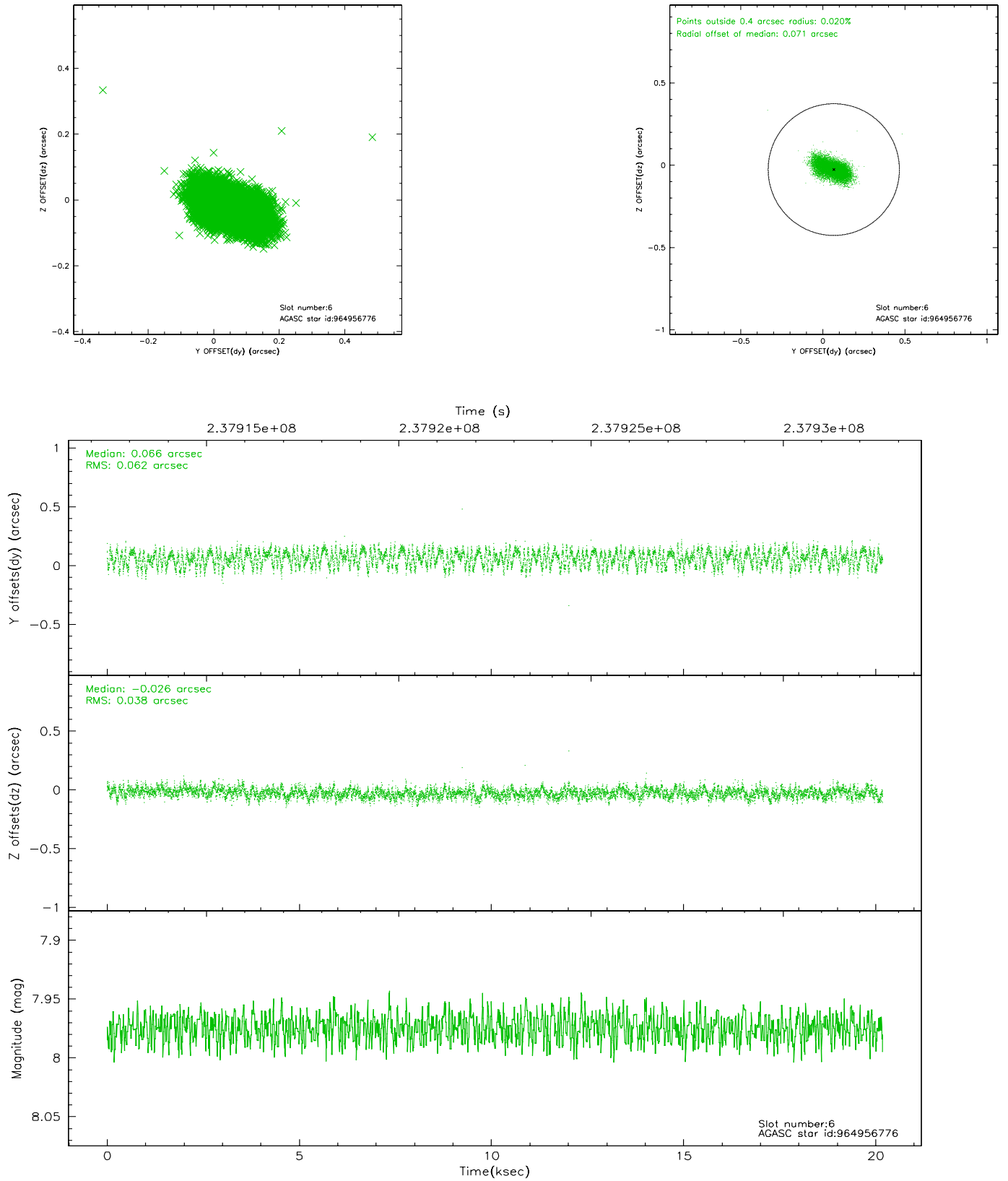
## 2.4.2 Slot 4



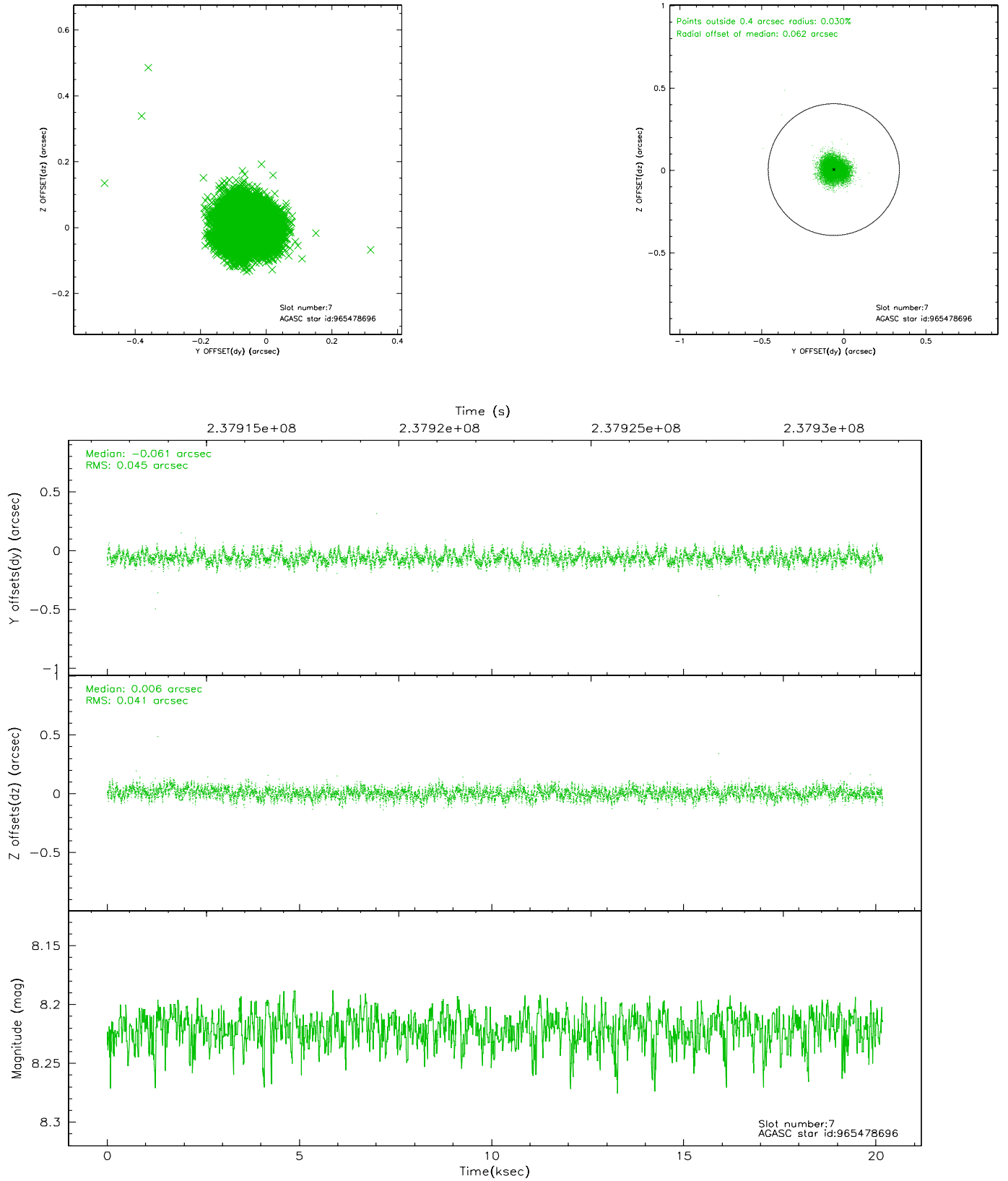
### 2.4.3 Slot 5



## 2.4.4 Slot 6

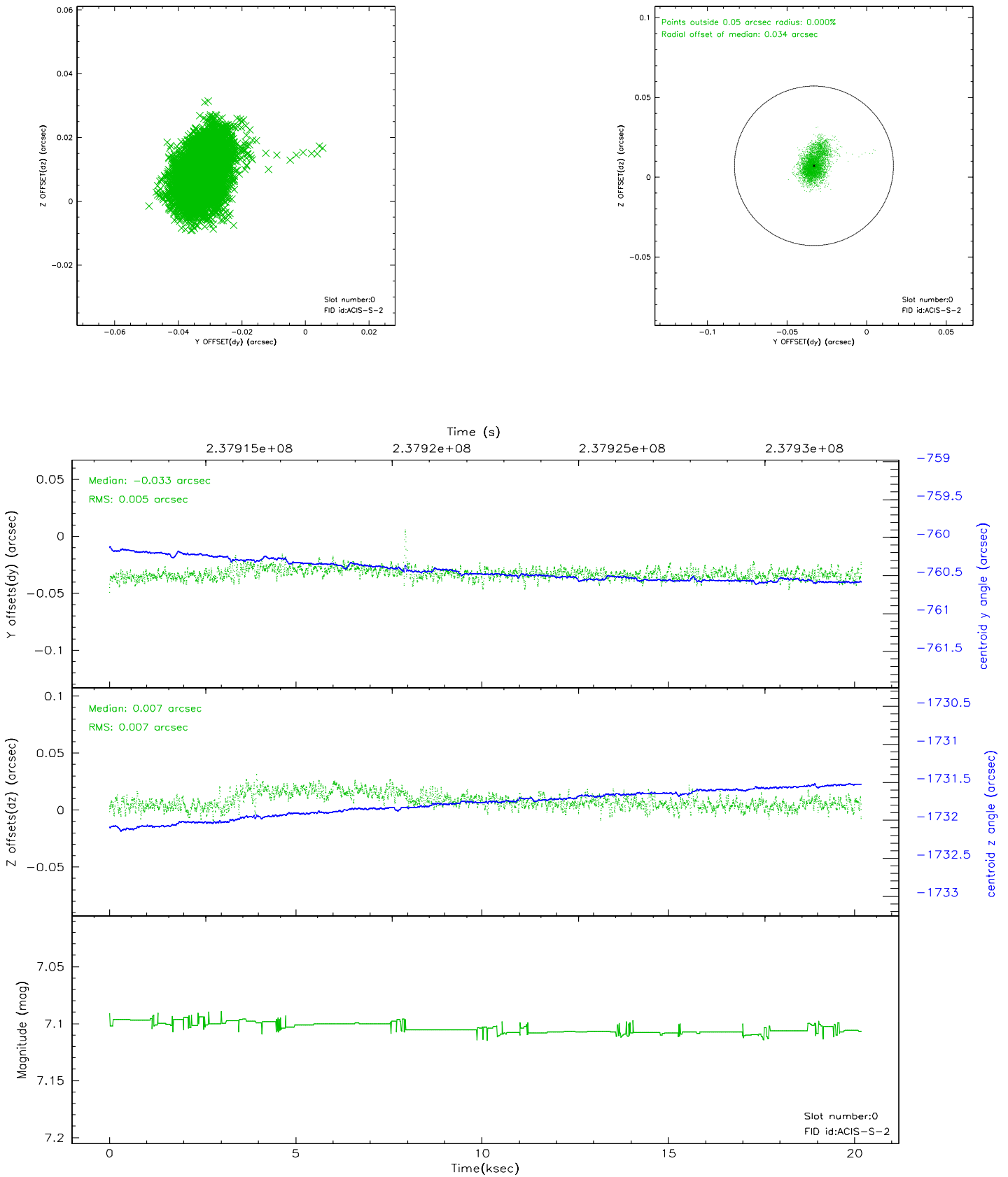


## 2.4.5 Slot 7

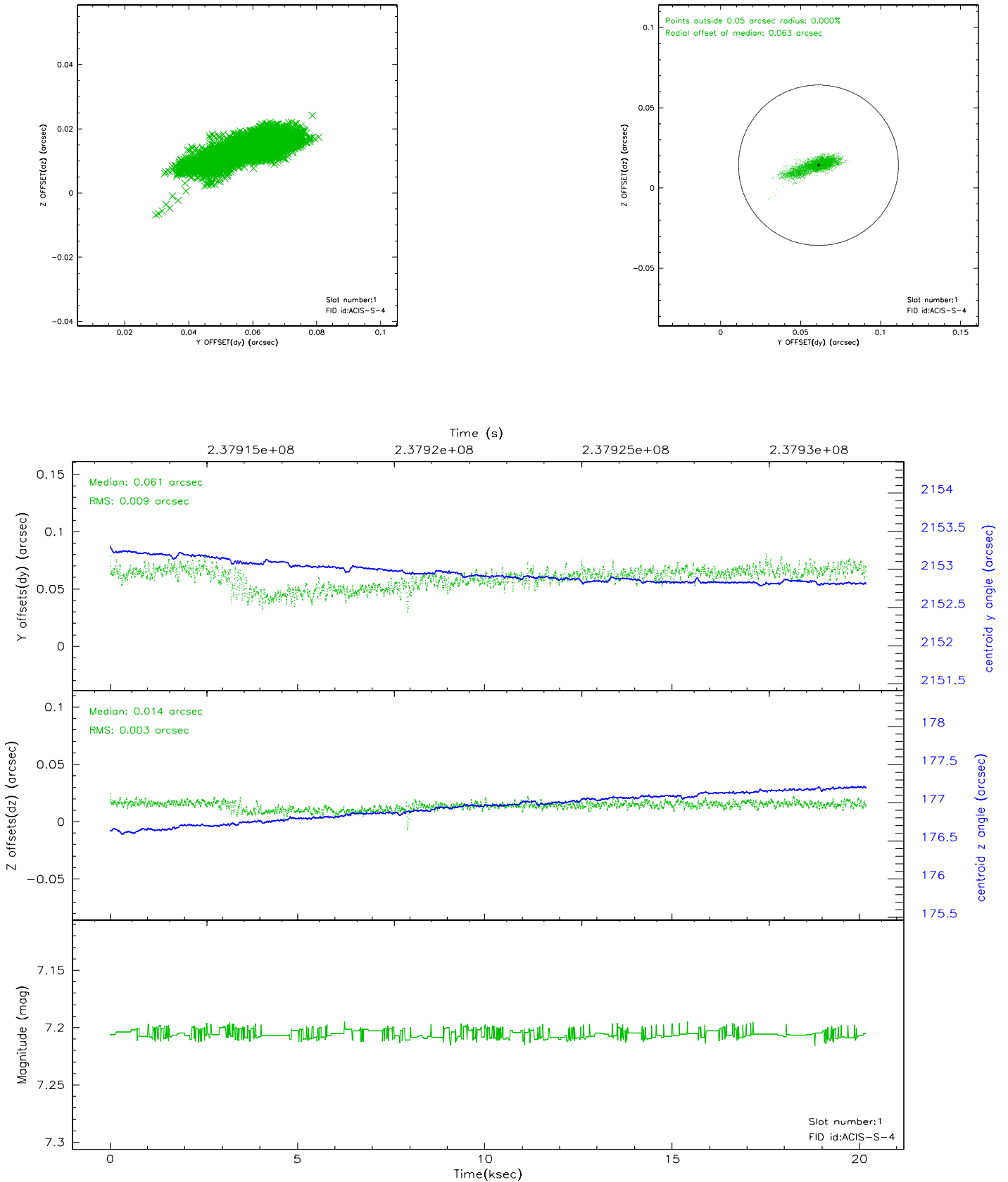


## 2.5 FID Slots

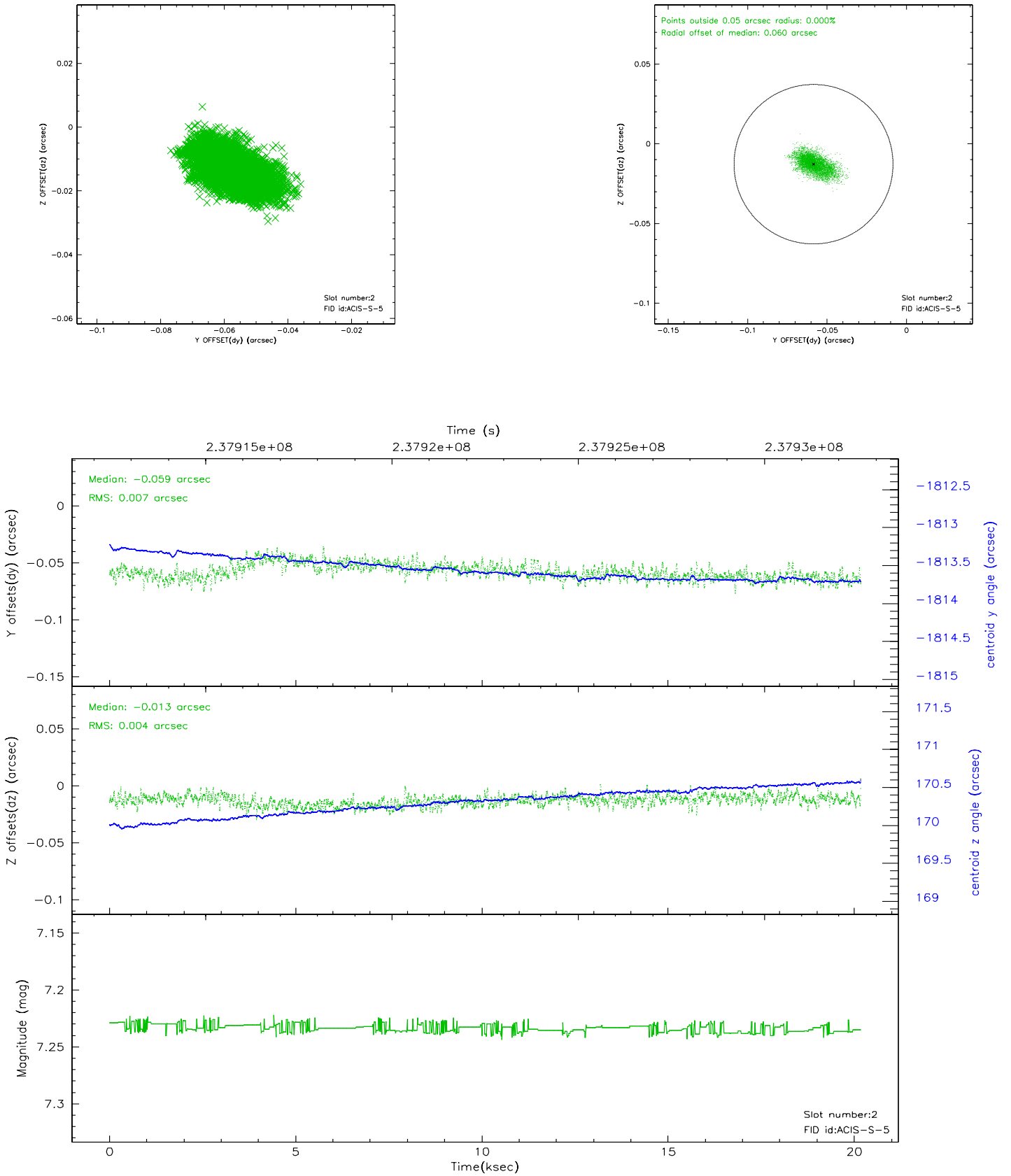
### 2.5.1 Slot 0



## 2.5.2 Slot 1

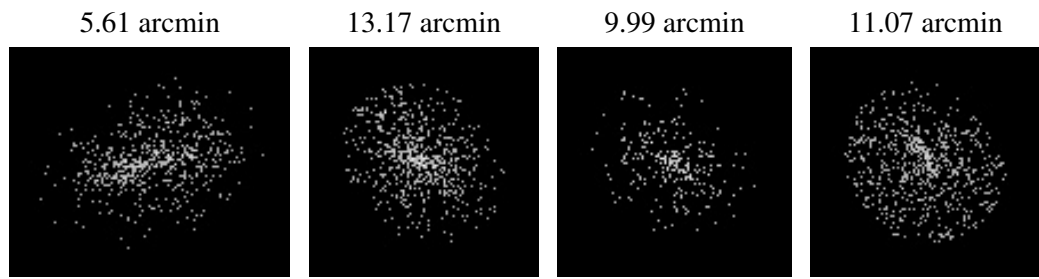


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.17919

### A.2 Comments