

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 4404 - L2 Version 001  
Chandra X-Ray Center

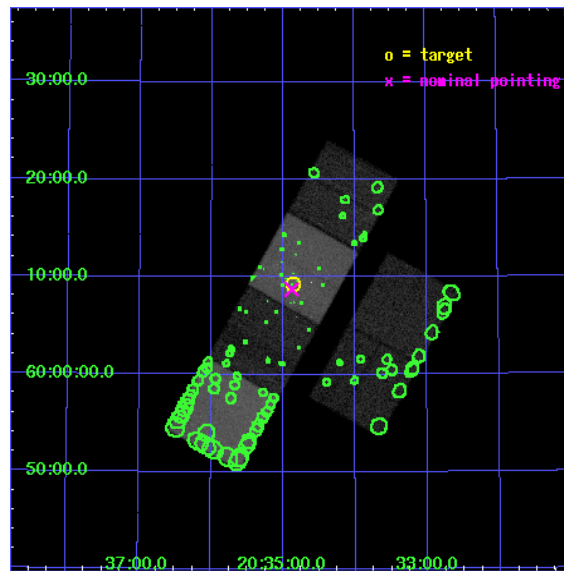
L2 Processing Date : Oct 13 2006

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# 1 Front

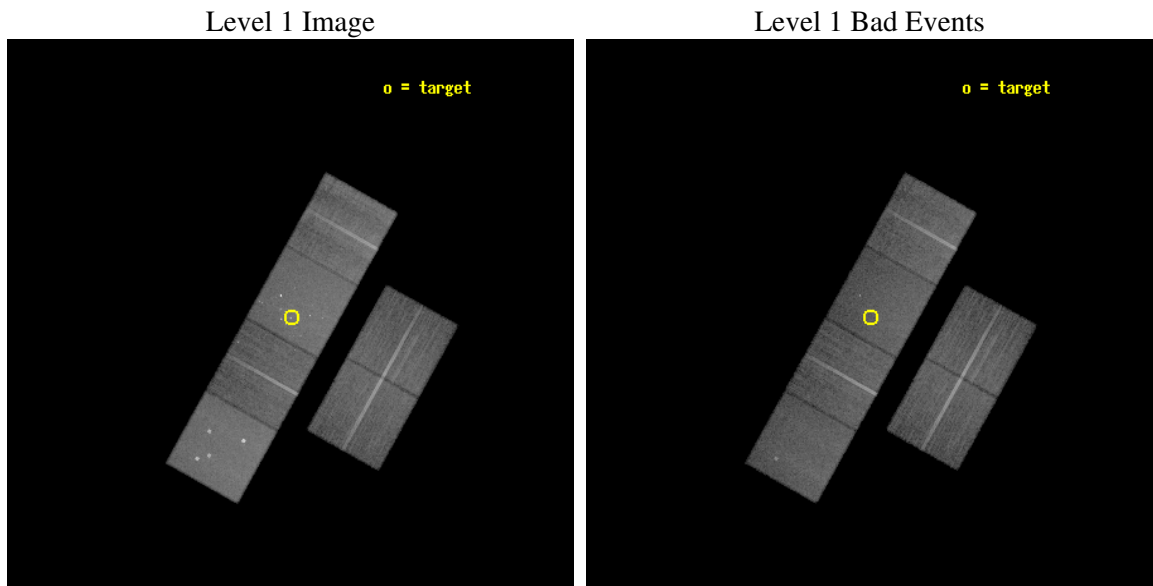
seq_num	500406
obs_id	4404
title	PROMPT CHANDRA OBSERVATION OF THE TYPE II SN 2002HH
observer	Prof. Walter Lewin
object	SN 2002HH
dtcycle	0
cycle	P
ra_targ	308.713333
dec_targ	60.154861
ra_nom	308.71966563772
dec_nom	60.14572988744
roll_nom	299.180576579
revision	2
ontime	30335.99988699
livetime	29951.867190274
ontime2	30335.99988699
ontime3	30329.517966509
ontime5	30335.99988699
ontime6	30335.99988699
ontime7	30335.99988699
ontime8	30332.759016395
l2events	305938



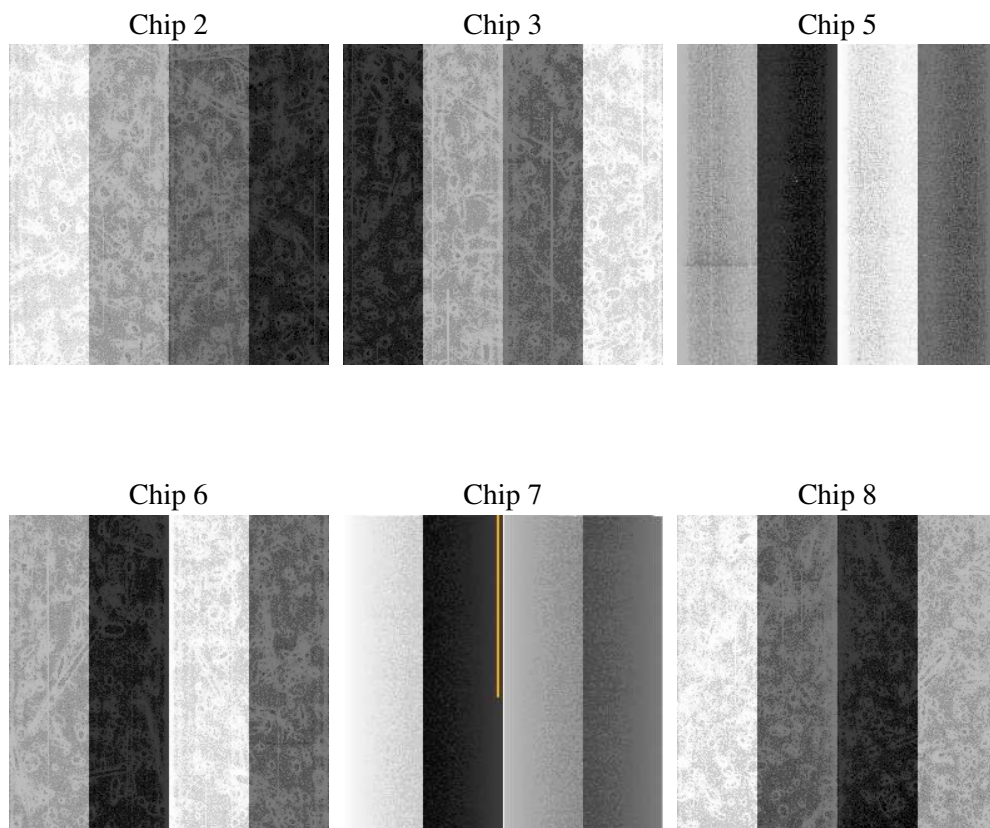
## 2 OBI

### 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	2006-10-13T12:39:45
revision	2

sched_exp_time	30200.000000
ontime	30857.569465399
ontime2	30857.569465399
ontime3	30851.087544918
ontime5	30857.569465399
ontime6	30857.569465399
ontime7	30857.569465399
ontime8	30854.328594804
l1events	1381539

### 2.1.4 Events

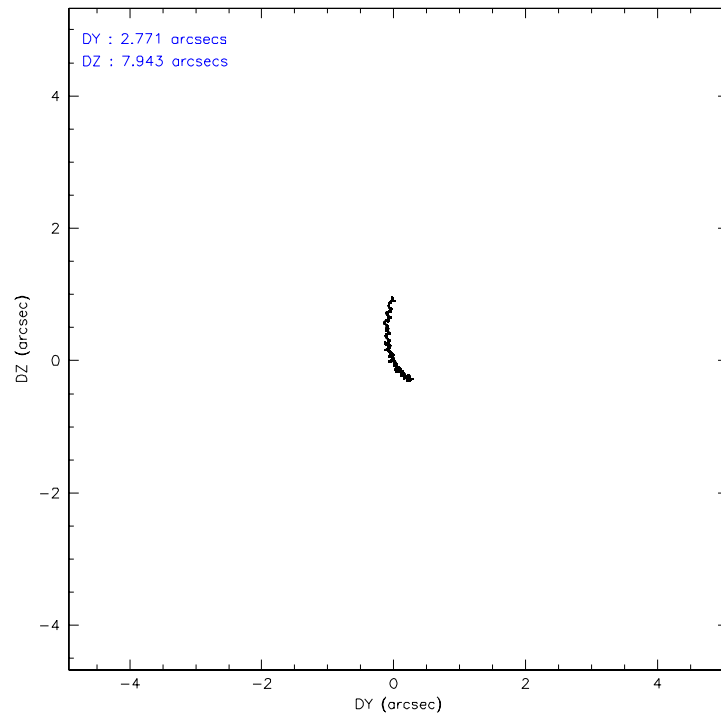
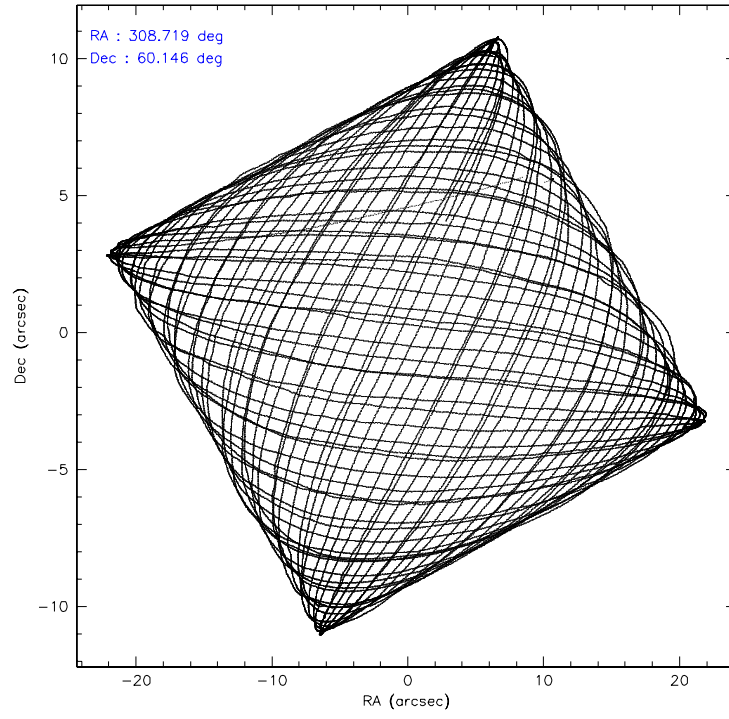
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	195157	189707	286469	193856	266854	249496
rejected events	171488	166746	158563	169047	158124	189702
rejected %	87%	87%	55%	87%	59%	76%

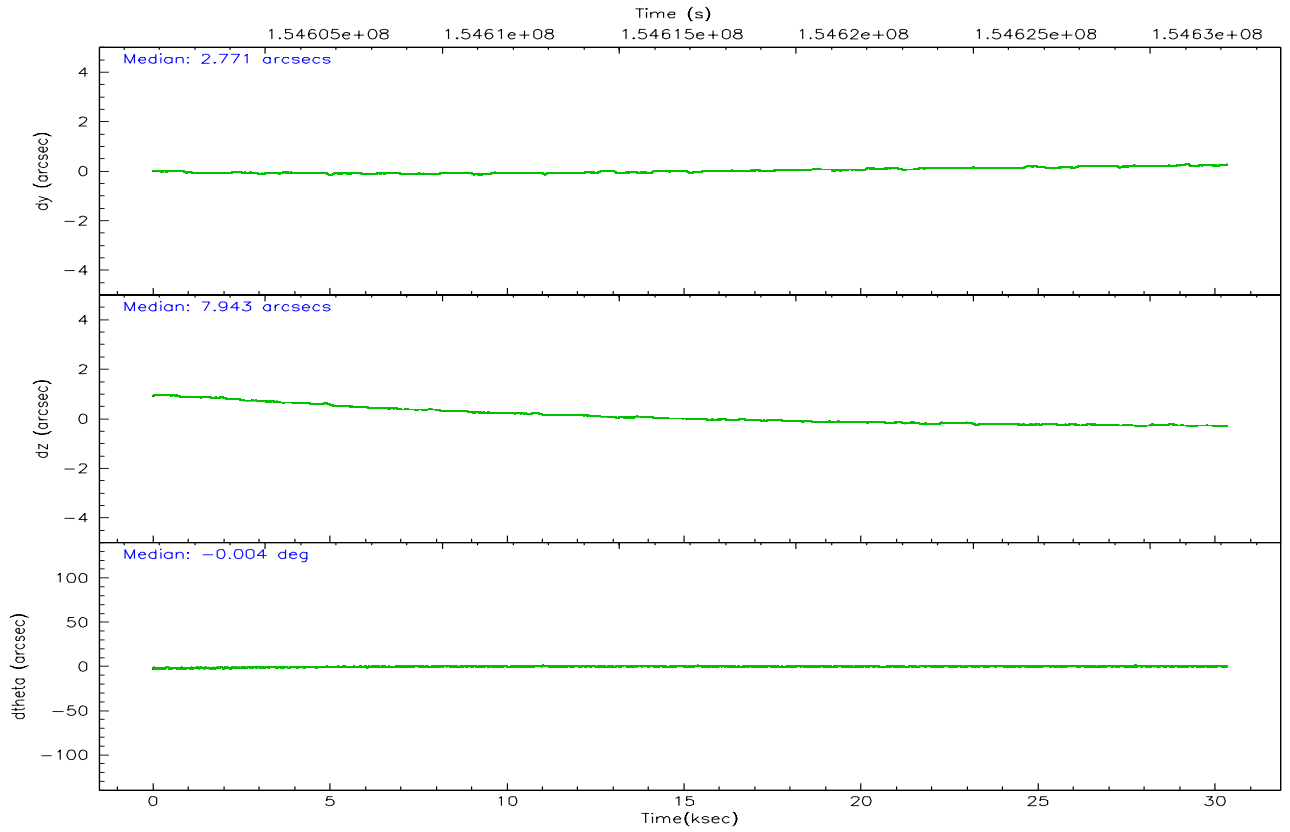
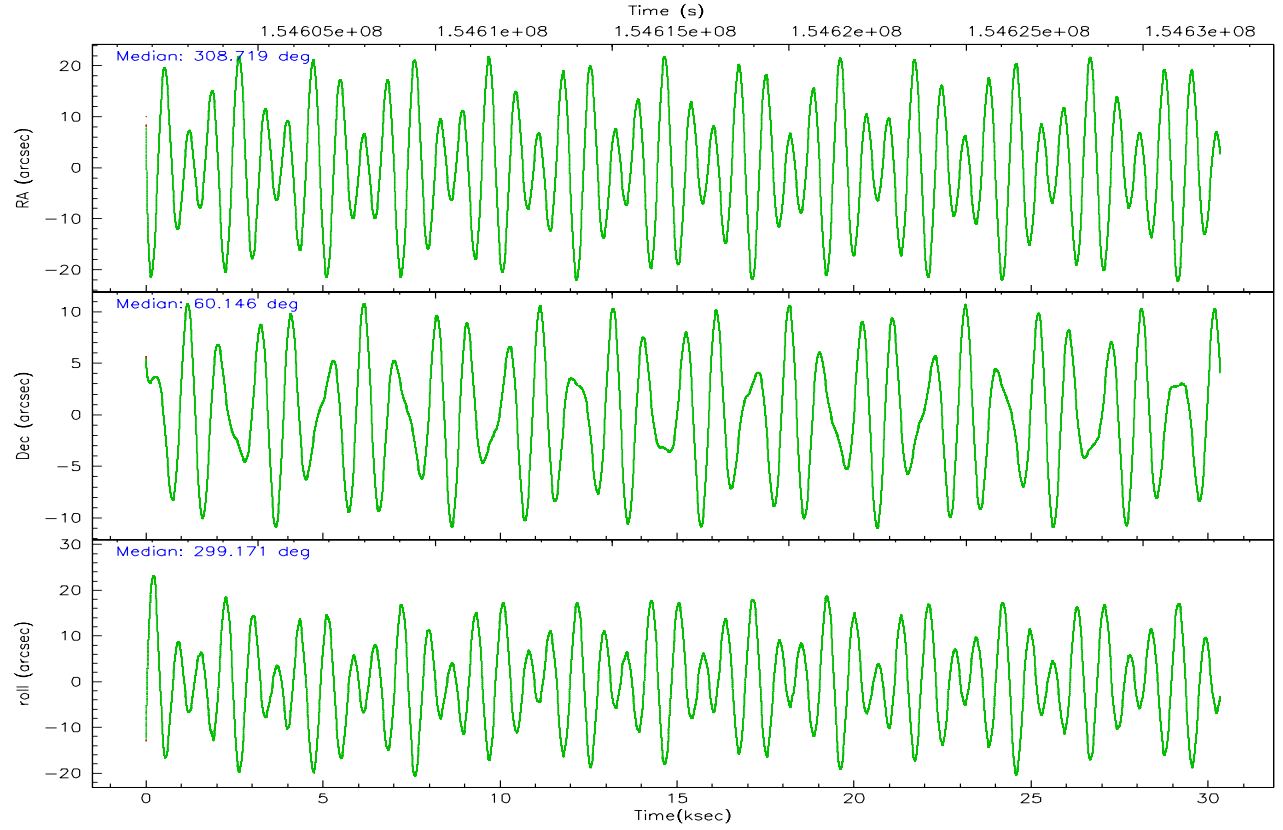
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	10816	10021	15175	10537	9344	20245
	5%	5%	5%	5%	3%	8%
grade 1 events	127	118	258	82	202	207
	0%	0%	0%	0%	0%	0%
grade 2 events	4822	4751	38959	5477	27681	11937
	2%	2%	13%	2%	10%	4%
grade 3 events	2131	2201	3099	2201	6625	7375
	1%	1%	1%	1%	2%	2%
grade 4 events	2168	2178	2856	2243	6425	6803
	1%	1%	0%	1%	2%	2%
grade 5 events	7379	8166	13506	8621	17269	11132
	3%	4%	4%	4%	6%	4%
grade 6 events	4124	4193	70028	4773	60422	14302
	2%	2%	24%	2%	22%	5%
grade 7 events	163590	158079	142588	159922	138886	177495
	83%	83%	49%	82%	52%	71%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	308.672307	308.7196656377197	Subarray requested	NONE	NONE
Pointing Dec	60.159348	60.14572988744013	Alternating exposures requested	N	N
Pointing Roll	299.065023	299.1805765790005	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	154601970.184000	154600662.91018			
Observation start date	2002-11-25T08:58:26	2002-11-25T08:37:42			
Observation end time	154632170.184000	154632929.39903			
Observation end date	2002-11-25T17:21:46	2002-11-25T17:35:29			
Read mode	TIMED	TIMED			

## 2.3 Aspect





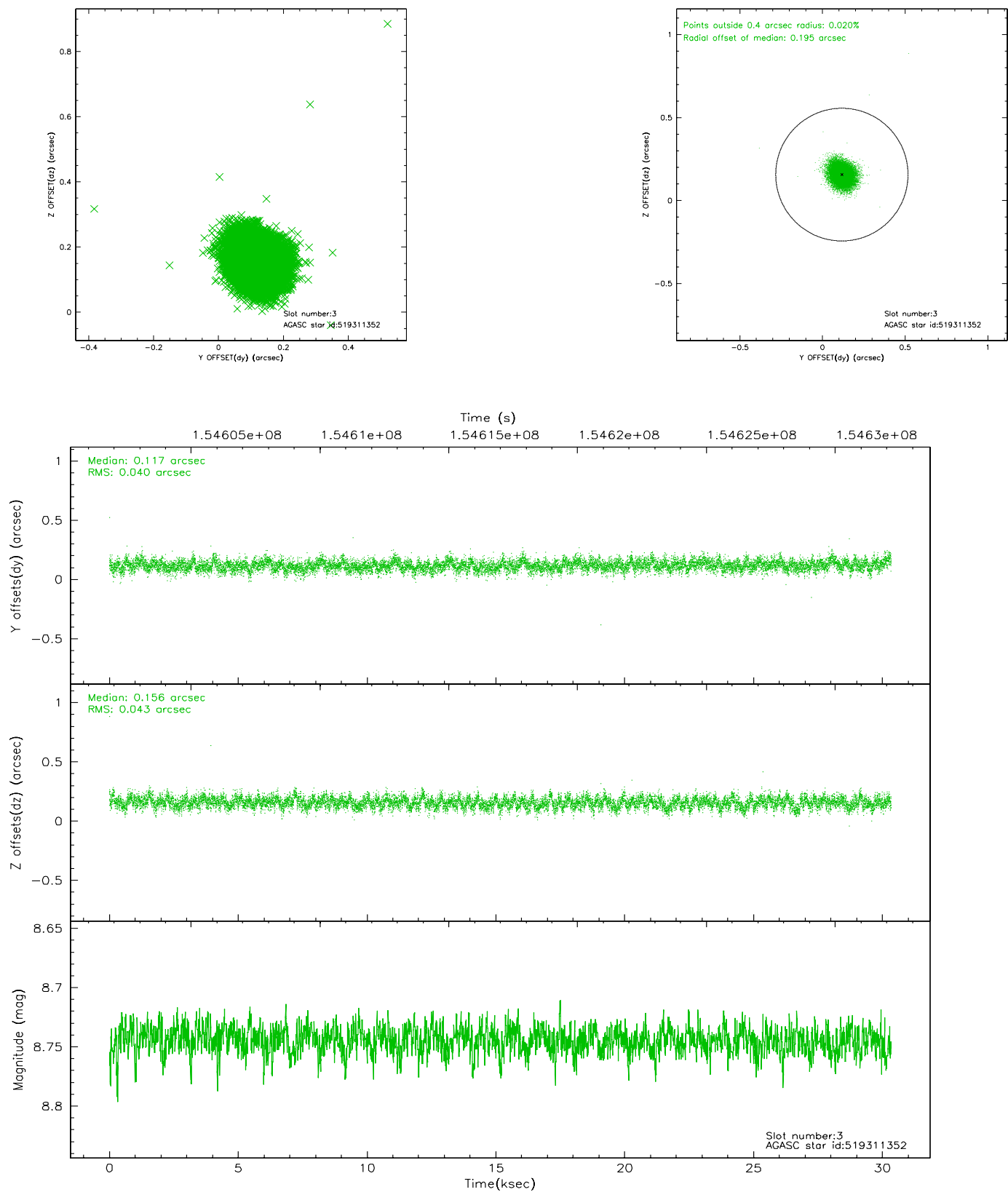
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	7401	0.033	0.010	0.019	0.045	0.000000	0.000000	940.59	-1724.84
1	FID	ACIS-S-4	7.20	7400	-0.067	-0.020	0.014	0.022	0.000000	0.000000	2157.97	179.19
2	FID	ACIS-S-5	7.24	7398	0.008	0.022	0.014	0.025	0.000000	0.000000	-1808.18	172.97
3	GUIDE	519311352	8.74	14794	0.117	0.156	0.062	0.100	309.050952	59.661888	1899.27	-266.38
4	GUIDE	519320296	9.09	14798	0.128	-0.138	0.078	0.130	308.366901	59.489372	1837.49	-1658.51
5	GUIDE	554839376	7.42	14802	-0.159	0.109	0.071	0.114	308.018563	60.422364	-1395.70	-552.61
6	GUIDE	554838576	9.31	14798	-0.096	-0.074	0.095	0.151	307.625324	60.310495	-1394.38	-1360.20
7	GUIDE	556537192	9.20	14794	0.004	-0.056	0.112	0.179	309.975880	60.344309	526.41	2364.35

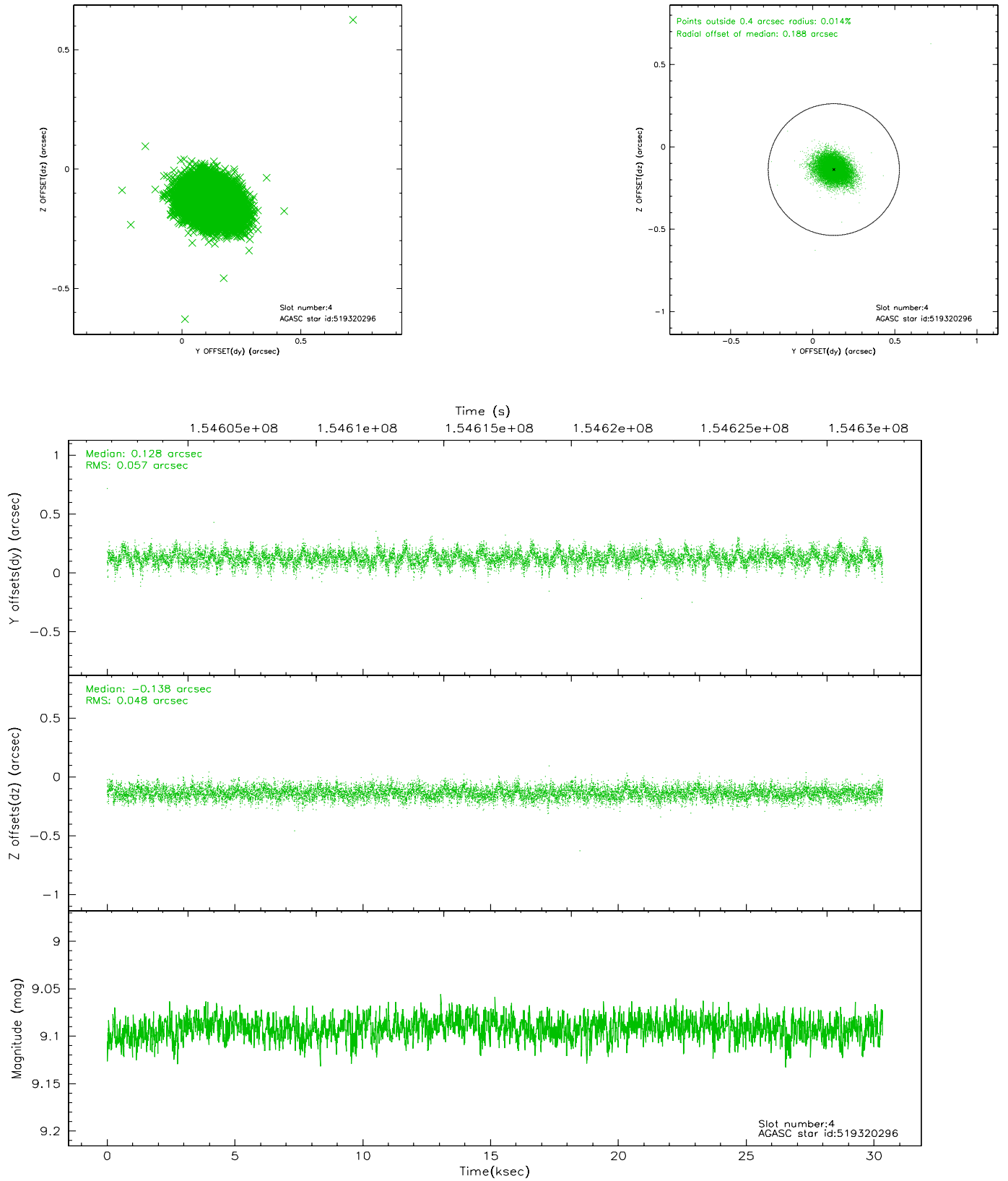


## 2.4 Star Slots

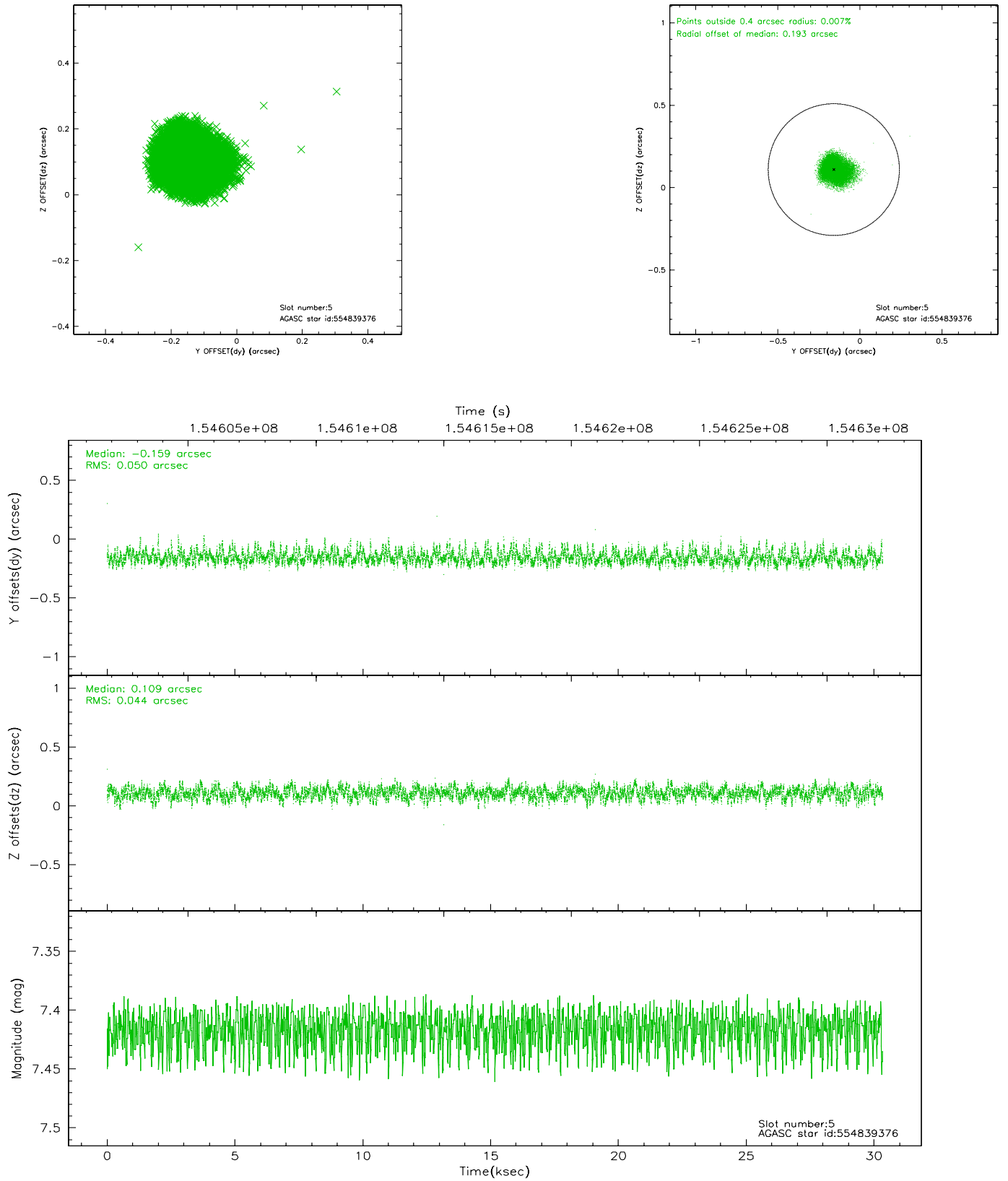
### 2.4.1 Slot 3



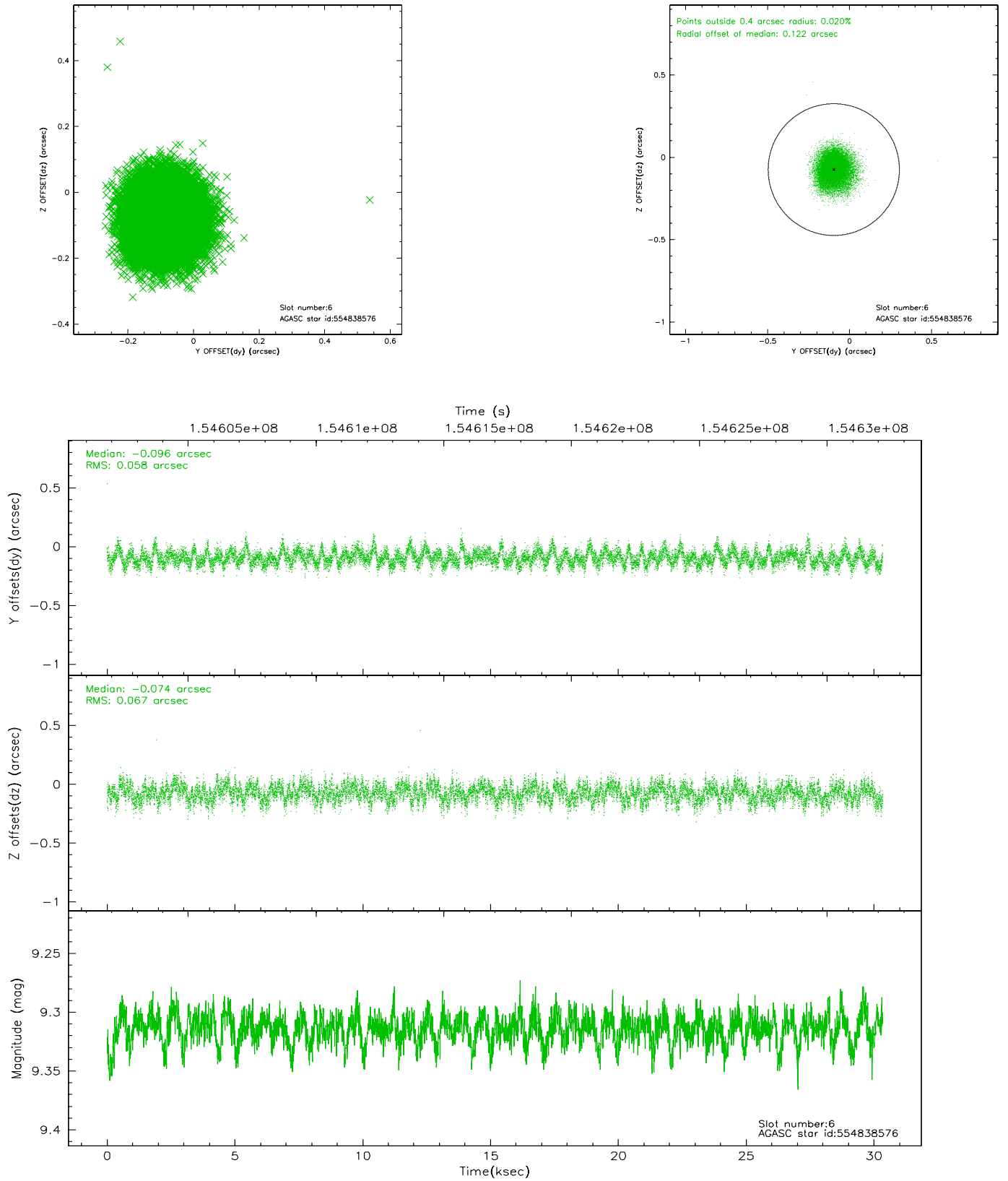
## 2.4.2 Slot 4



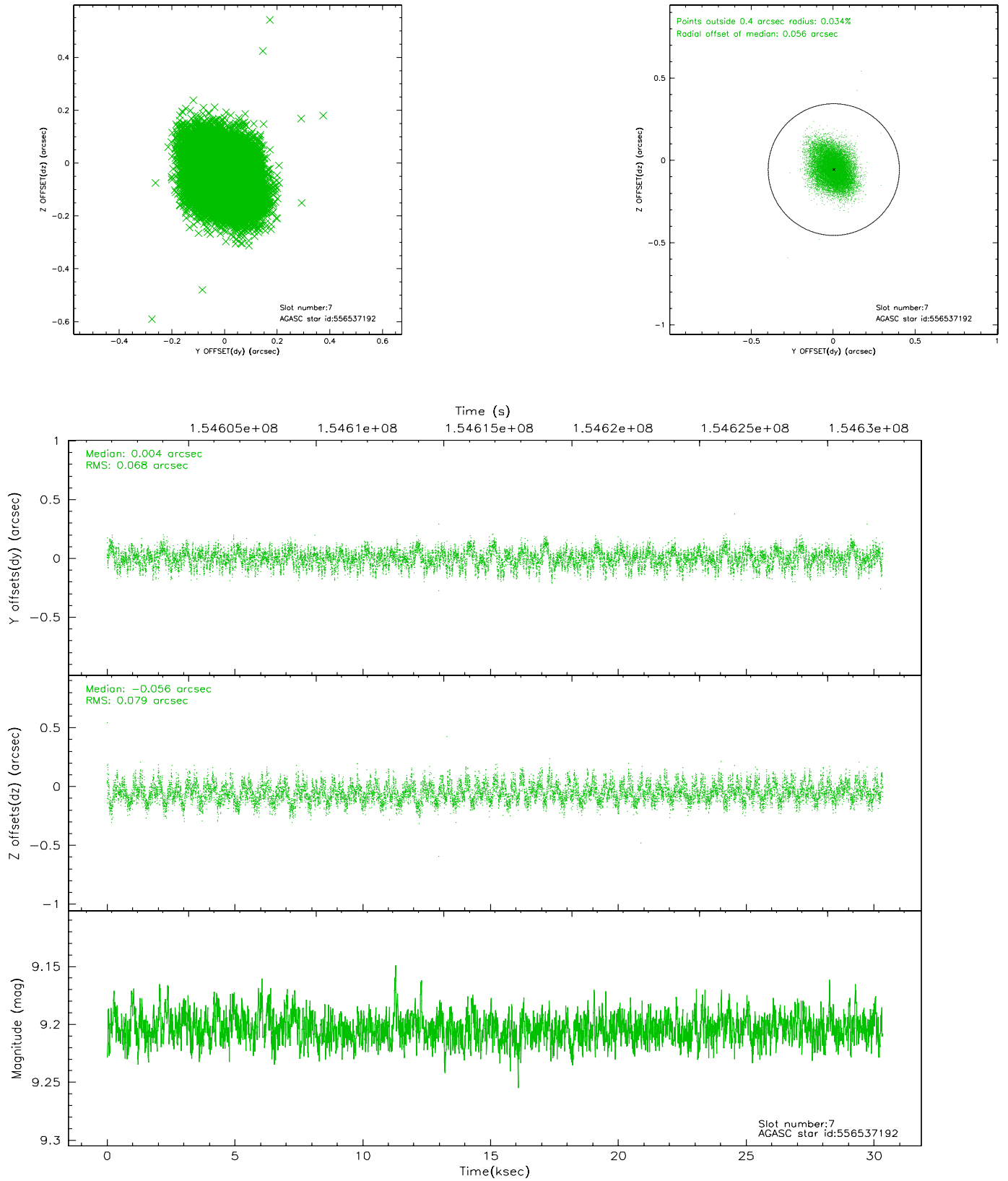
### 2.4.3 Slot 5



## 2.4.4 Slot 6

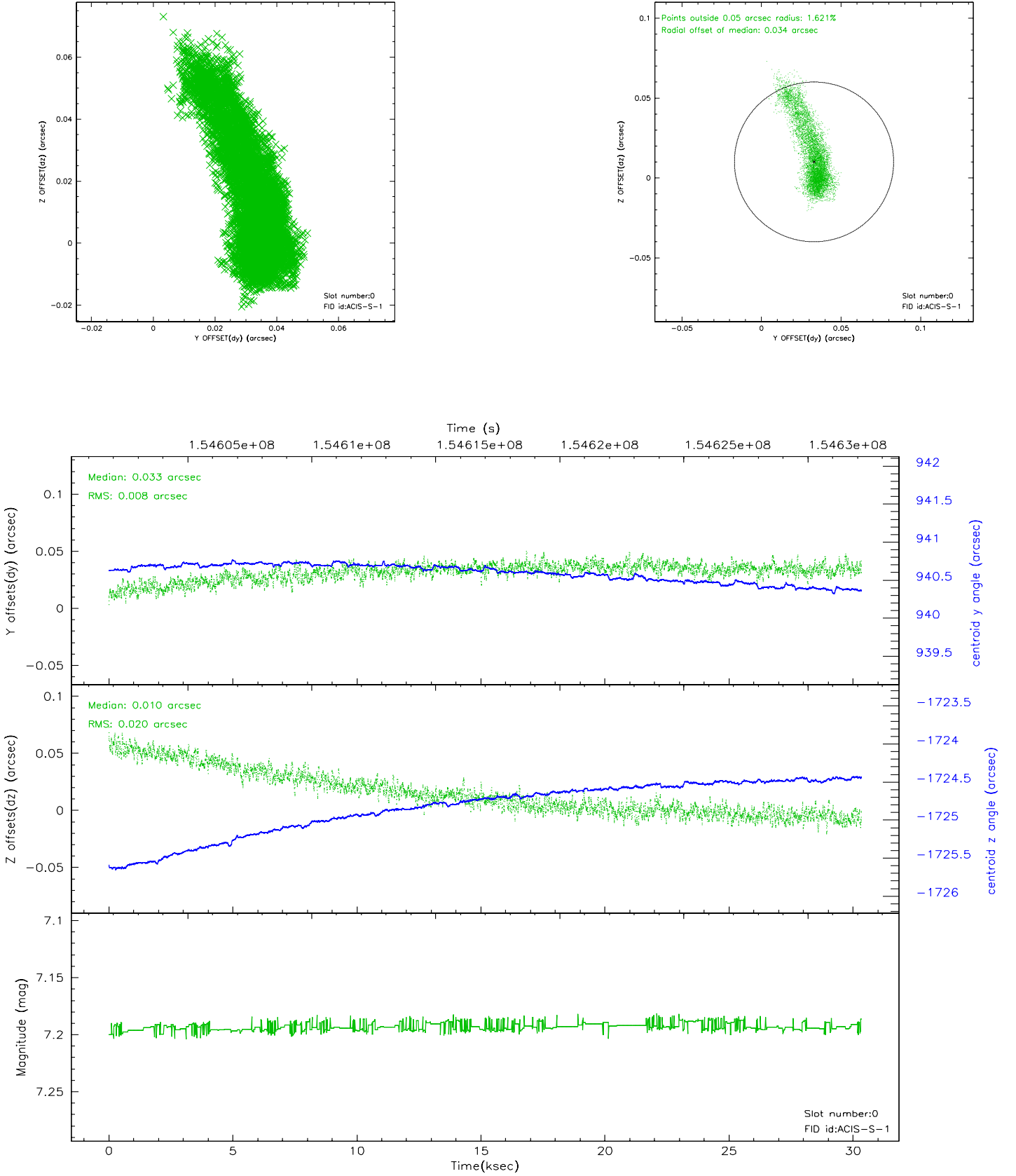


## 2.4.5 Slot 7

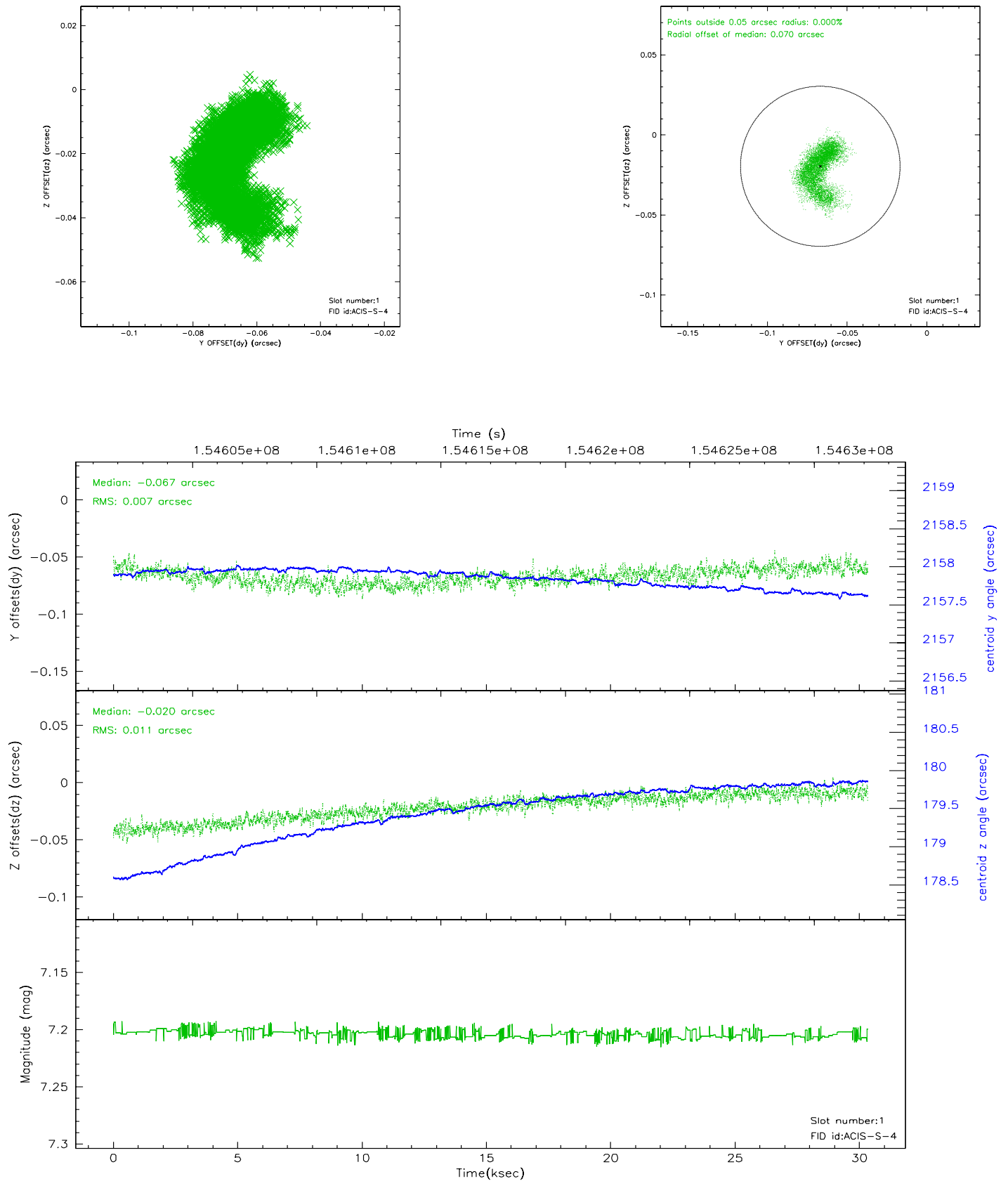


## 2.5 FID Slots

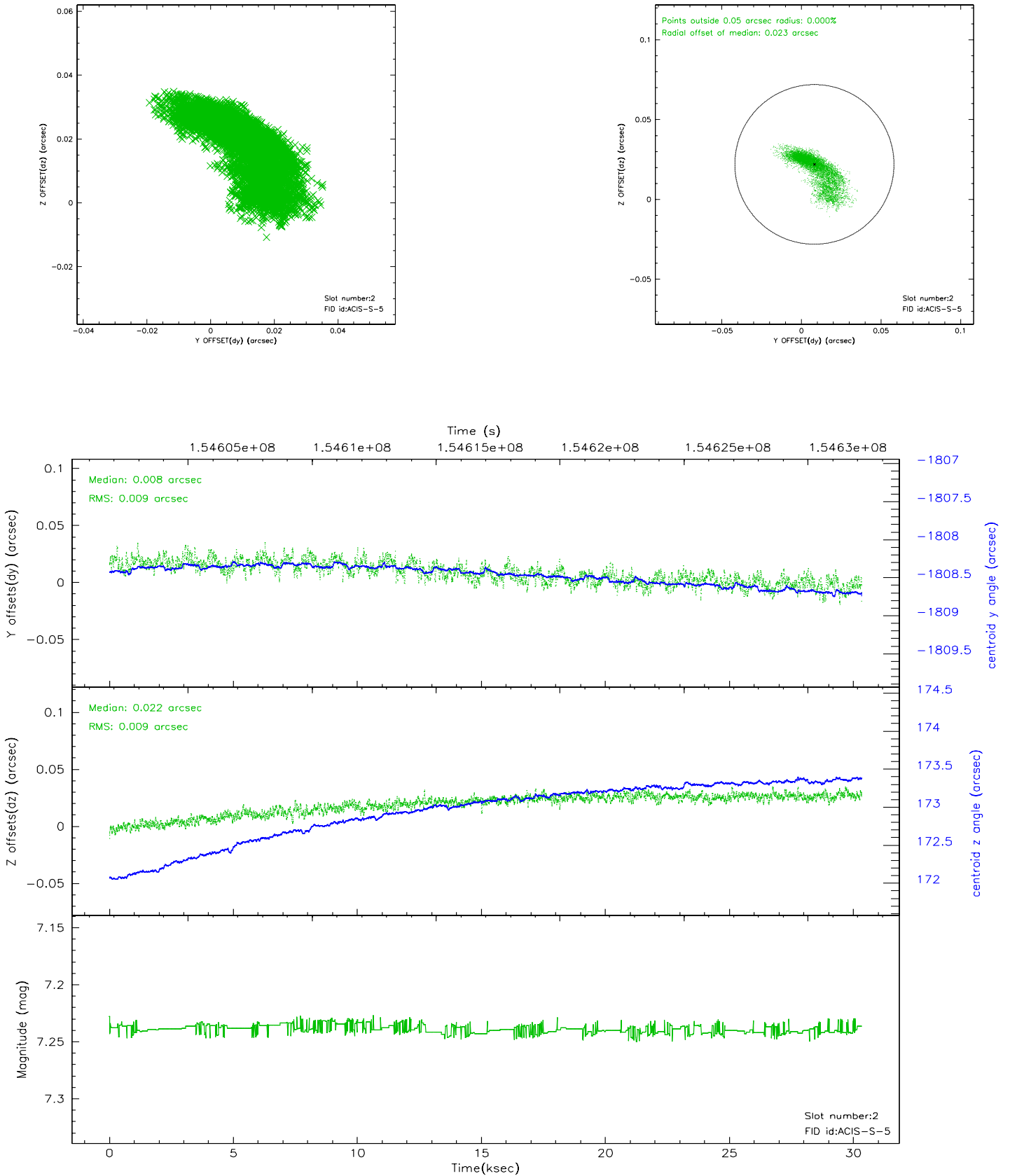
### 2.5.1 Slot 0



## 2.5.2 Slot 1

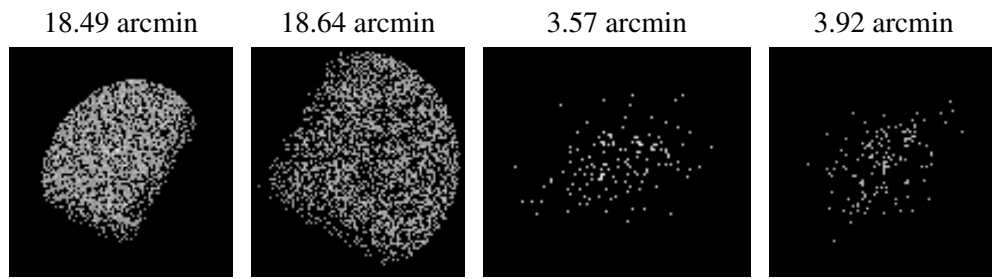


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.10.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.335

### A.2 Comments