

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 4414 - L2 Version 001  
Chandra X-Ray Center

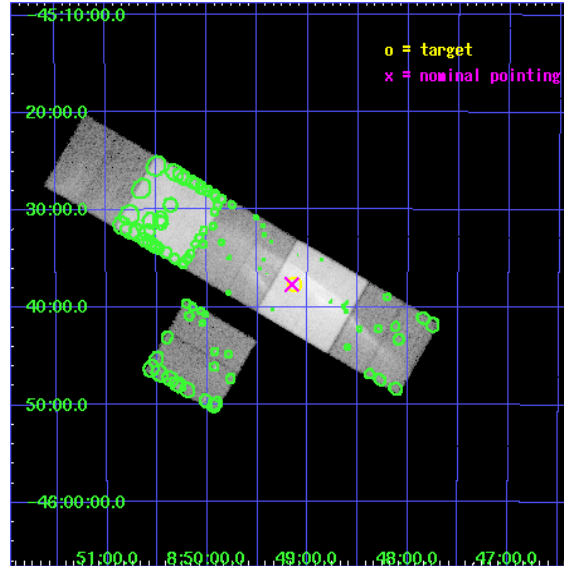
L2 Processing Date : Oct 18 2006

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# 1 Front

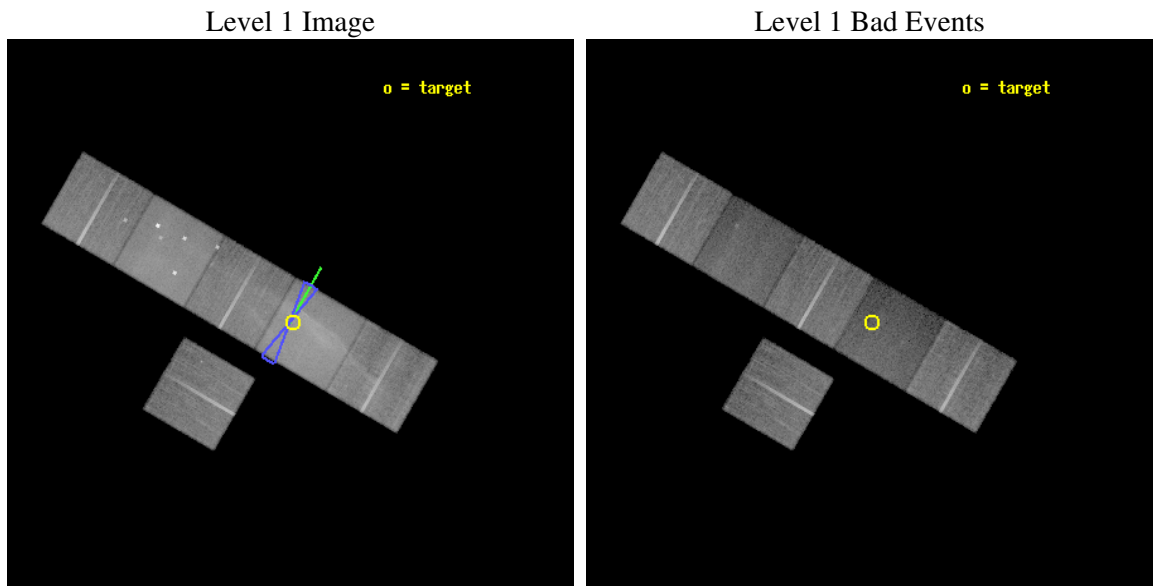
seq_num	500325
obs_id	4414
title	A STUDY OF THE X-RAY LUMINOUS NORTHWESTERN RIM OF THE GALACTIC SUPERNOVA REMNANT G266.2-1.2
observer	Dr. Thomas Pannuti
object	G266.2-1.2 - NW
dtcycle	0
cycle	P
ra_targ	132.283
dec_targ	-45.629
ra_nom	132.28913297798
dec_nom	-45.628431518268
roll_nom	30.161013175643
revision	2
ontime	34963.158919364
livetime	34520.43434884
ontime2	34959.917909205
ontime4	34956.676918983
ontime5	34959.917909235
ontime6	34953.435888946
ontime7	34963.158919364
ontime8	34959.917919219
l2events	643172



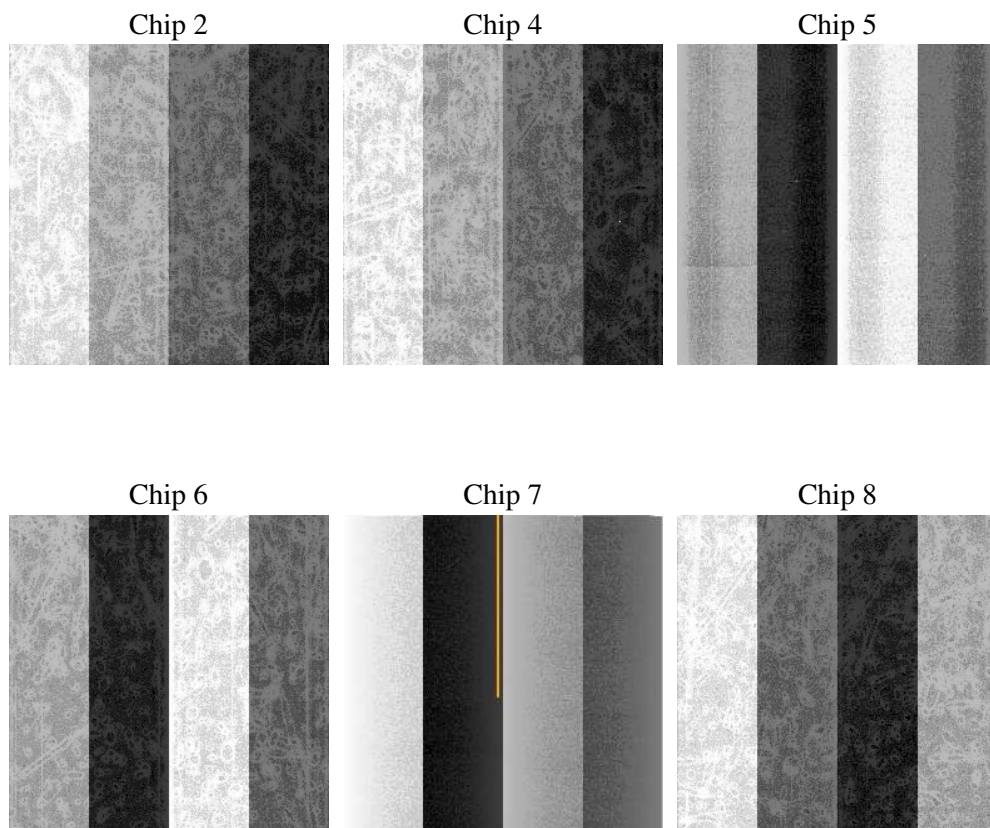
## 2 OBI

### 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	2006-10-18T21:16:33
revision	2

sched_exp_time	35007.919000
ontime	34967.229511887
ontime2	34963.988501728
ontime4	34960.747511506
ontime5	34963.988521665
ontime6	34957.506481469
ontime7	34967.229511887
ontime8	34963.988511741
l1events	1579538

### 2.1.4 Events

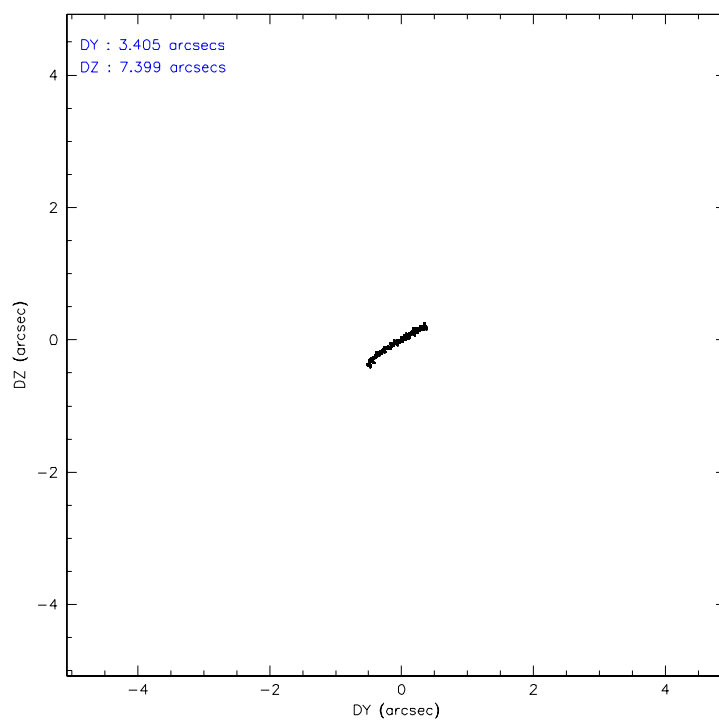
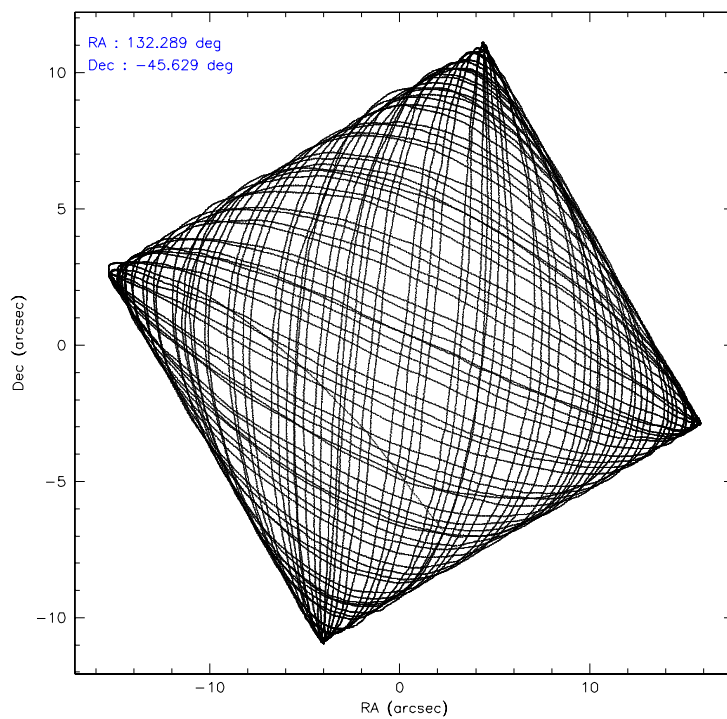
	ccd 2	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	199968	220852	309244	237434	363990	248050
rejected events	162359	181559	102221	158298	87515	166221
rejected %	81%	82%	33%	66%	24%	67%

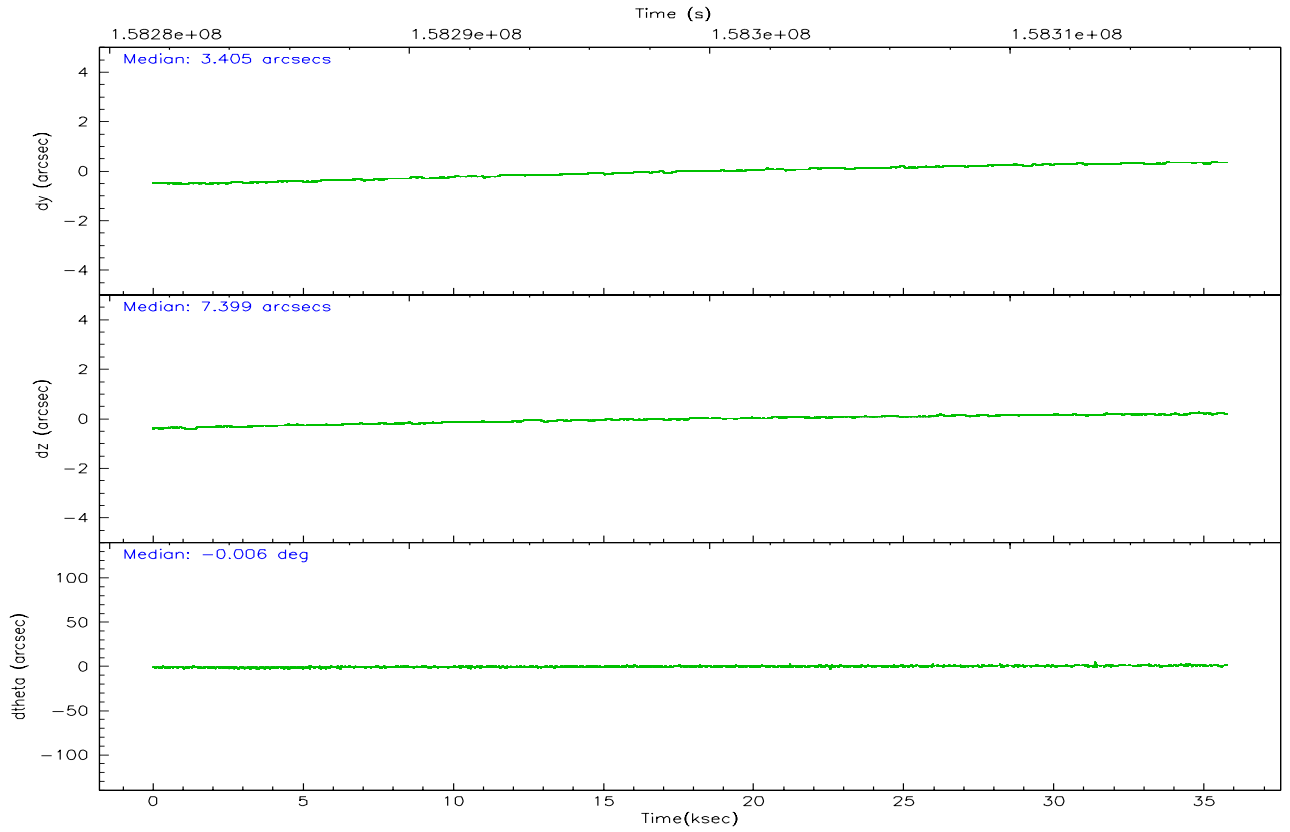
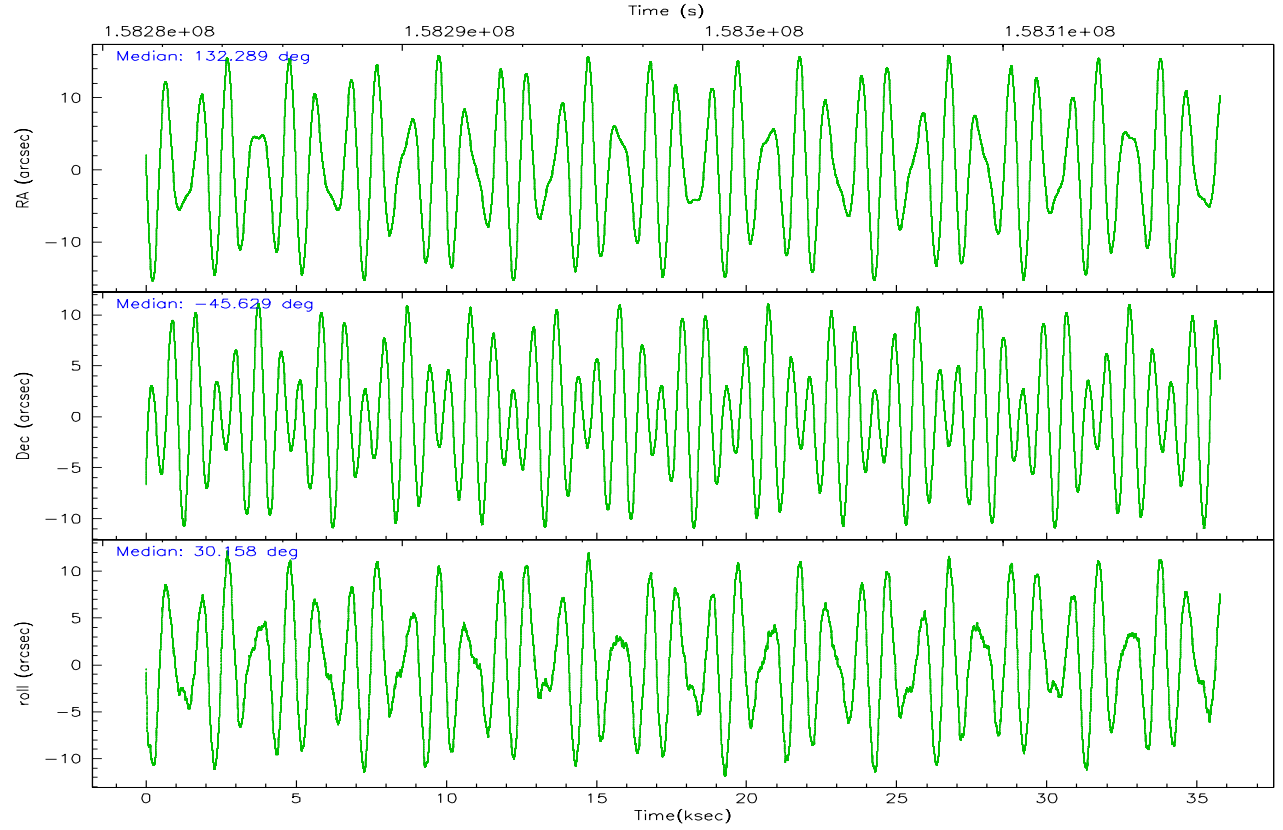
	ccd 2	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	25332	26016	54831	60728	94070	44823
	12%	11%	17%	25%	25%	18%
grade 1 events	146	272	382	278	114	244
	0%	0%	0%	0%	0%	0%
grade 2 events	5045	5400	66134	8256	69913	12877
	2%	2%	21%	3%	19%	5%
grade 3 events	2216	2414	9733	3032	24326	5848
	1%	1%	3%	1%	6%	2%
grade 4 events	2145	2390	9828	3008	24068	5632
	1%	1%	3%	1%	6%	2%
grade 5 events	4627	5600	12171	5773	13827	8621
	2%	2%	3%	2%	3%	3%
grade 6 events	2879	3076	66517	4130	64140	12657
	1%	1%	21%	1%	17%	5%
grade 7 events	157578	175684	89648	152229	73532	157348
	78%	79%	28%	64%	20%	63%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-245678	ACIS-245678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	132.270254	132.2891329779757	Subarray requested	NONE	NONE
Pointing Dec	-45.652229	-45.62843151826806	Alternating exposures requested	N	N
Pointing Roll	29.990887	30.16101317564276	Primary exposure time	0.000000	3.2
Roll angle	30.000000	30.000000			
Roll tolerance	10.000000	10.000000			
Roll constraint allows 180D rotation	Y	Y			
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	158282221.184000	158280972.20129			
Observation start date	2003-01-06T23:15:57	2003-01-06T22:56:12			
Observation end time	158317229.184000	158317544.20282			
Observation end date	2003-01-07T08:59:25	2003-01-07T09:05:44			
Read mode	TIMED	TIMED			

## 2.3 Aspect





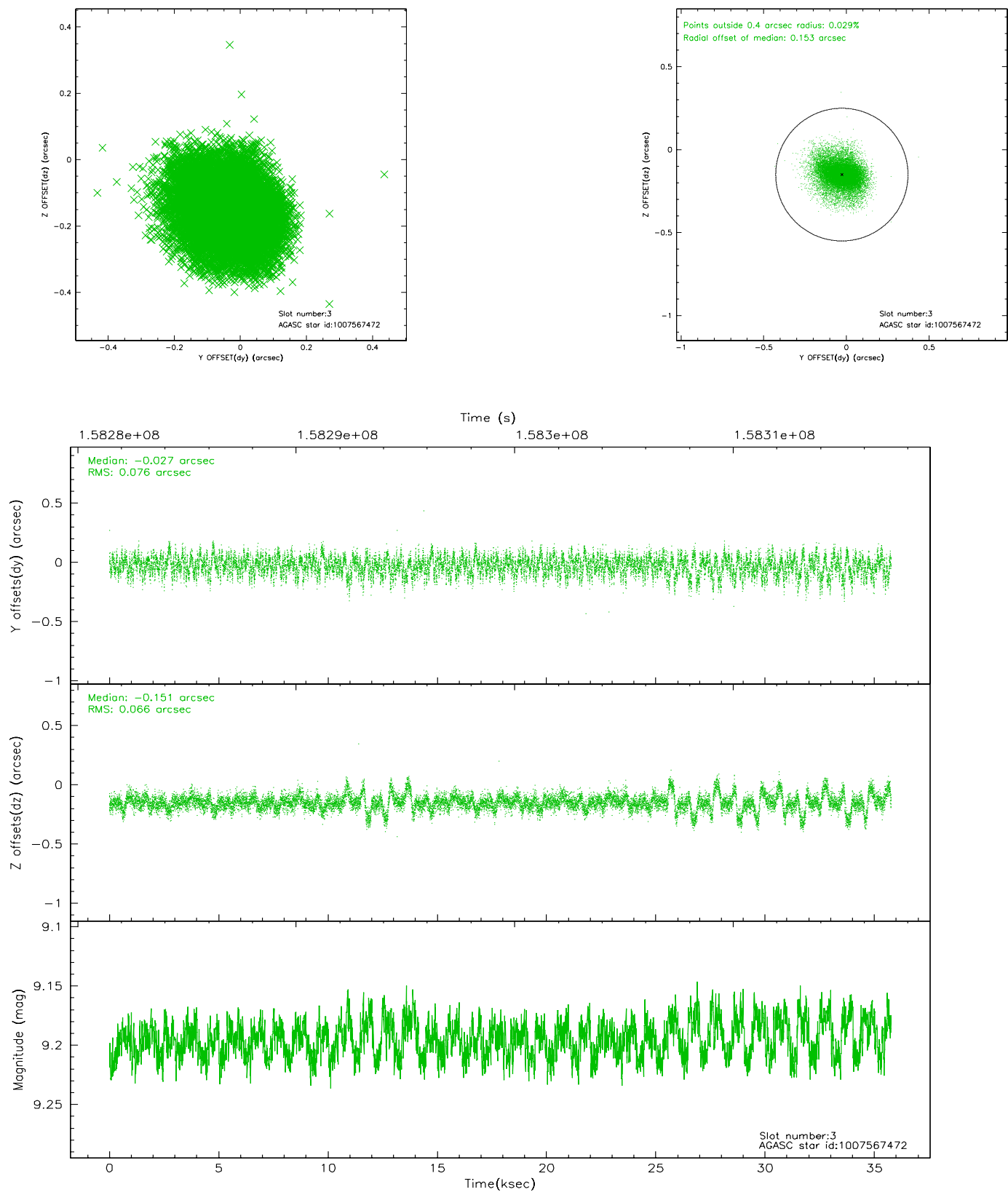
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.20	8721	0.008	-0.004	0.009	0.015	0.000000	0.000000	940.03	-1724.18
1	FID	ACIS-S-4	7.20	8714	-0.031	-0.005	0.007	0.011	0.000000	0.000000	2157.40	179.96
2	FID	ACIS-S-6	7.36	8719	-0.001	0.021	0.010	0.015	0.000000	0.000000	405.99	817.37
3	GUIDE	1007567472	9.20	17433	-0.027	-0.151	0.105	0.182	132.458388	-44.880848	1803.89	2164.88
4	GUIDE	1068506184	9.43	17433	-0.119	0.100	0.112	0.179	133.354089	-45.784106	2110.68	-1786.83
5	GUIDE	1068390080	8.91	17432	0.111	0.041	0.078	0.123	131.860714	-46.048812	-1600.51	-727.23
6	GUIDE	1068395856	8.23	17440	0.033	-0.025	0.065	0.101	131.866515	-46.451101	-2305.73	-1992.63
7	GUIDE	1068509768	9.66	17424	0.014	0.041	0.122	0.205	132.898806	-45.654489	1363.07	-802.85

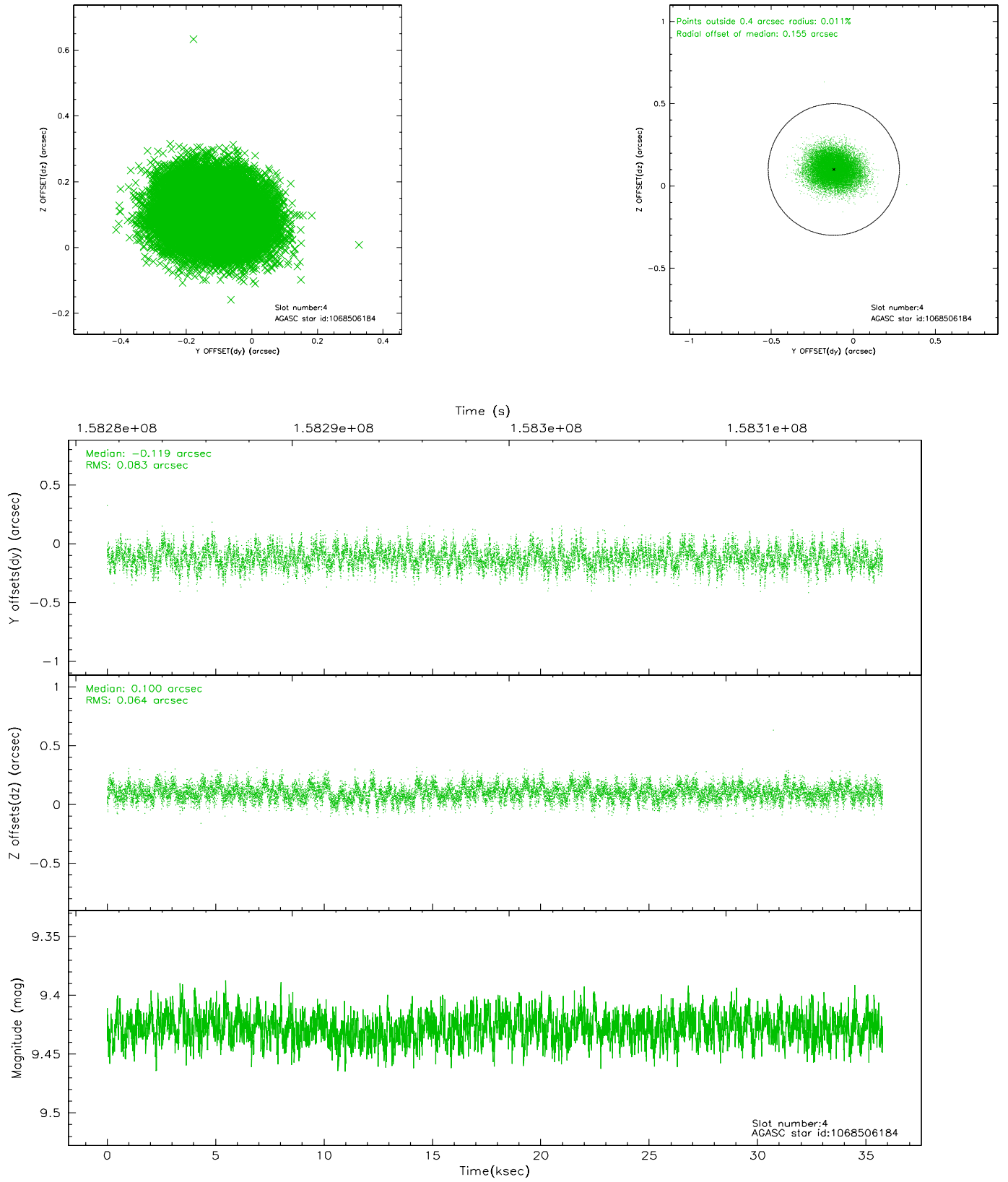


## 2.4 Star Slots

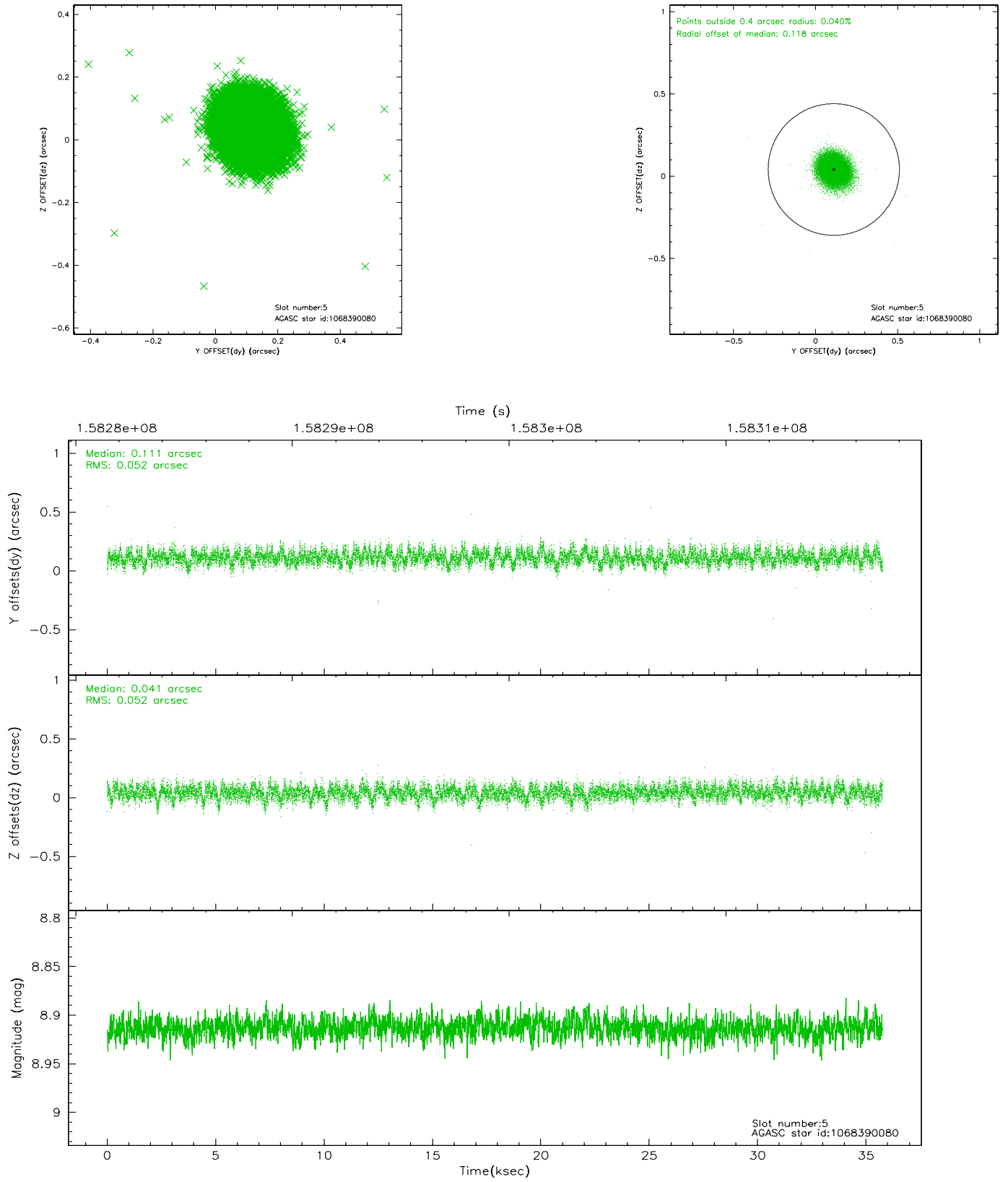
### 2.4.1 Slot 3



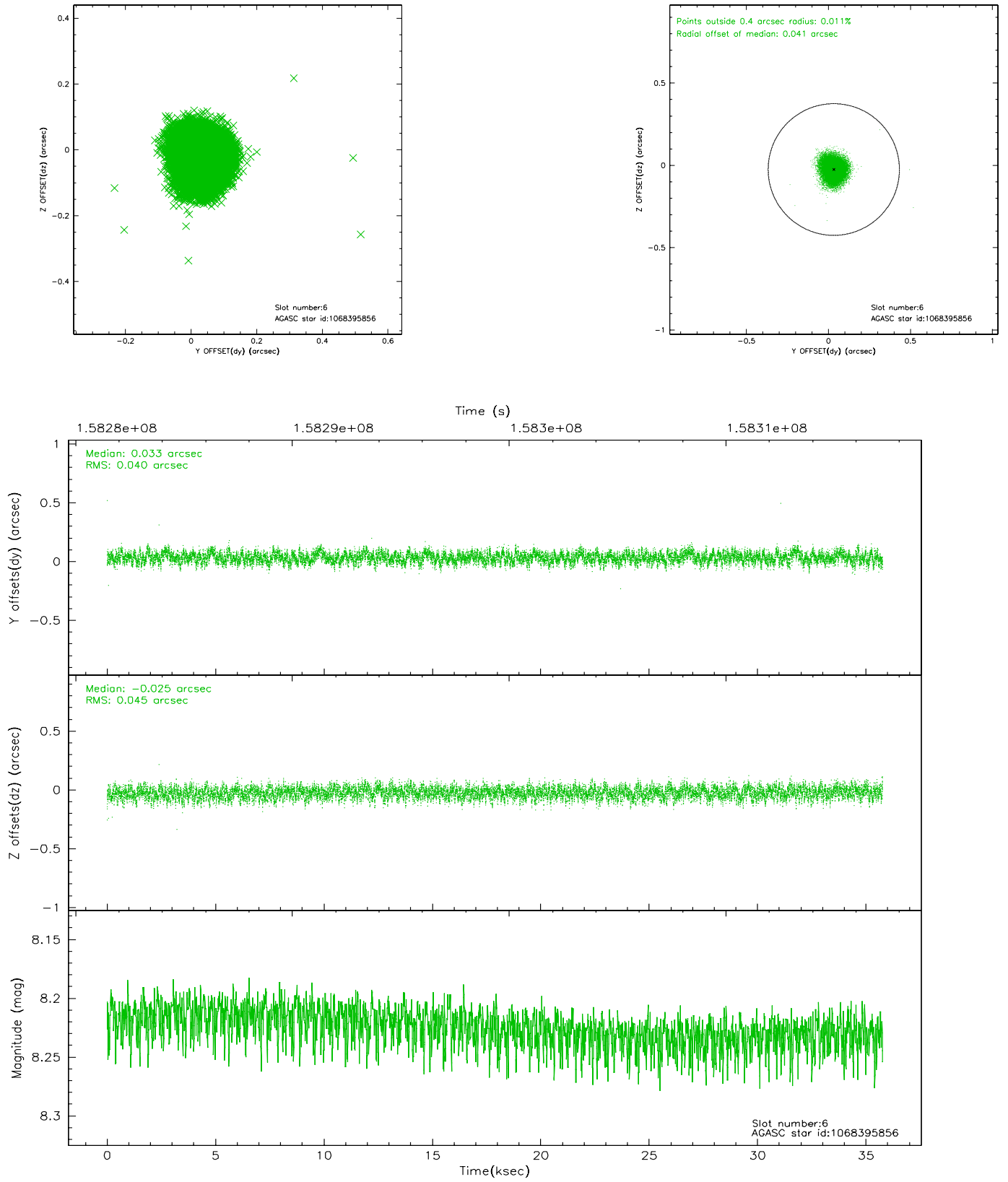
## 2.4.2 Slot 4



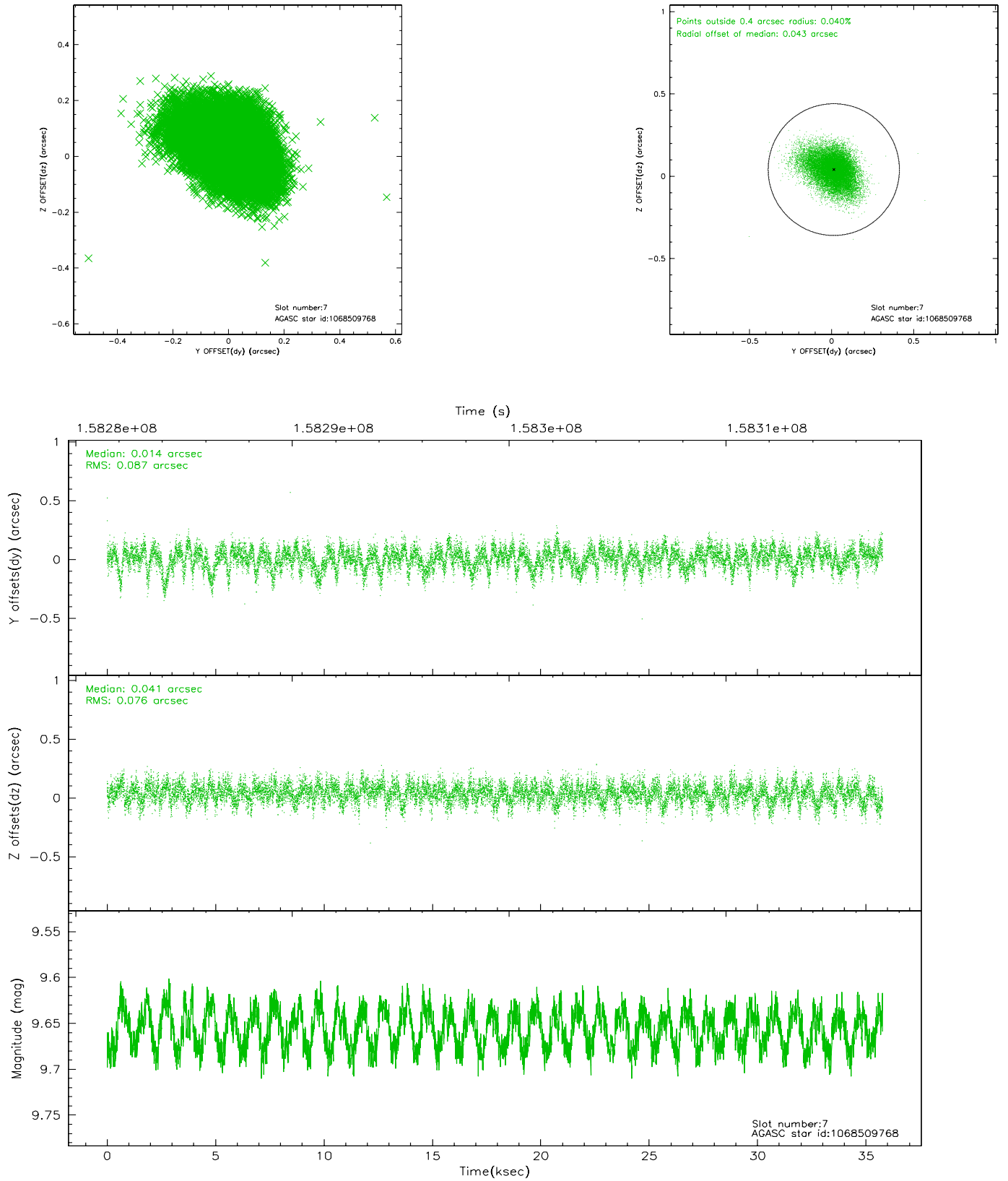
### 2.4.3 Slot 5



## 2.4.4 Slot 6

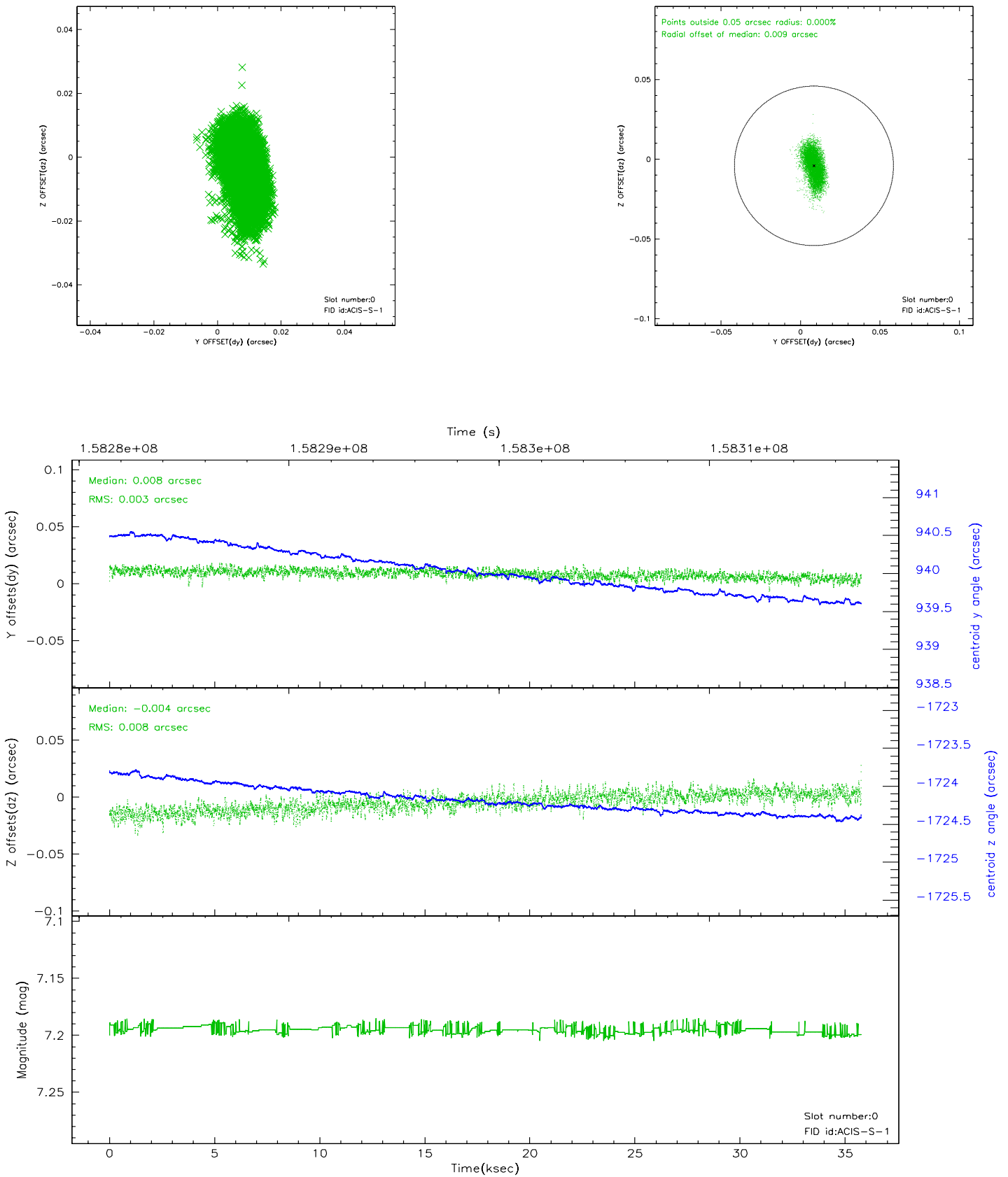


## 2.4.5 Slot 7

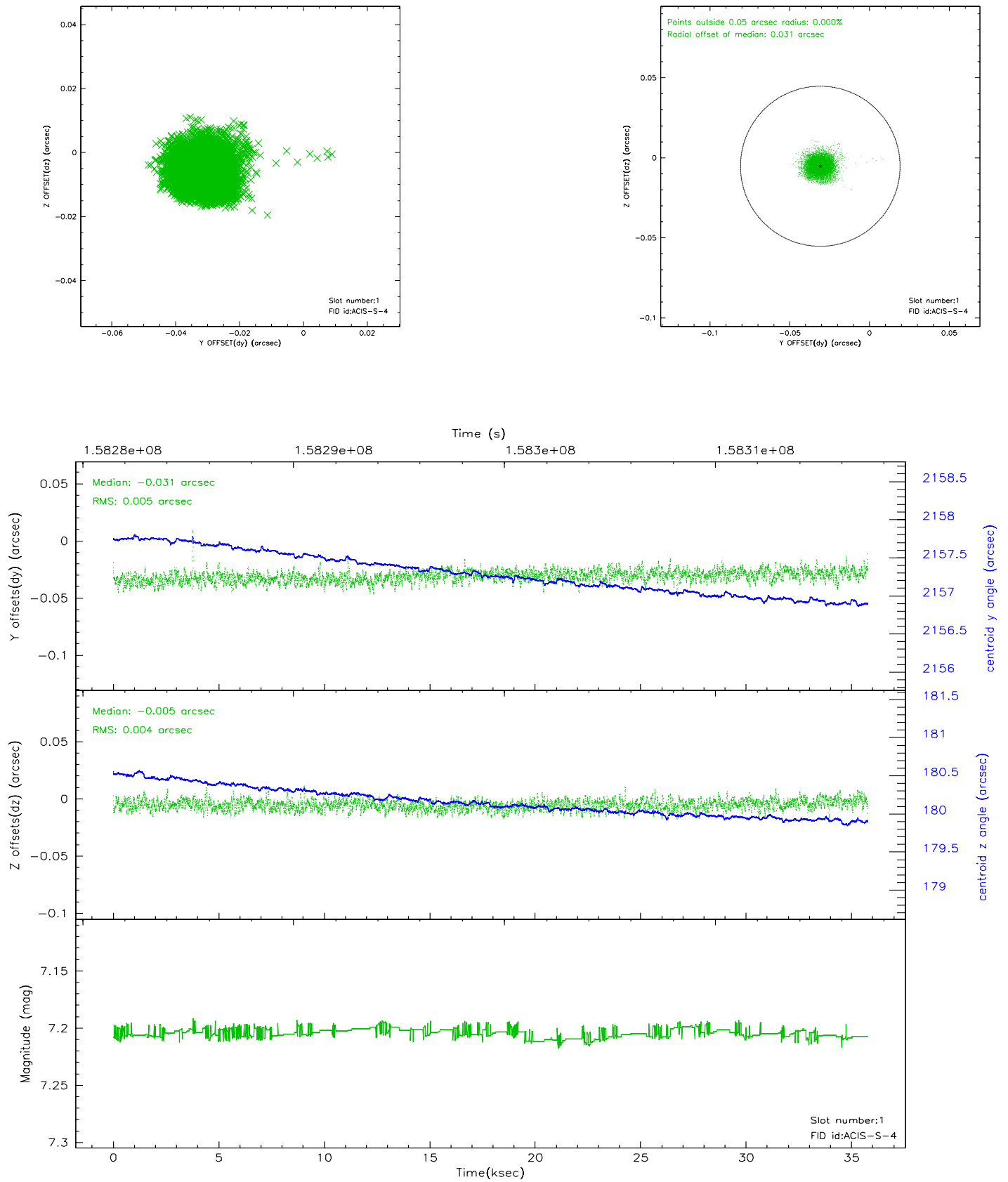


## 2.5 FID Slots

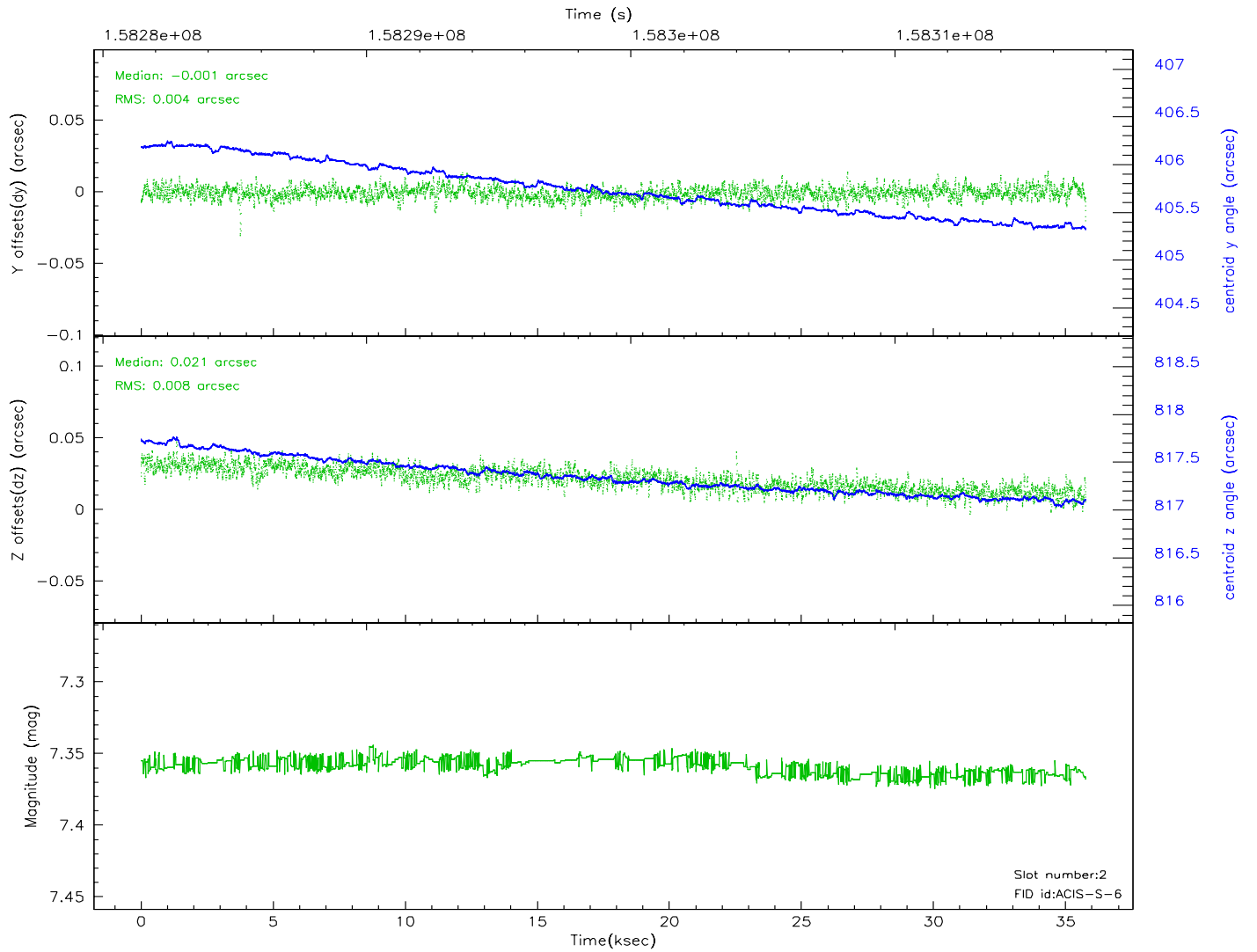
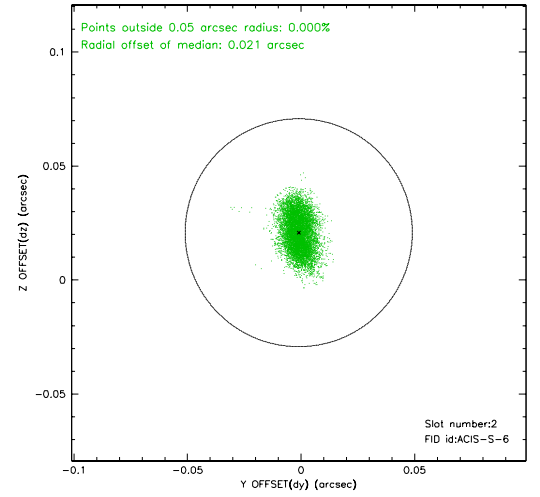
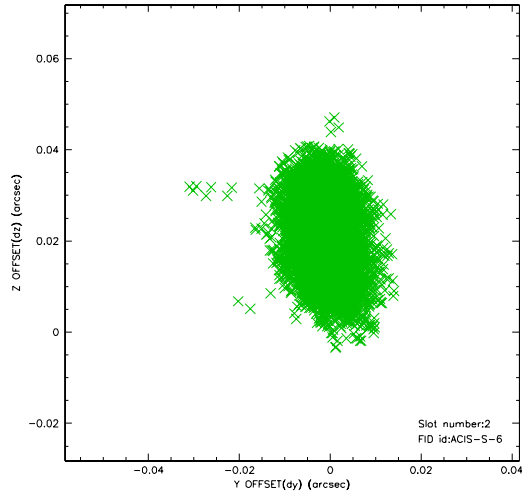
### 2.5.1 Slot 0



## 2.5.2 Slot 1

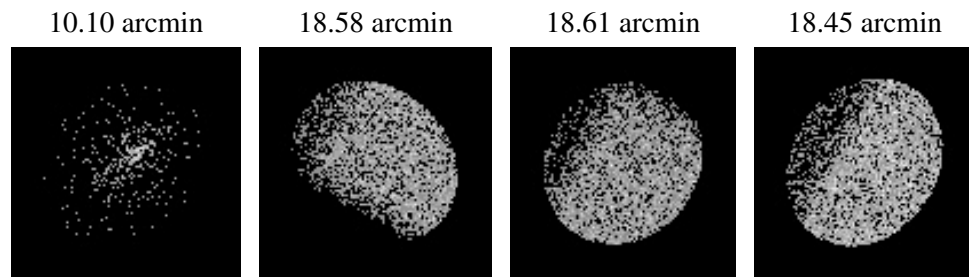


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.963

### A.2 Comments

Roll constraint met.