

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 5262 - L2 Version 001  
Chandra X-Ray Center

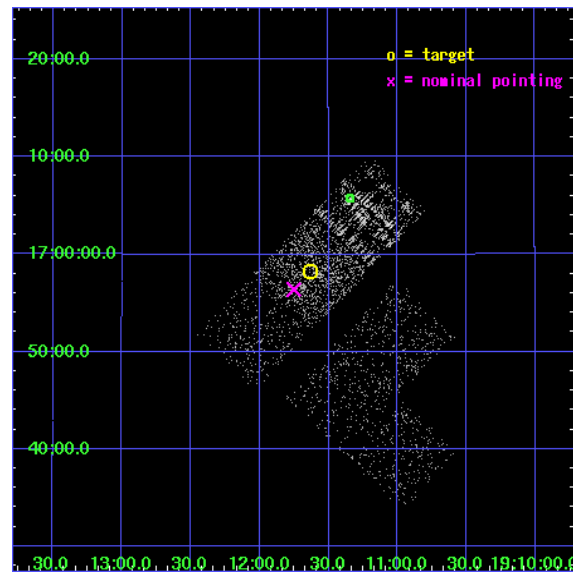
L2 Processing Date : Jun 26 2006

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# 1 Front

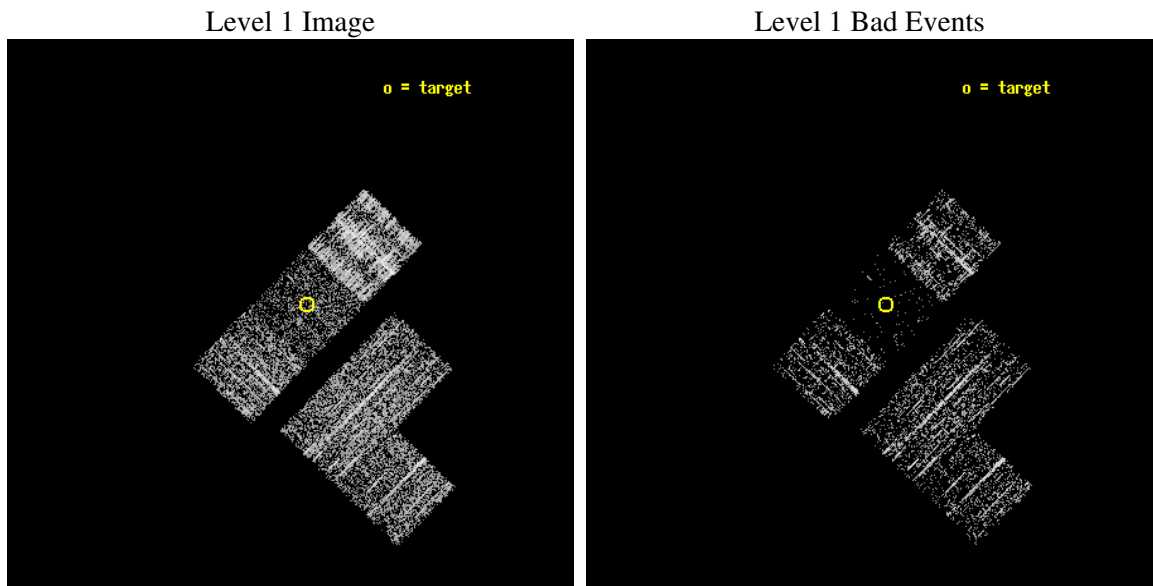
seq_num	100051
obs_id	5262
title	High Resolution Imaging of the Source of Comet Encke's X-Rays Over One Nuclear Rotation
observer	Dr. Carey Lisse
object	2P/Encke (2003)
dtcycle	0
cycle	P
ra_targ	287.90834
dec_targ	16.97174
ra_nom	287.93803591733
dec_nom	16.940013390644
roll_nom	314.1479749293
revision	2
ontime	1475.1999945045
livetime	1456.5201239152
ontime0	1475.1999945045
ontime2	1475.1999945045
ontime3	1475.1999945045
ontime6	1475.1999945045
ontime7	1475.1999945045
ontime8	1475.1999945045
l2events	4160



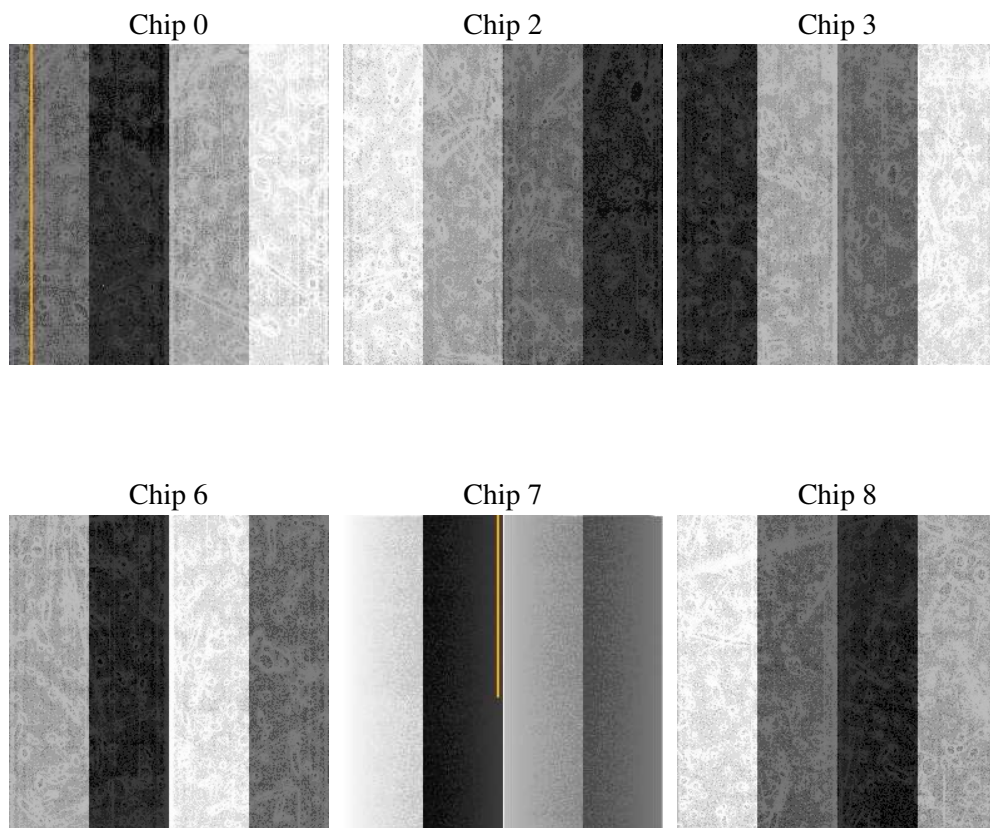
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.8
caldsver	3.2.2
date	2006-06-26T17:26:26
revision	2

sched_exp_time	1290.000000
ontime	1798.755807817
ontime0	1798.755807817
ontime2	1798.7558078468
ontime3	1798.7557779253
ontime6	1798.755807817
ontime7	1798.755807817
ontime8	1798.755807817
l1events	40110

### 2.1.4 Events

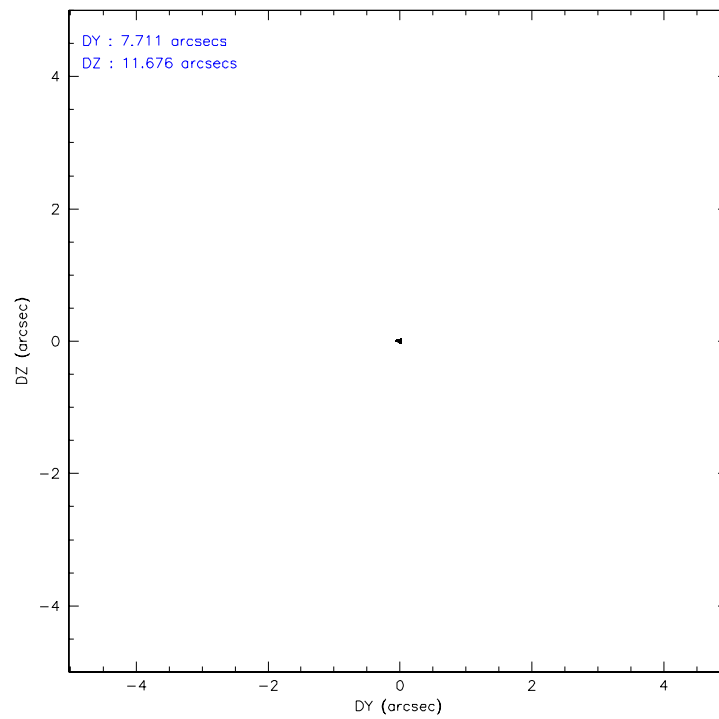
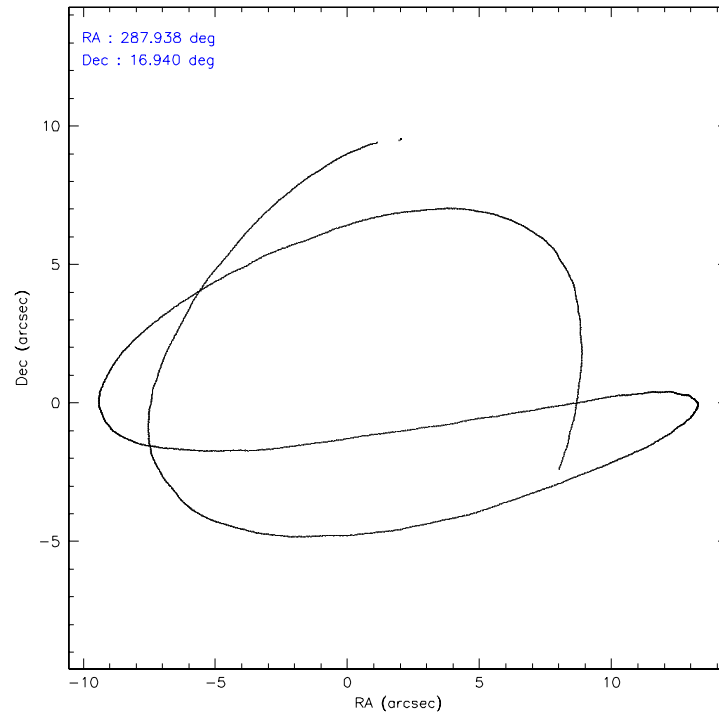
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	5799	6907	6303	6068	2245	12788
rejected events	5340	6394	5939	5568	939	7463
rejected %	92%	92%	94%	91%	41%	58%

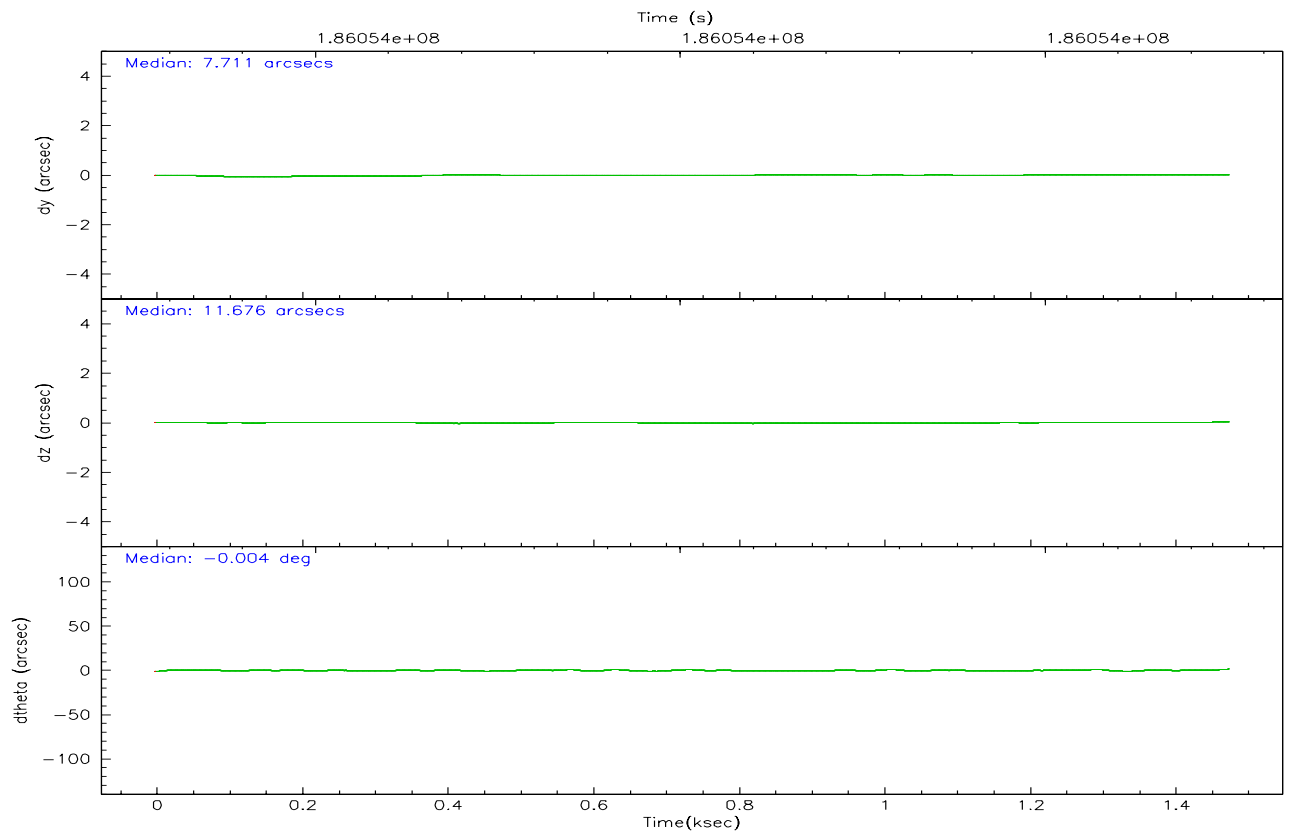
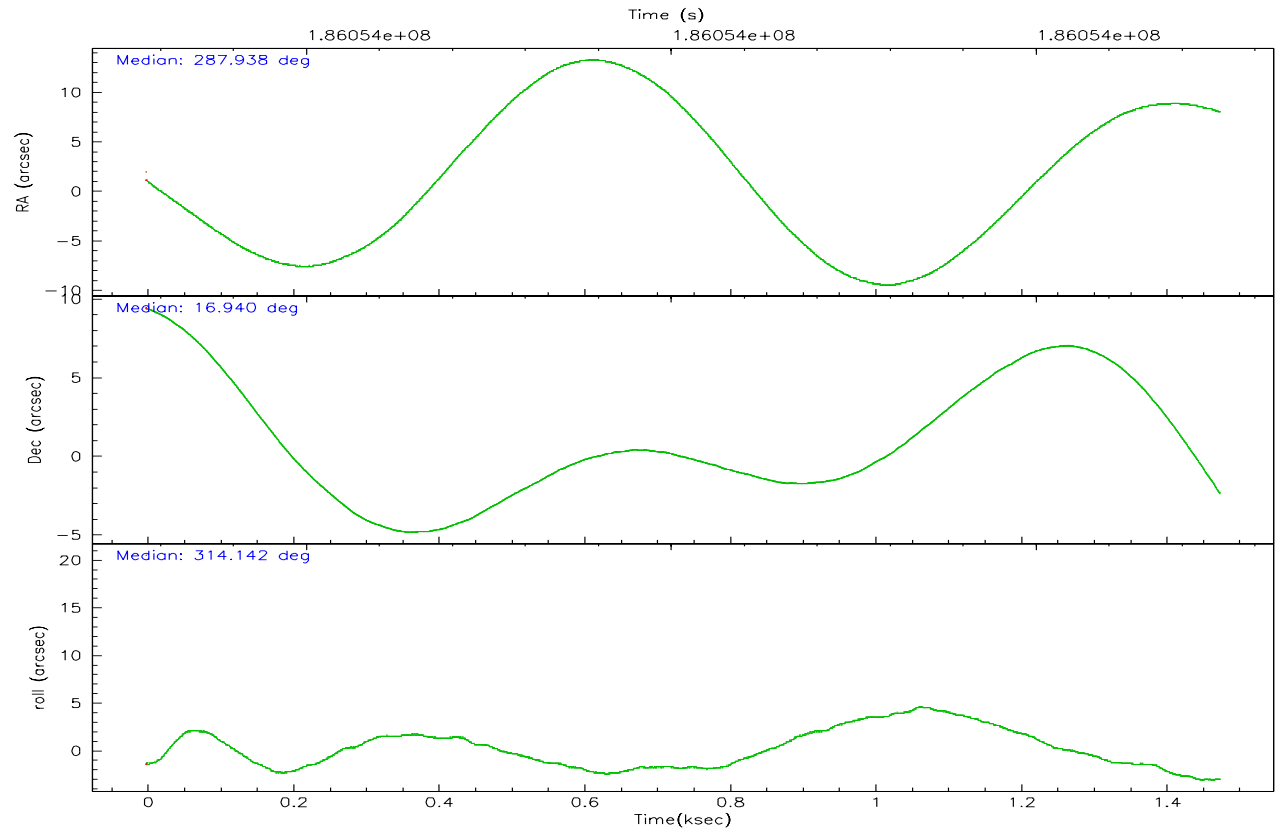
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	253	277	224	294	357	1886
	4%	4%	3%	4%	15%	14%
grade 1 events	5	5	3	0	5	16
	0%	0%	0%	0%	0%	0%
grade 2 events	146	170	86	142	488	970
	2%	2%	1%	2%	21%	7%
grade 3 events	51	42	37	63	144	1107
	0%	0%	0%	1%	6%	8%
grade 4 events	49	59	48	47	156	985
	0%	0%	0%	0%	6%	7%
grade 5 events	55	48	47	64	138	190
	0%	0%	0%	1%	6%	1%
grade 6 events	66	63	37	55	426	1504
	1%	0%	0%	0%	18%	11%
grade 7 events	5174	6243	5821	5403	531	6130
	89%	90%	92%	89%	23%	47%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-023678	ACIS-023678	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	287.910715	287.9380359173324	Alternating exposures requested	N	N
Pointing Dec	16.946827	16.94001339064359	Primary exposure time	0.000000	3.2
Pointing Roll	313.999301	314.1479749292996			
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	186053464.184000	186053088.03189			
Observation start date	2003-11-24T09:30:00	2003-11-24T09:24:48			
Observation end time	186054754.184000	186054887.93196			
Observation end date	2003-11-24T09:51:30	2003-11-24T09:54:47			
Read mode	TIMED	TIMED			

## 2.3 Aspect





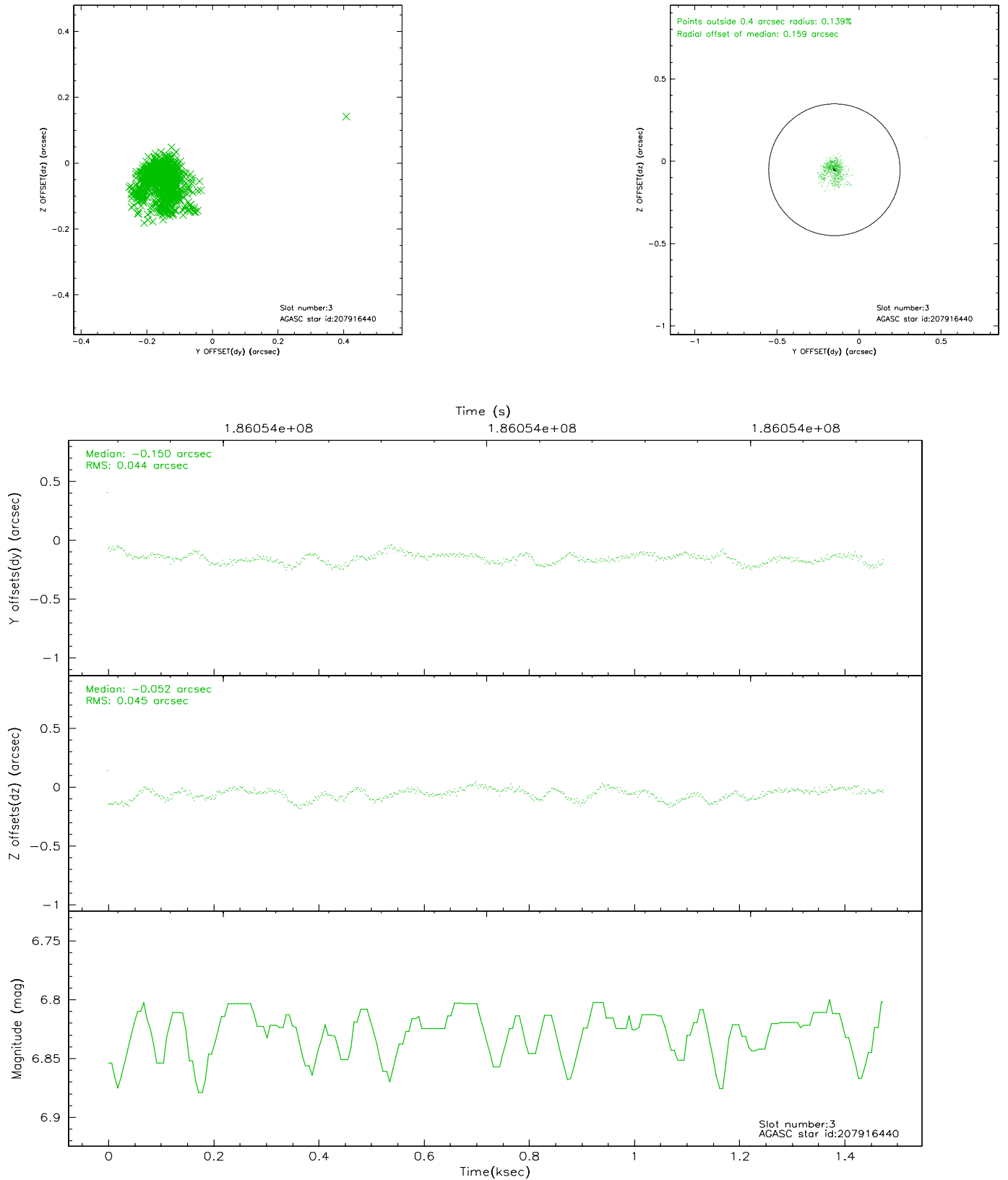
### Slot Statistics

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	360	-0.004	0.015	0.007	0.012	0.000000	0.000000	-760.47	-1732.95
1	FID	ACIS-S-4	7.20	361	0.006	-0.002	0.005	0.009	0.000000	0.000000	2150.77	170.88
2	FID	ACIS-S-5	7.23	360	-0.033	-0.004	0.006	0.010	0.000000	0.000000	-1807.58	169.63
3	GUIDE	207916440	6.82	721	-0.150	-0.052	0.062	0.103	287.167522	16.851310	-1533.29	-2078.15
4	GUIDE	208416976	8.35	721	-0.111	0.030	0.079	0.124	287.326965	17.073967	-1727.62	-1128.44
5	GUIDE	209596088	9.37	721	0.207	0.114	0.106	0.171	288.150718	16.305149	2236.66	-1009.13
6	GUIDE	210120944	8.43	721	-0.002	0.009	0.084	0.135	288.245736	17.506735	-647.47	2226.78
7	GUIDE	209585448	7.95	720	0.050	-0.088	0.051	0.085	288.114724	16.850123	739.81	266.89

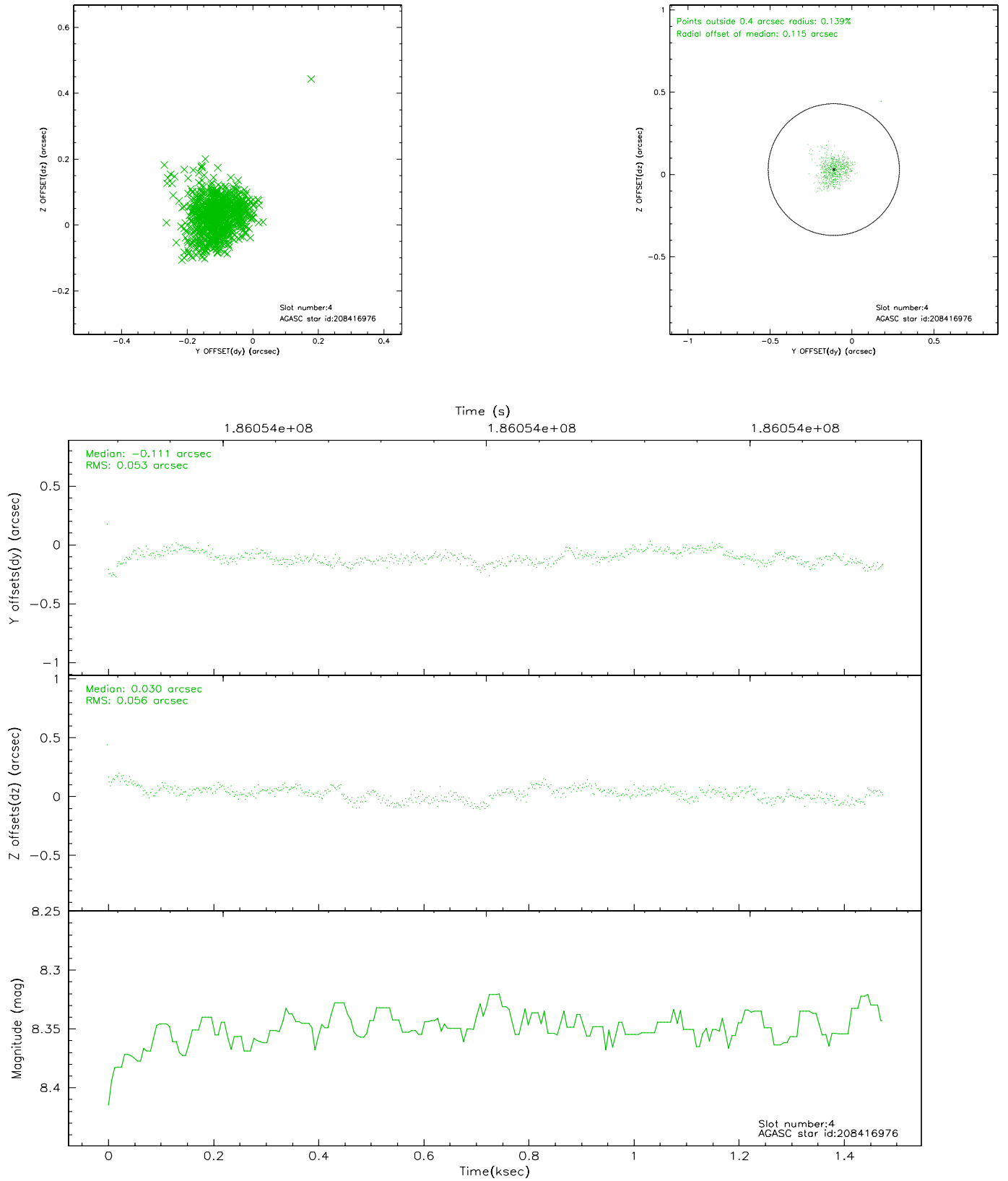


## 2.4 Star Slots

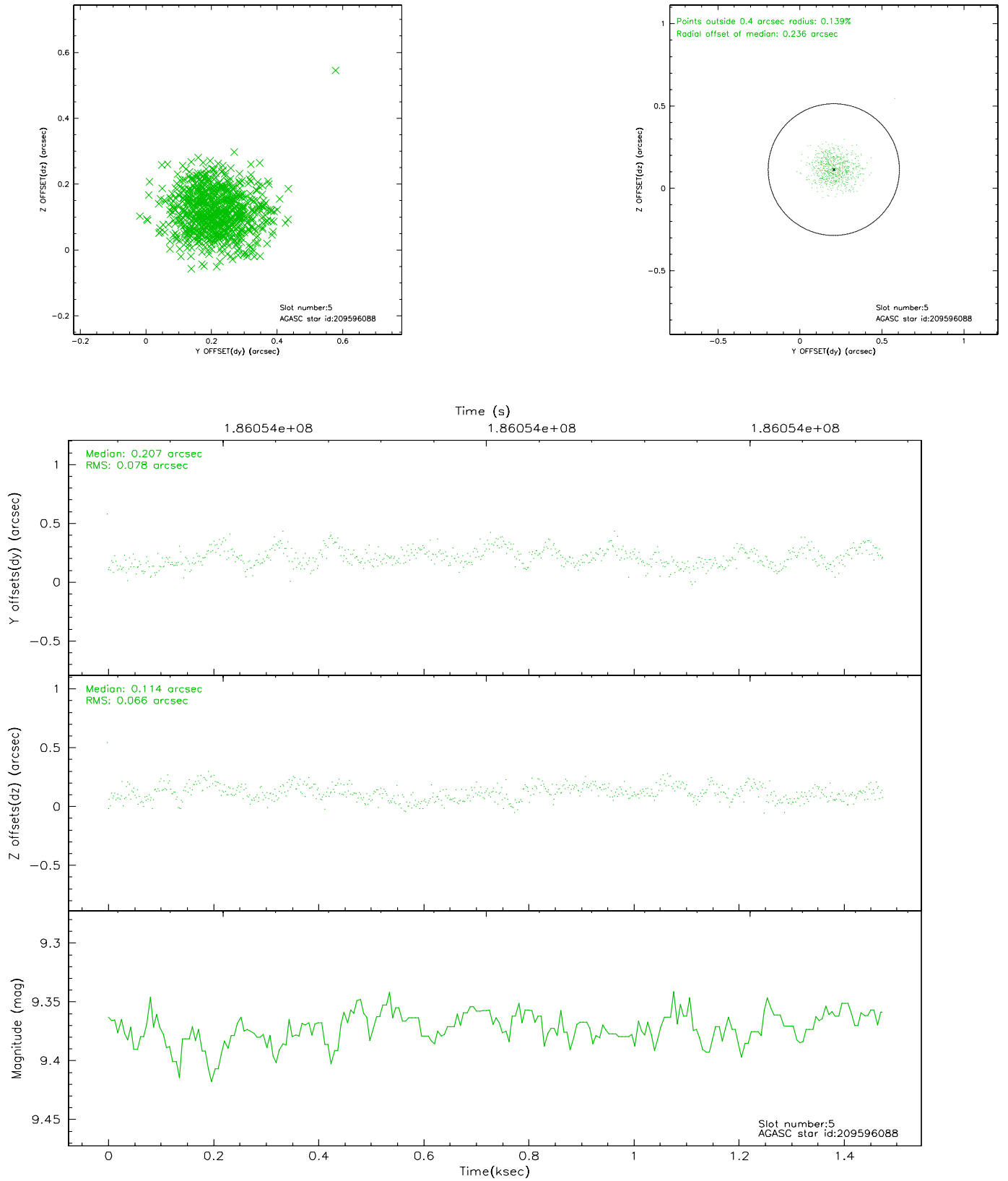
### 2.4.1 Slot 3



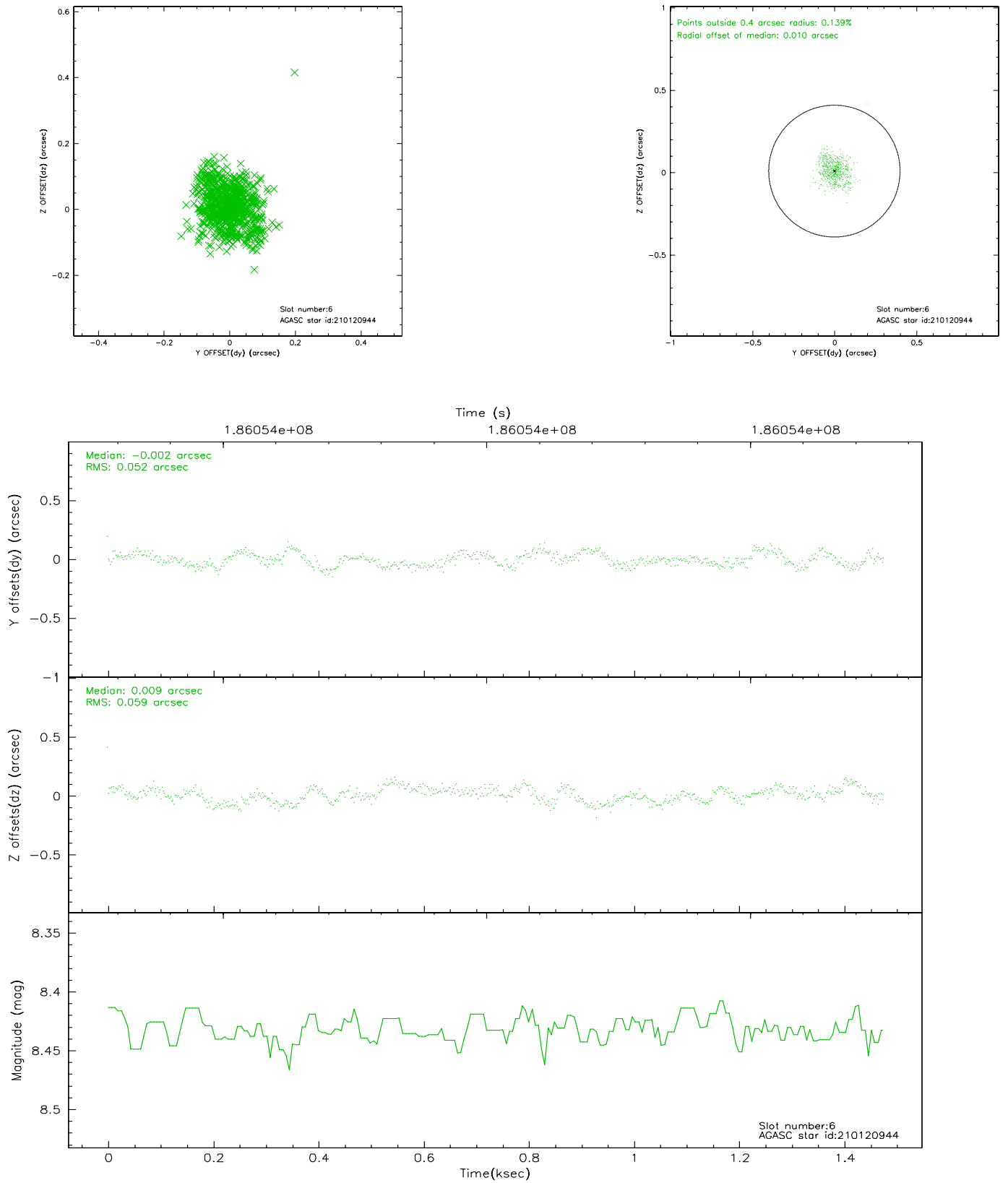
## 2.4.2 Slot 4



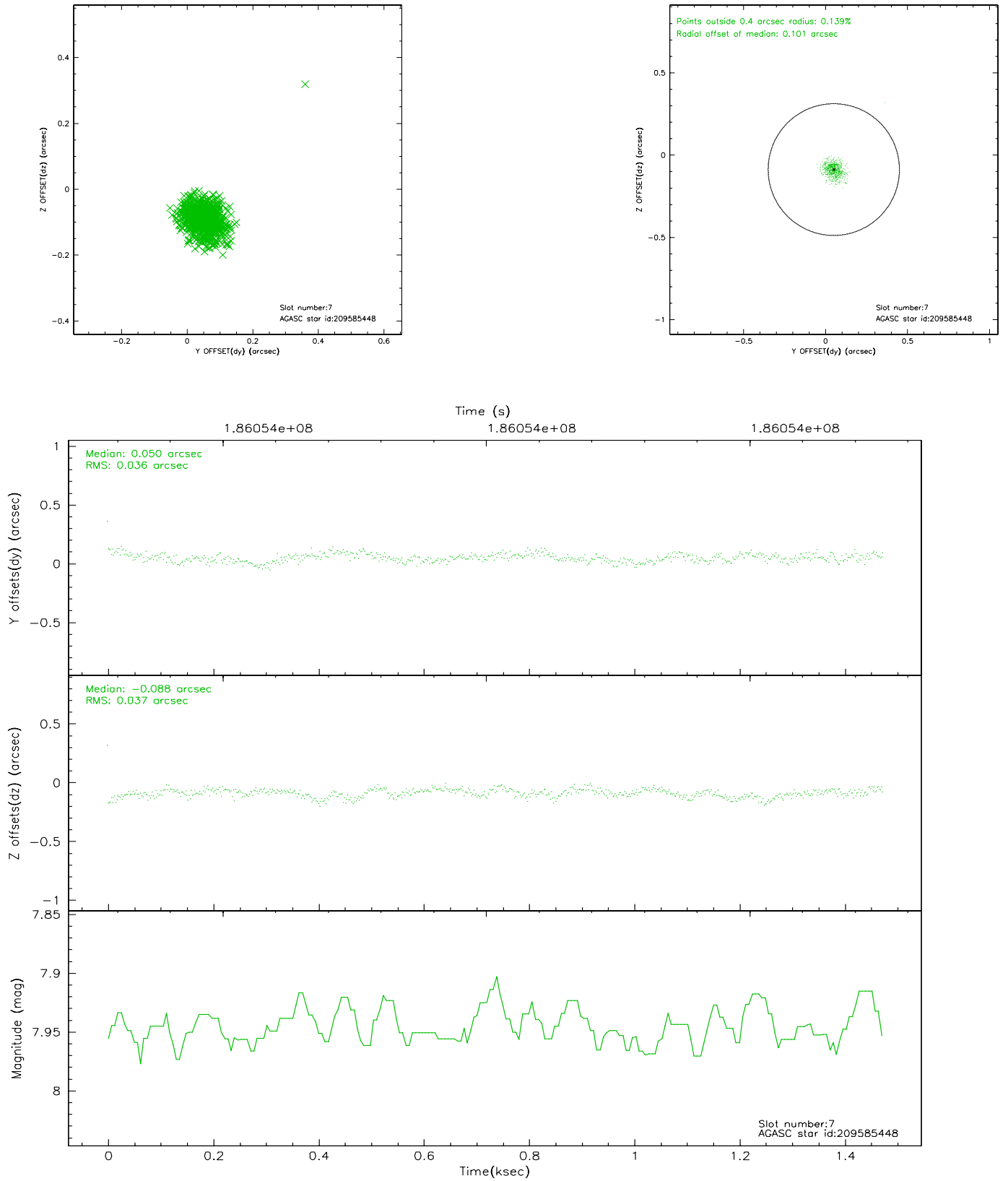
### 2.4.3 Slot 5



## 2.4.4 Slot 6

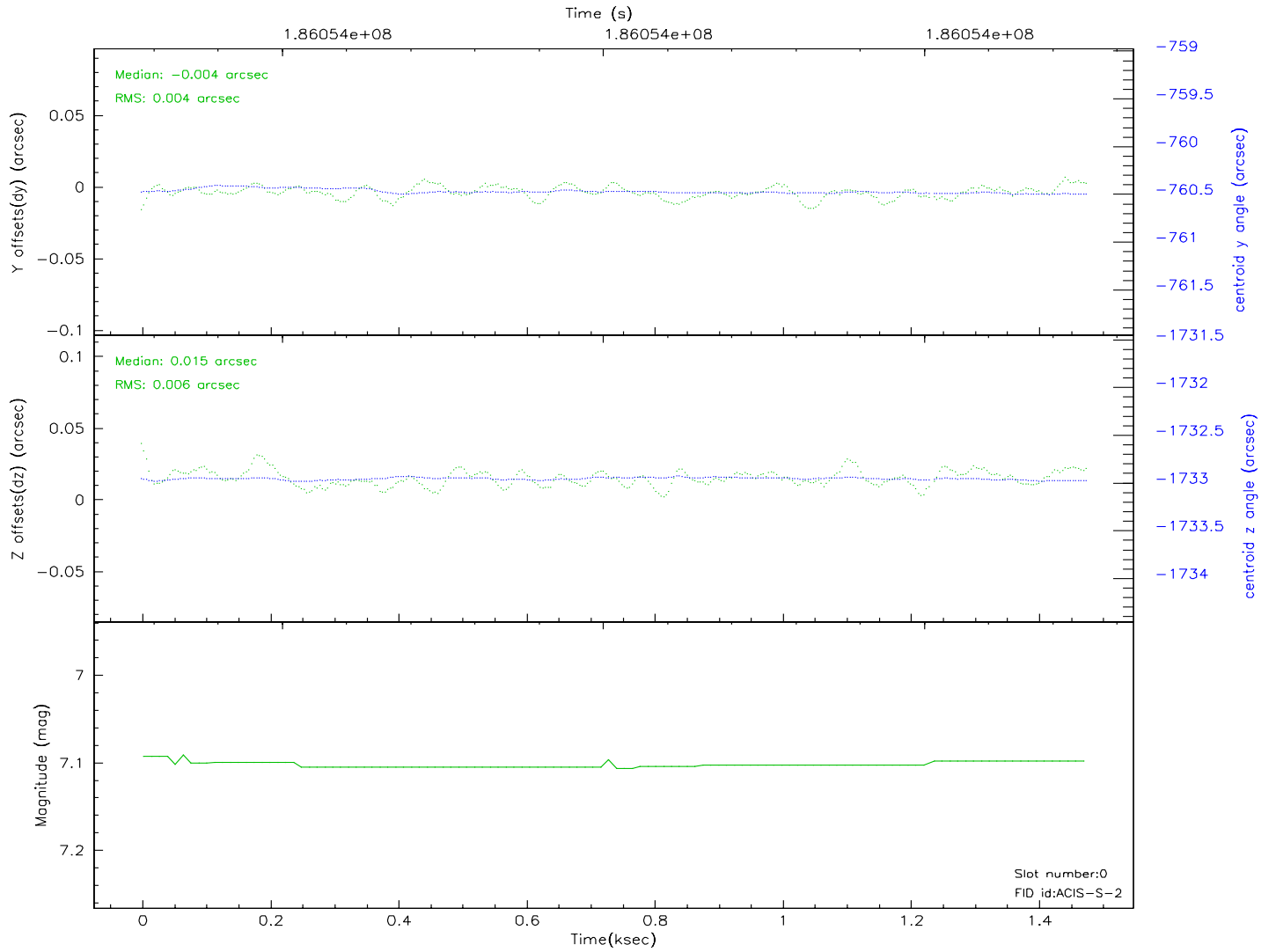
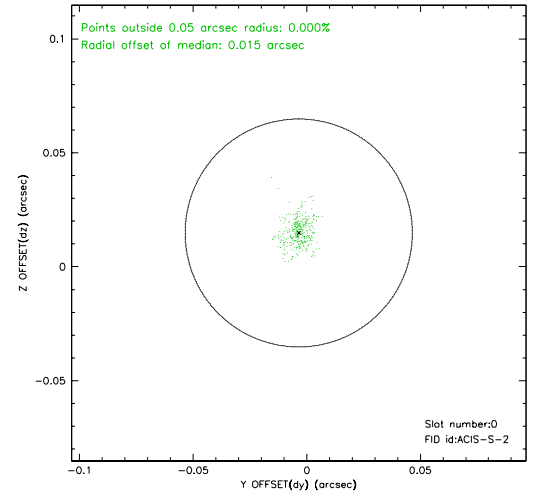
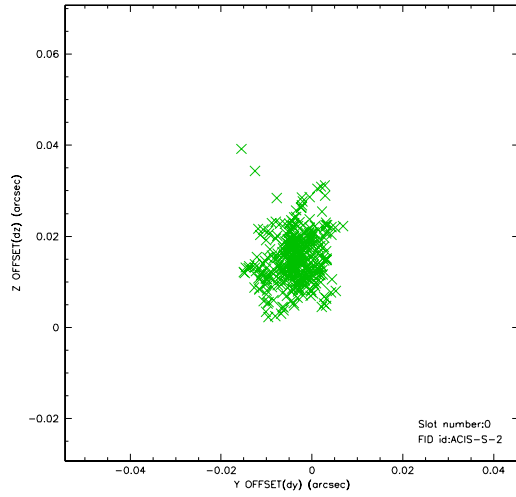


## 2.4.5 Slot 7

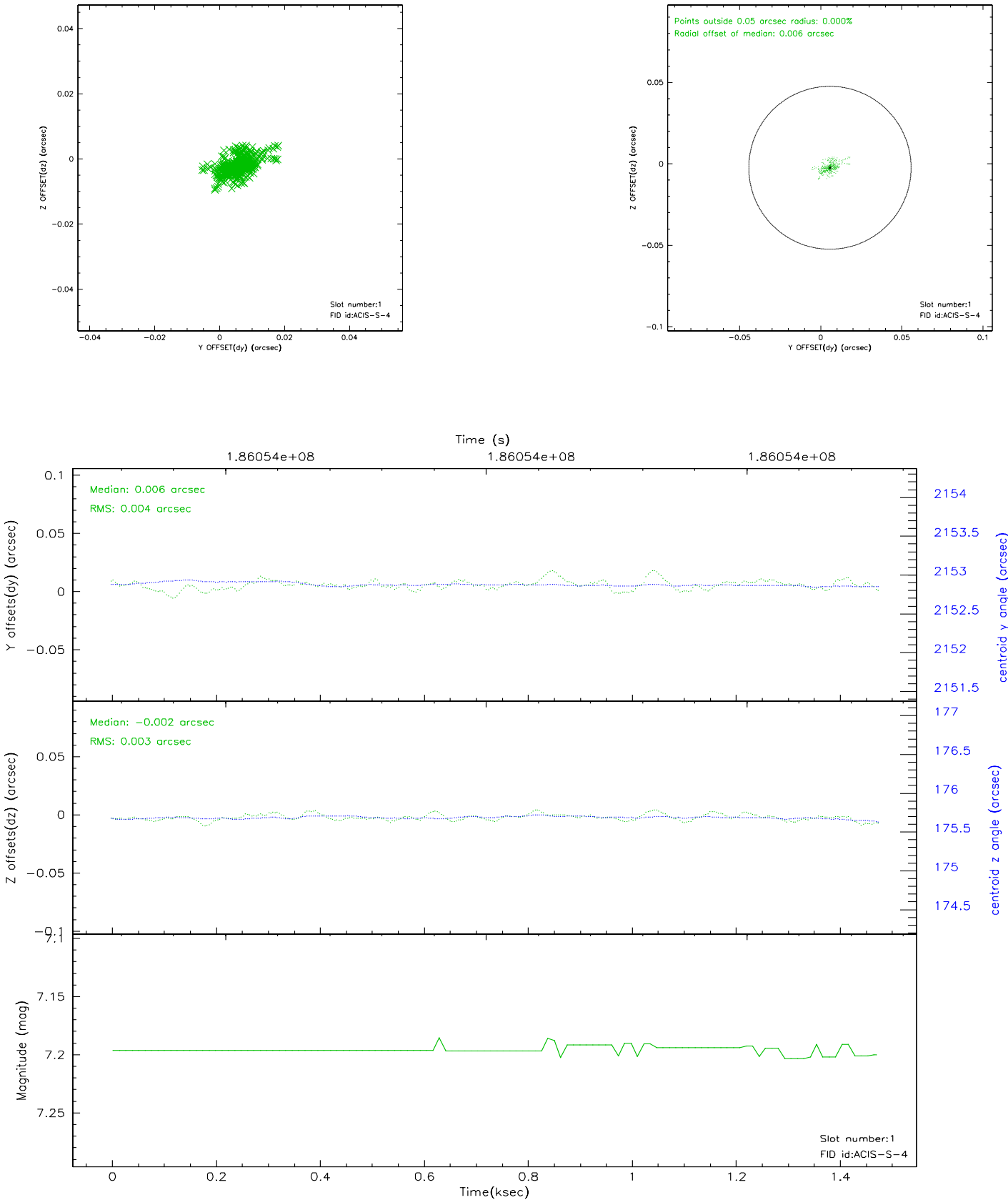


## 2.5 FID Slots

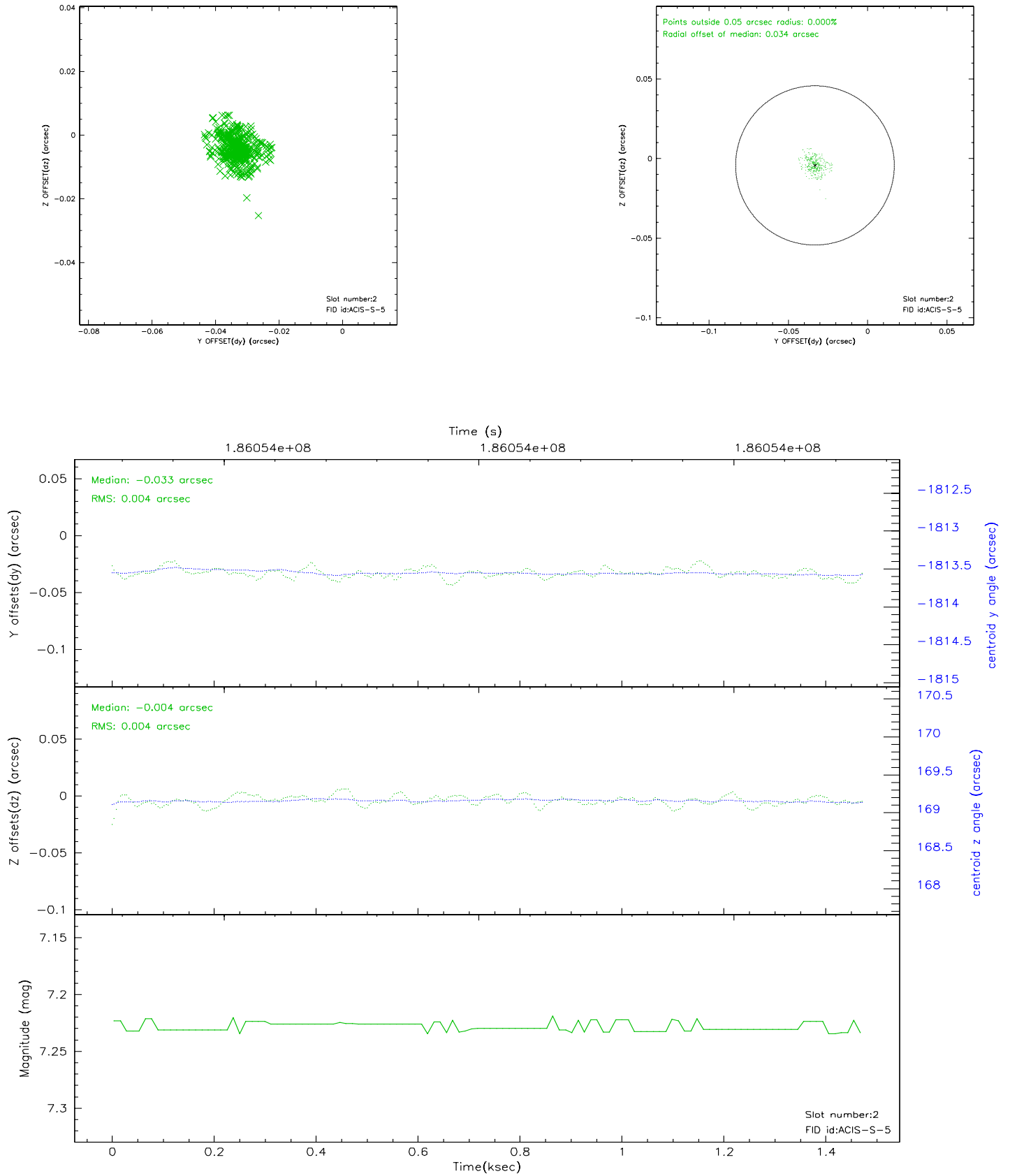
### 2.5.1 Slot 0



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)	2006.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.475

### A.2 Comments