

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 6316 - L2 Version 002  
Chandra X-Ray Center

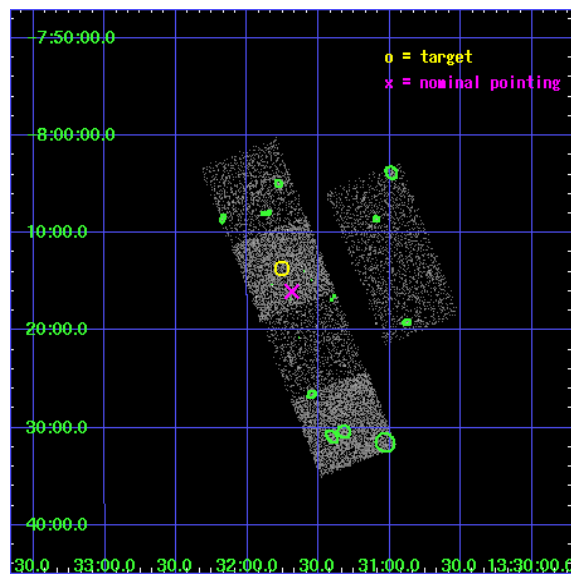
L2 Processing Date : Mar 11 2006

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# 1 Front

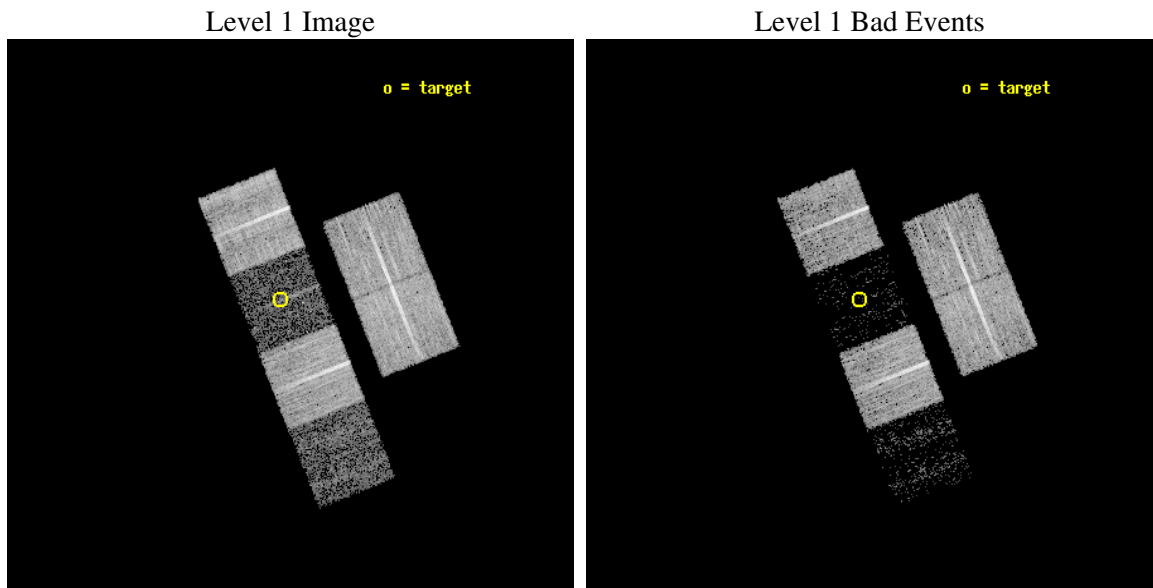
seq_num	100054
obs_id	6316
title	Comet 9P/Tempel 1 During the Deep Impact Encounter
observer	Dr. Carey Lisse
object	9P/Tempel 1
dtcycle	0
cycle	P
ra_targ	202.93924
dec_targ	-8.227905
ra_nom	202.92162242789
dec_nom	-8.2670765307503
roll_nom	248.35035596076
revision	2
ontime	10188.799962044
livetime	10059.783241966
ontime2	10188.799962044
ontime3	10188.799962044
ontime5	10188.799962044
ontime6	10188.799962044
ontime7	10188.799962044
ontime8	10182.318001539
l2events	14504



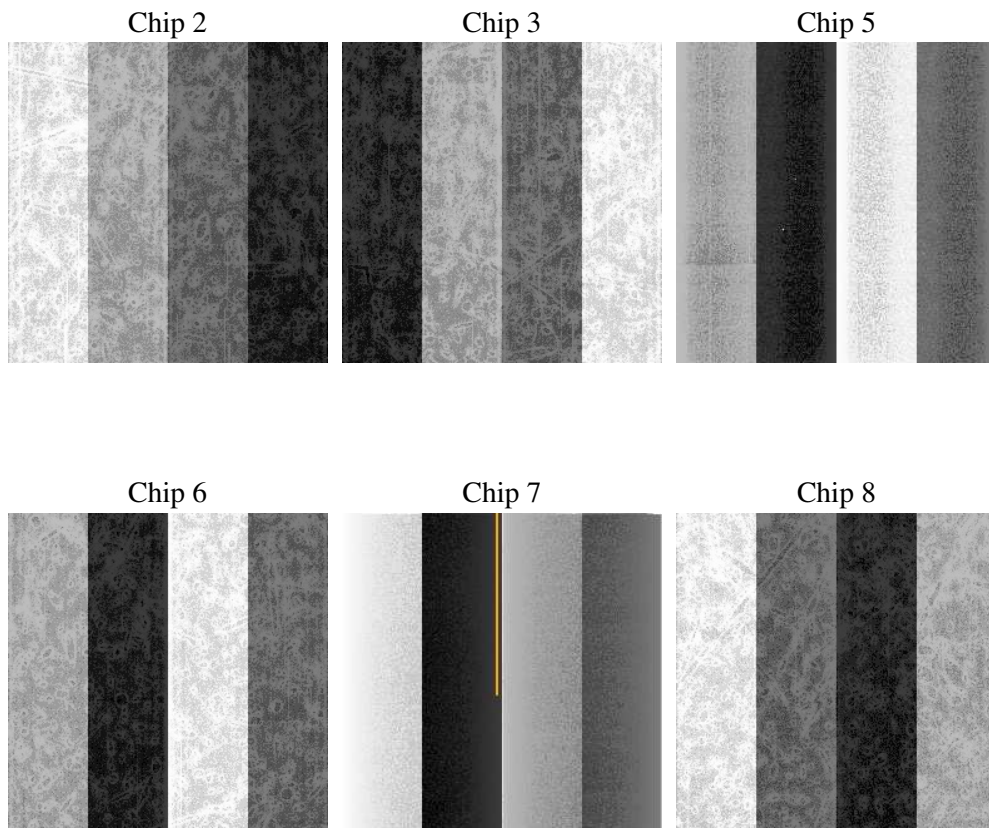
## 2 OBI

### 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	2006-03-12T00:27:28
revision	2

sched_exp_time	10000.000000
ontime	10510.575180322
ontime2	10510.575180322
ontime3	10510.575180322
ontime5	10510.575180322
ontime6	10510.575180322
ontime7	10510.575180322
ontime8	10504.093219817
l1events	209446

### 2.1.4 Events

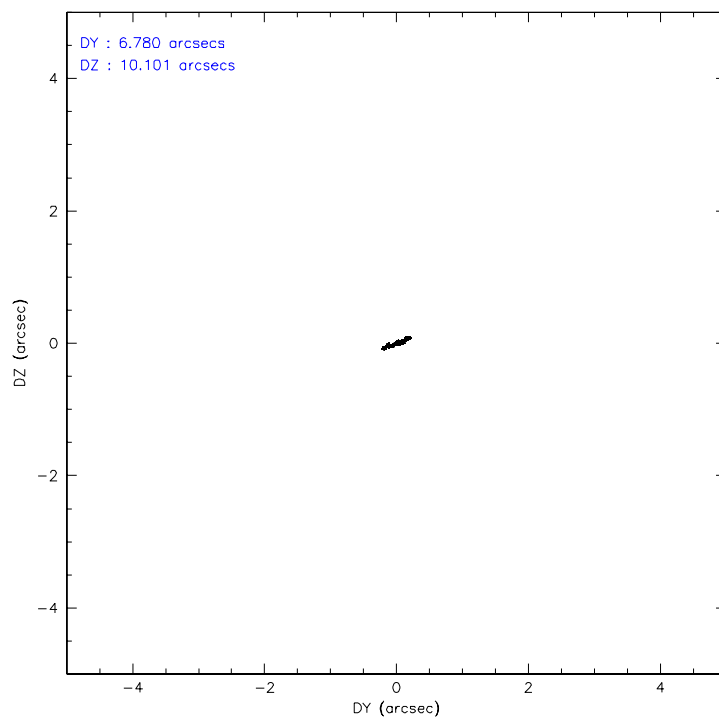
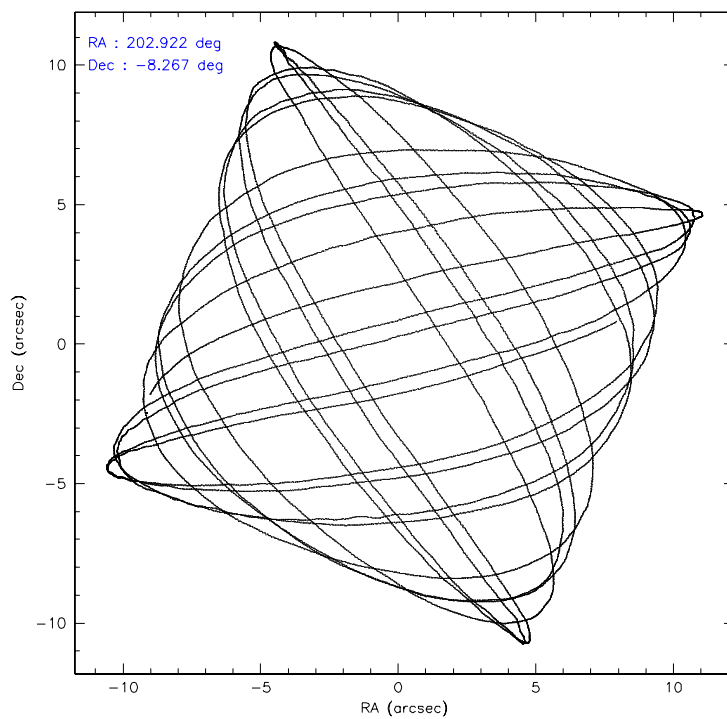
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	51127	45301	7861	46484	6671	52002
rejected events	48916	43772	2835	44457	1614	39416
rejected %	95%	96%	36%	95%	24%	75%

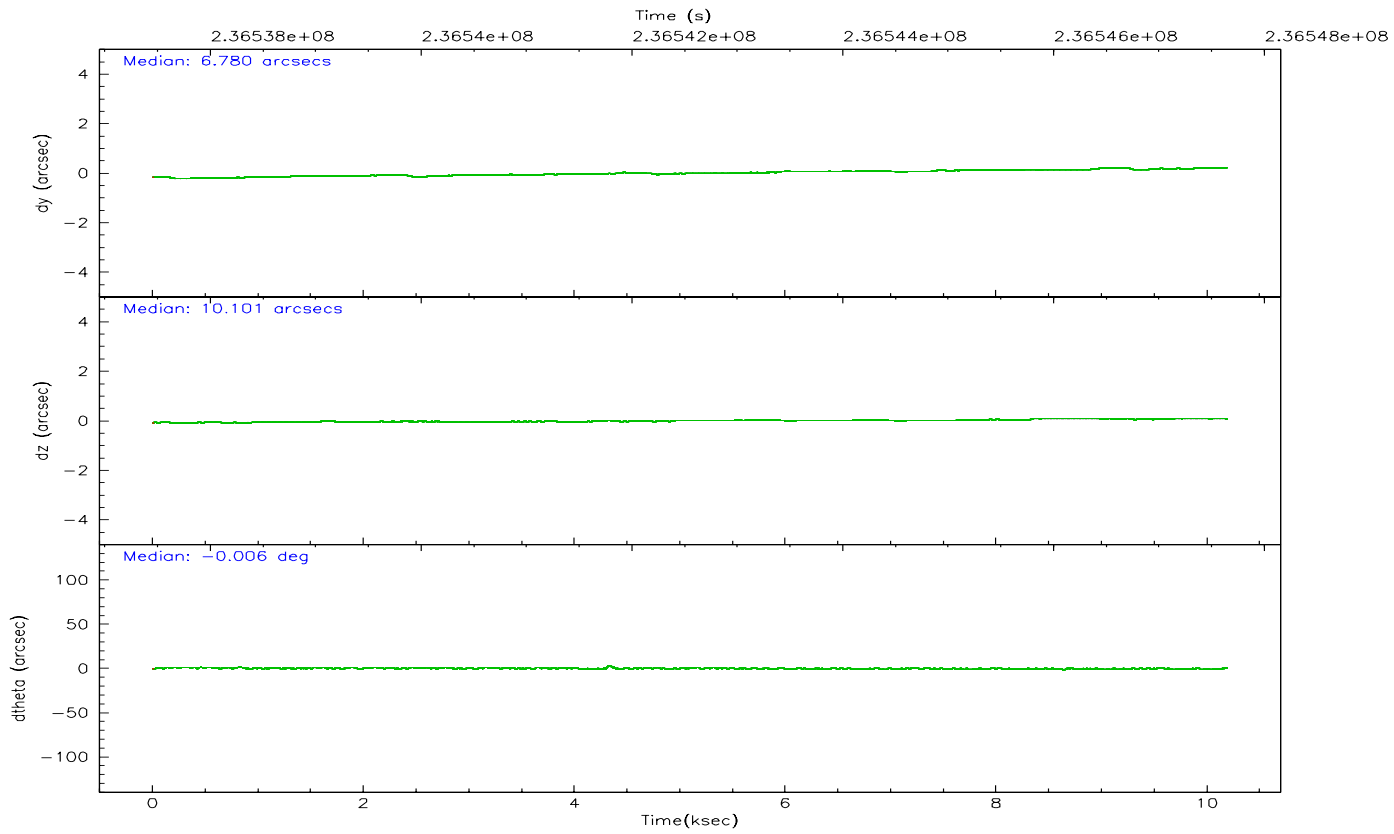
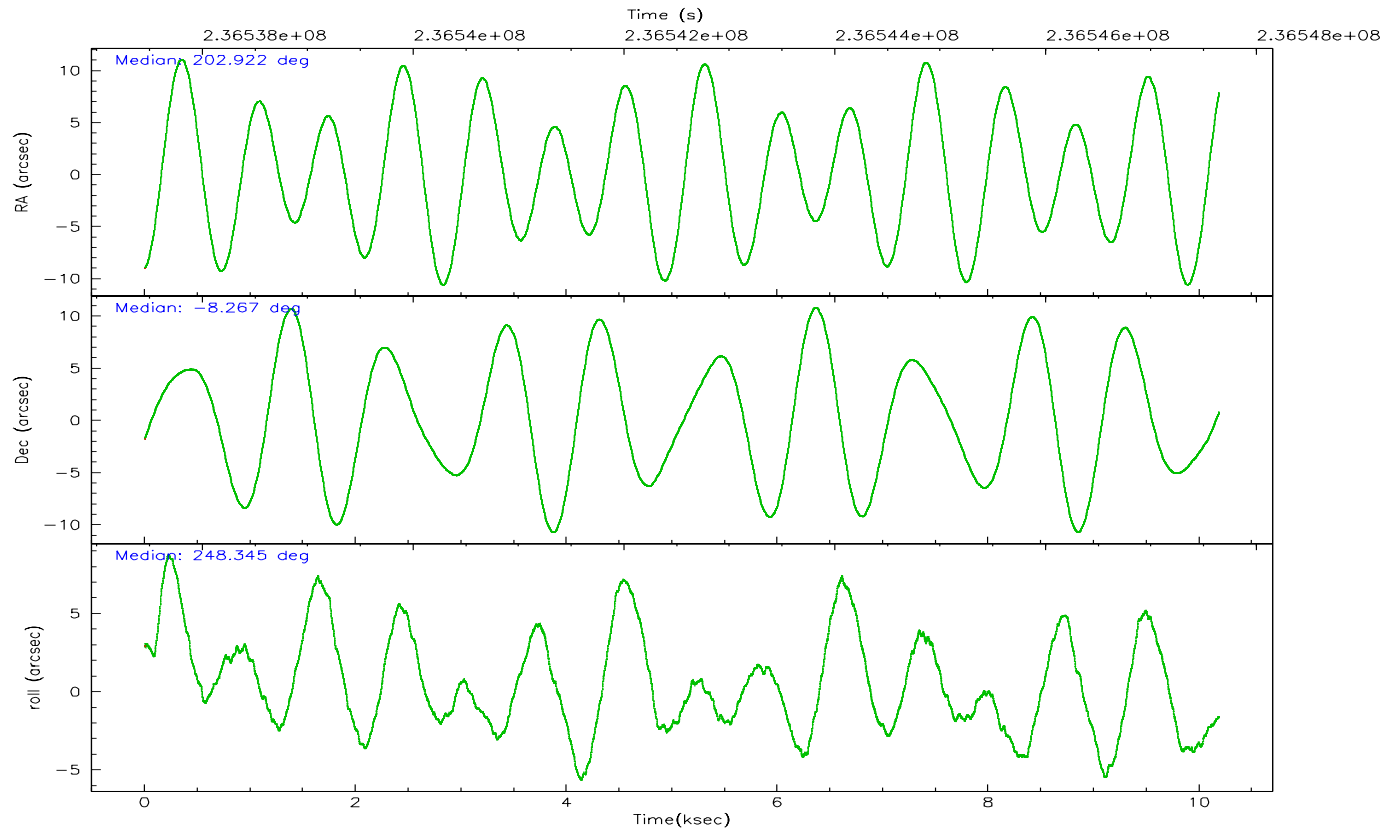
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	962	721	1018	1054	1298	3571
	1%	1%	12%	2%	19%	6%
grade 1 events	18	8	20	13	33	34
	0%	0%	0%	0%	0%	0%
grade 2 events	467	224	2175	360	1784	2905
	0%	0%	27%	0%	26%	5%
grade 3 events	286	288	652	266	727	1421
	0%	0%	8%	0%	10%	2%
grade 4 events	319	236	607	296	736	1307
	0%	0%	7%	0%	11%	2%
grade 5 events	46	35	417	43	170	238
	0%	0%	5%	0%	2%	0%
grade 6 events	240	115	734	112	651	3766
	0%	0%	9%	0%	9%	7%
grade 7 events	48789	43674	2238	44340	1272	38760
	95%	96%	28%	95%	19%	74%

## 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	202.917256	202.921622427889	Alternating exposures requested	N	N
Pointing Dec	-8.240200	-8.267076530750284	Primary exposure time	0.000000	3.2
Pointing Roll	248.193098	248.3503559607563			
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	236537650.184000	236537274.34577			
Observation start date	2005-06-30T16:53:06	2005-06-30T16:47:54			
Observation end time	236547650.184000	236547784.18375			
Observation end date	2005-06-30T19:39:46	2005-06-30T19:43:04			
Read mode	TIMED	TIMED			

## 2.3 Aspect



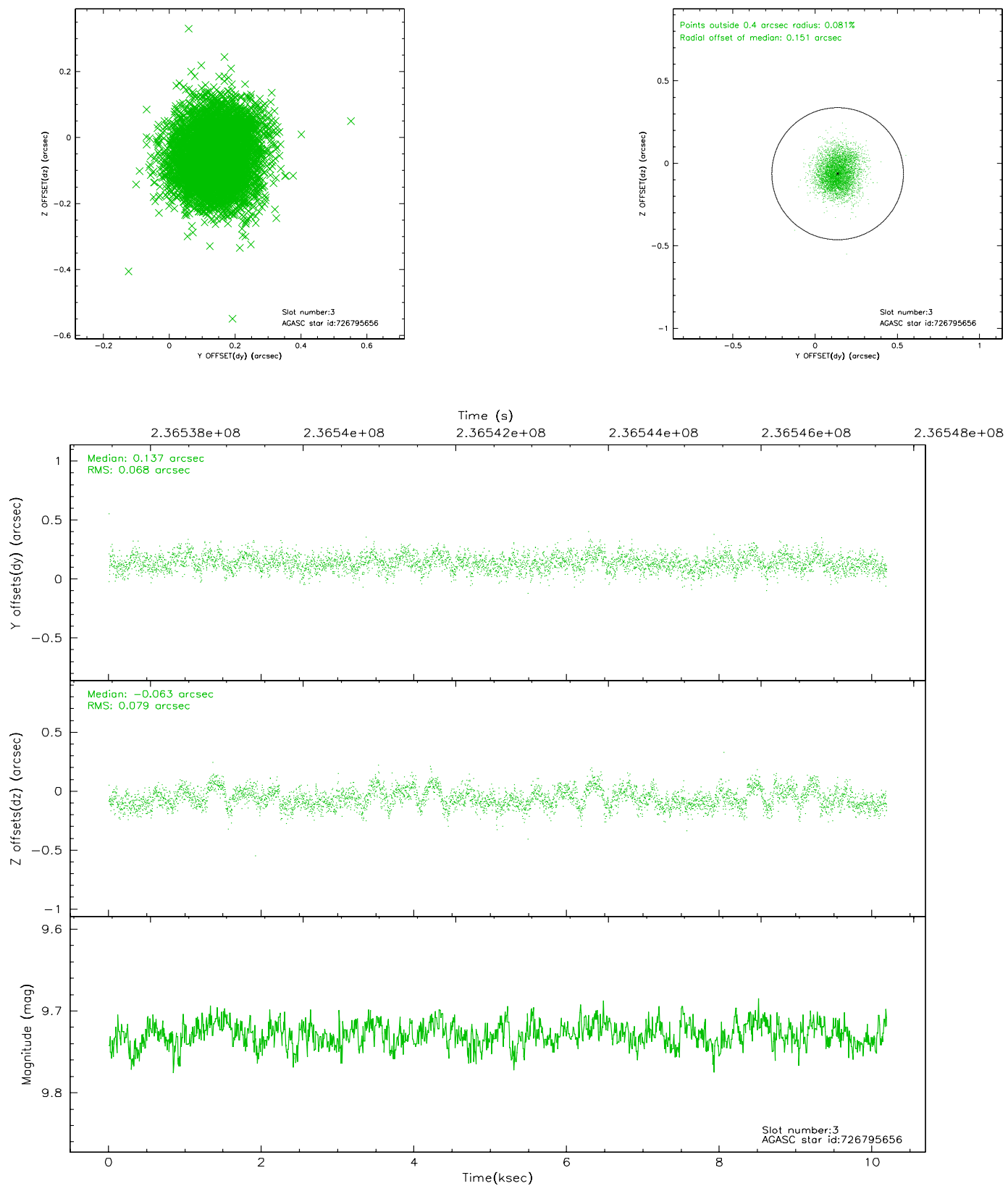


### Slot Statistics

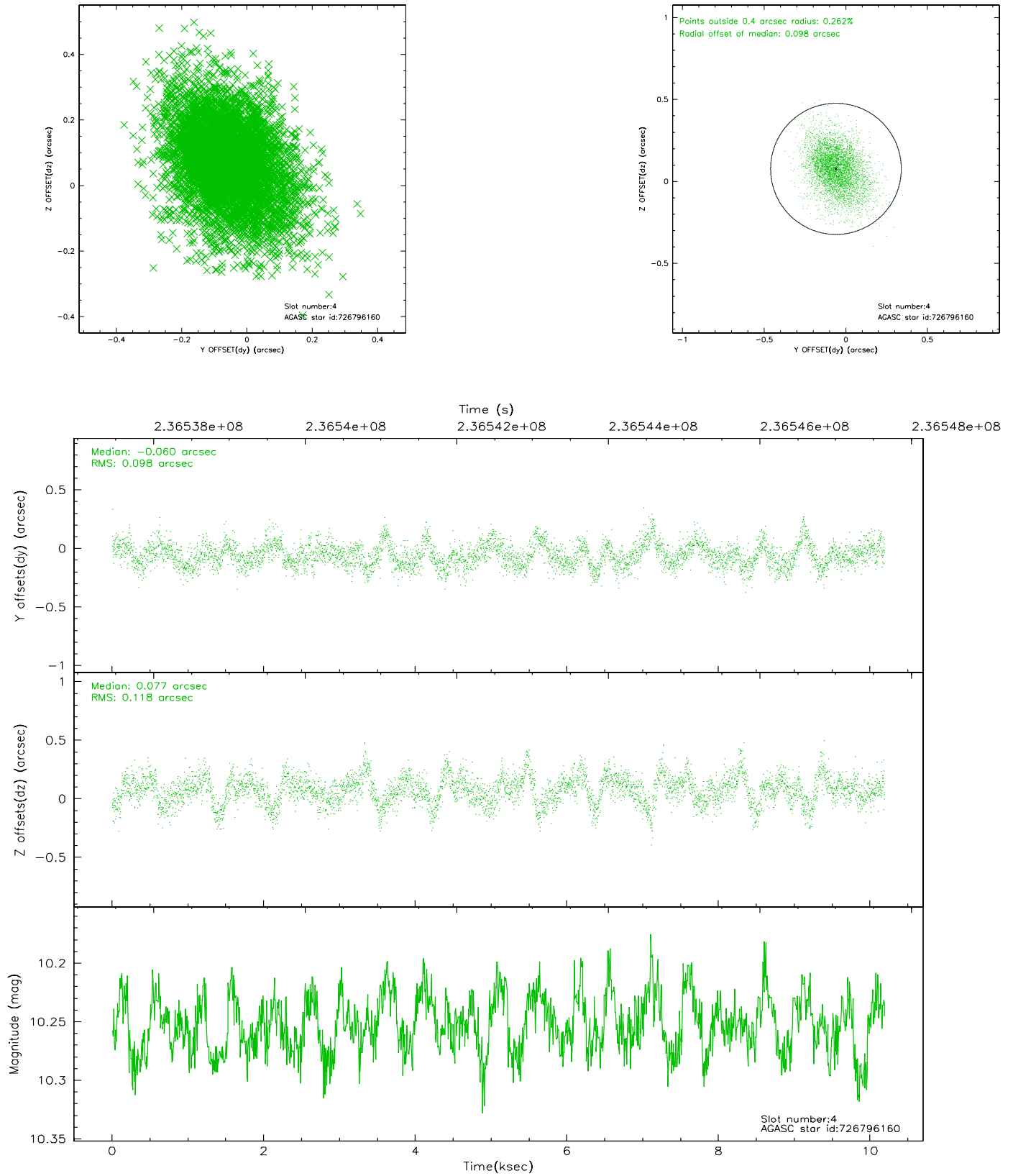
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	2486	0.010	-0.017	0.008	0.014	0.000000	0.000000	936.52	-1726.99
1	FID	ACIS-S-5	7.24	2486	-0.042	0.008	0.006	0.010	0.000000	0.000000	-1812.24	170.05
2	FID	ACIS-S-6	7.35	2486	0.011	0.020	0.008	0.013	0.000000	0.000000	401.51	814.61
3	GUIDE	726795656	9.73	4964	0.137	-0.063	0.111	0.177	202.576235	-8.591995	1627.78	-656.08
4	GUIDE	726796160	10.25	4964	-0.060	0.077	0.160	0.275	203.337231	-8.169596	-790.73	1295.45
5	GUIDE	726799000	10.10	4954	0.264	-0.112	0.140	0.230	202.090075	-8.567627	2191.83	-2294.41
6	GUIDE	726800704	9.03	4968	-0.346	0.079	0.098	0.153	202.986094	-7.587280	-2272.98	-645.61
7	GUIDE	726800992	9.58	4955	0.008	0.019	0.113	0.184	202.715522	-8.788144	2098.09	66.79

## 2.4 Star Slots

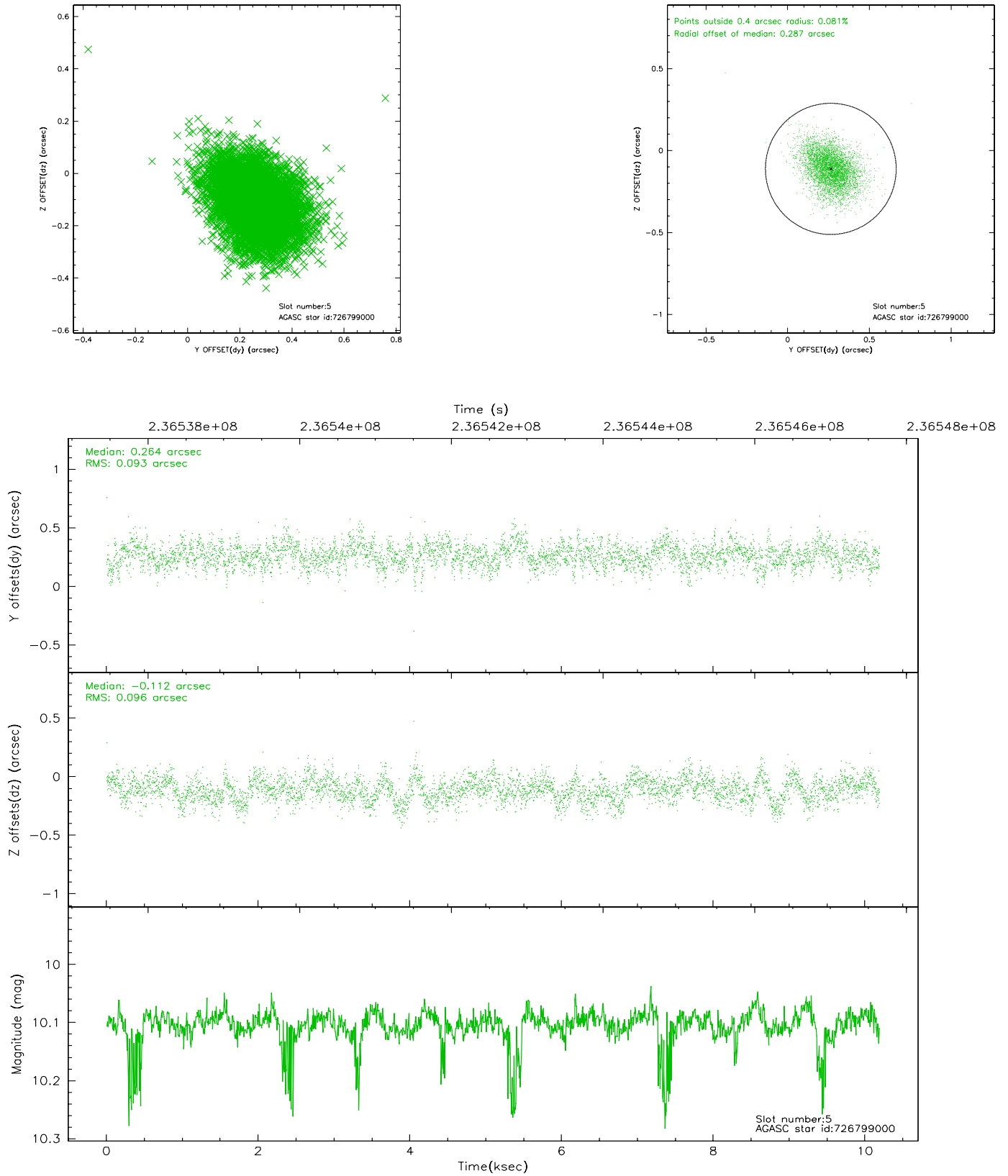
### 2.4.1 Slot 3



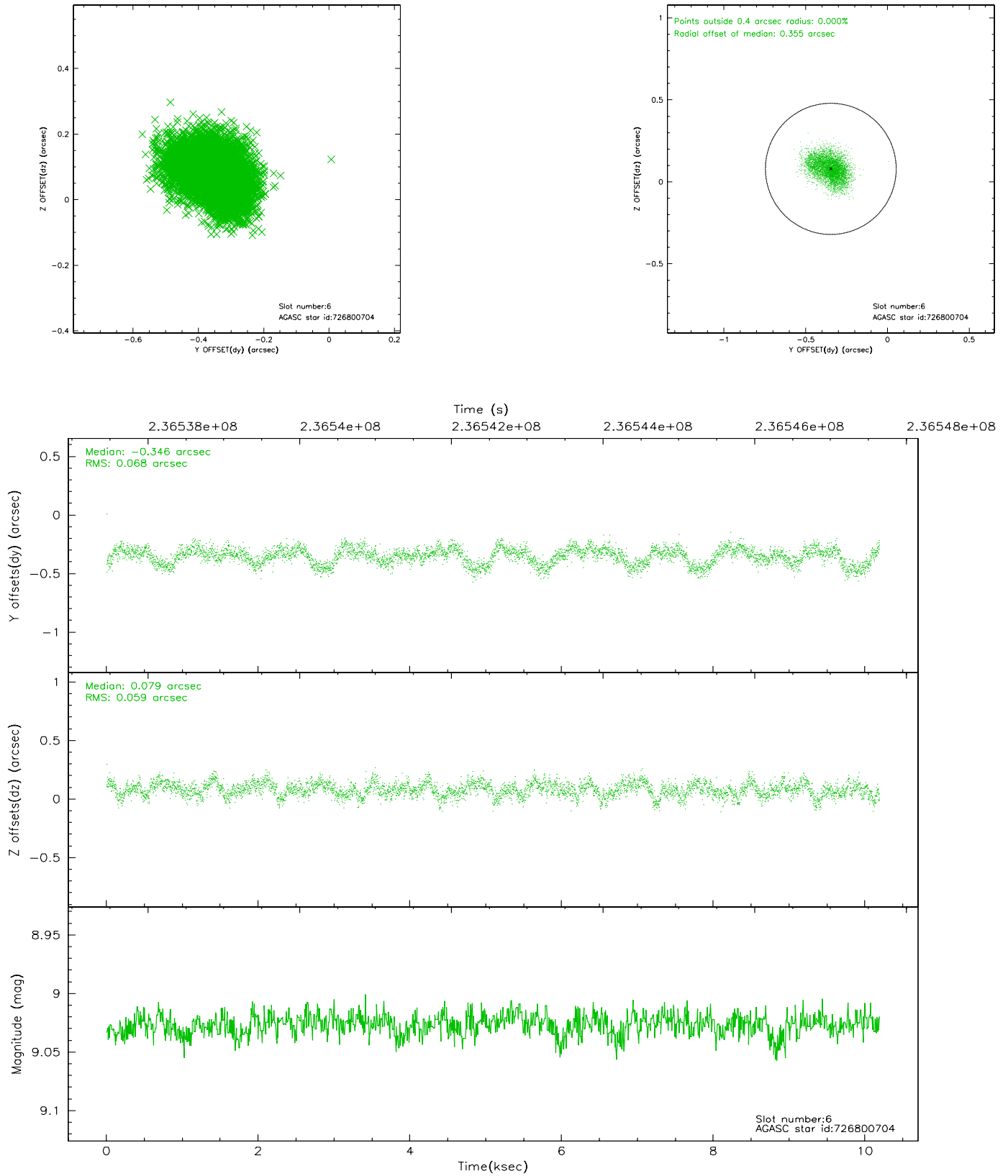
## 2.4.2 Slot 4



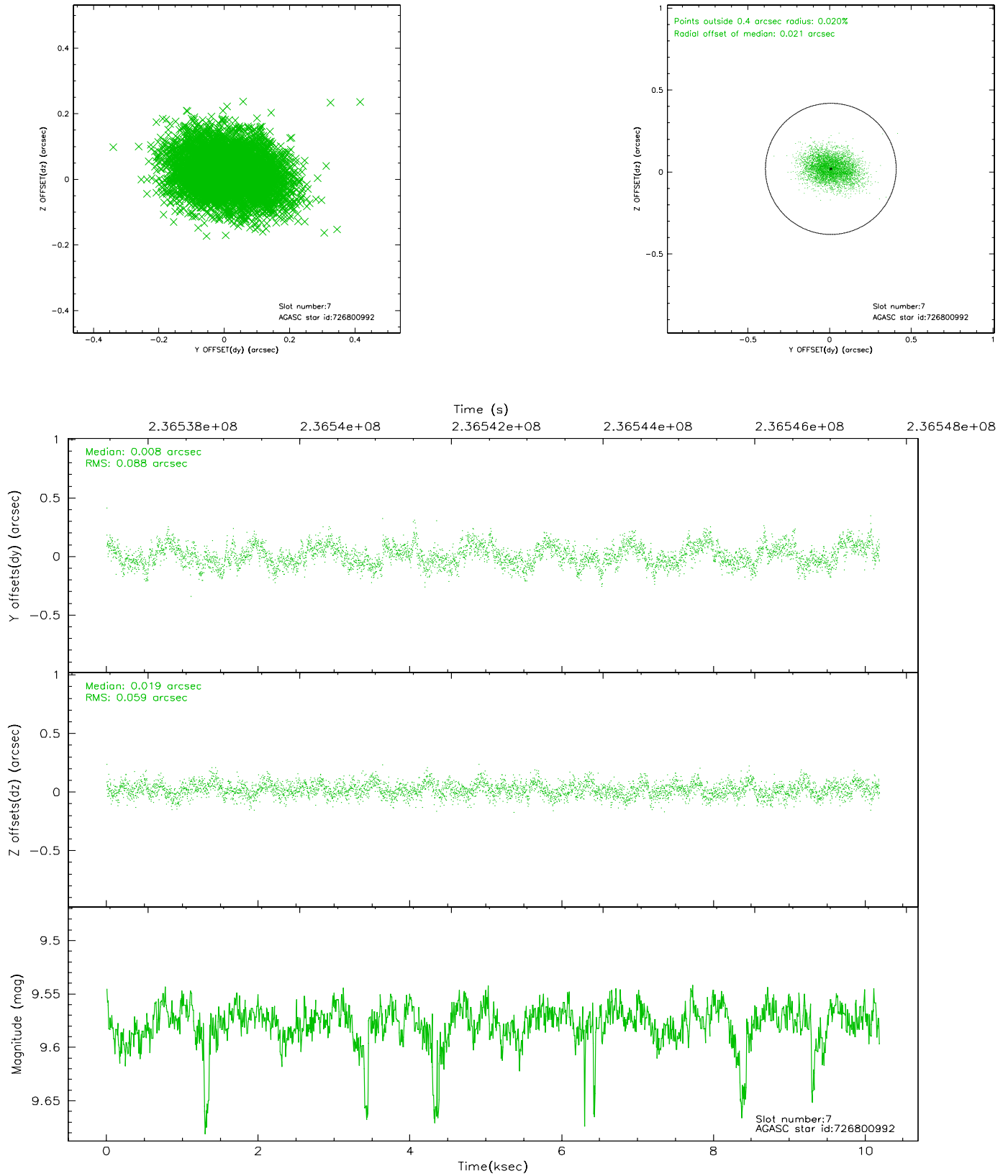
### 2.4.3 Slot 5



## 2.4.4 Slot 6

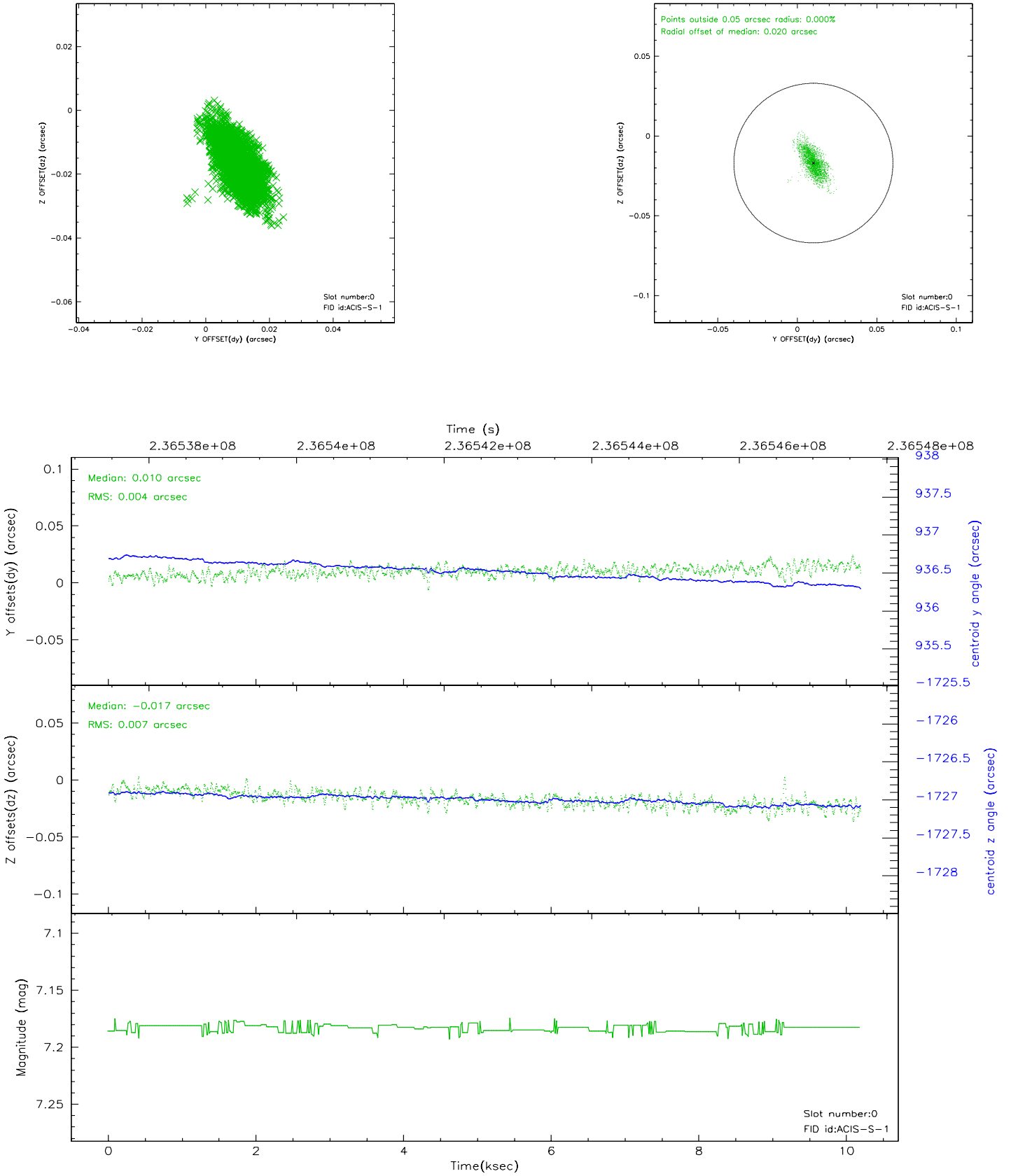


## 2.4.5 Slot 7

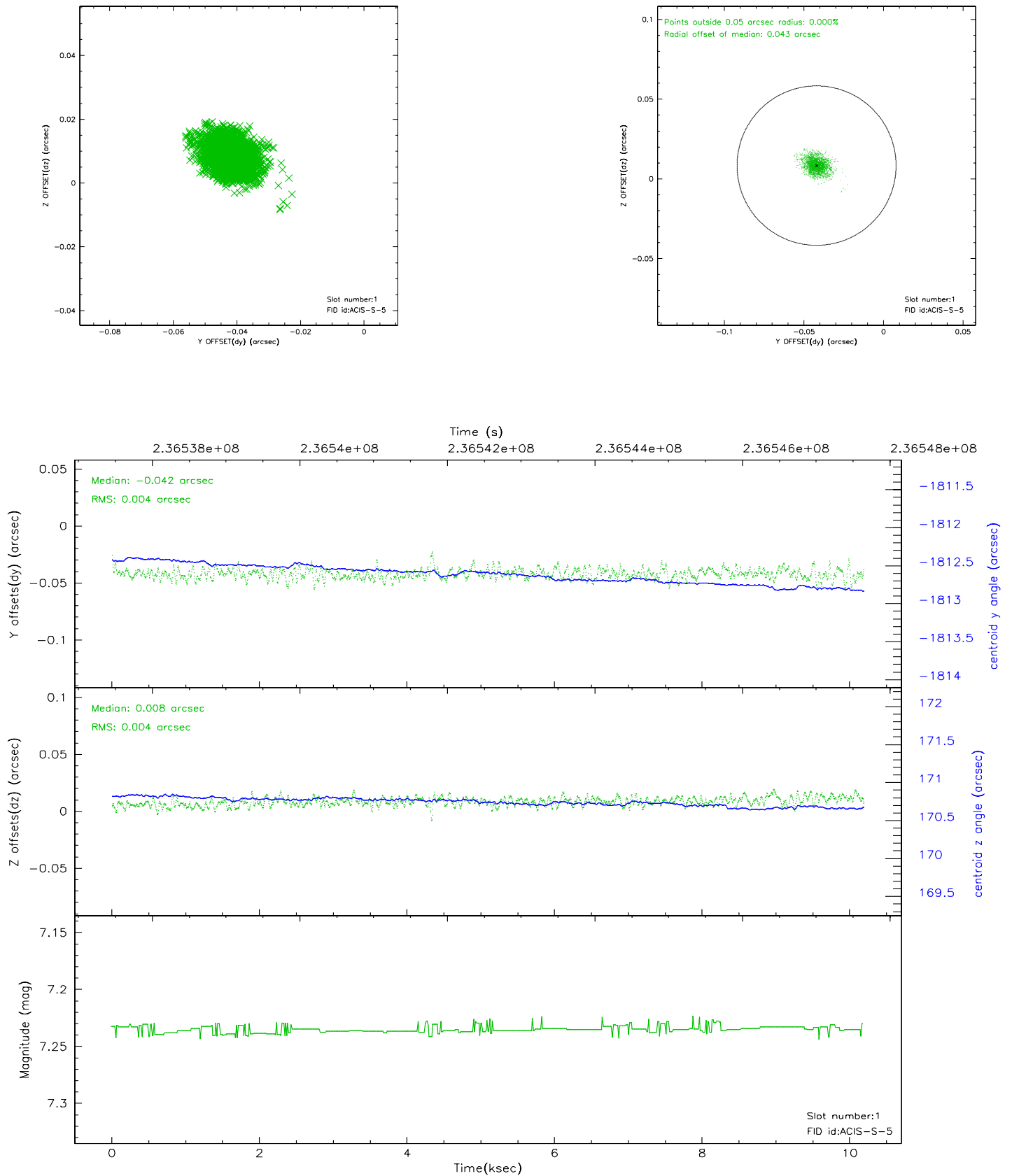


## 2.5 FID Slots

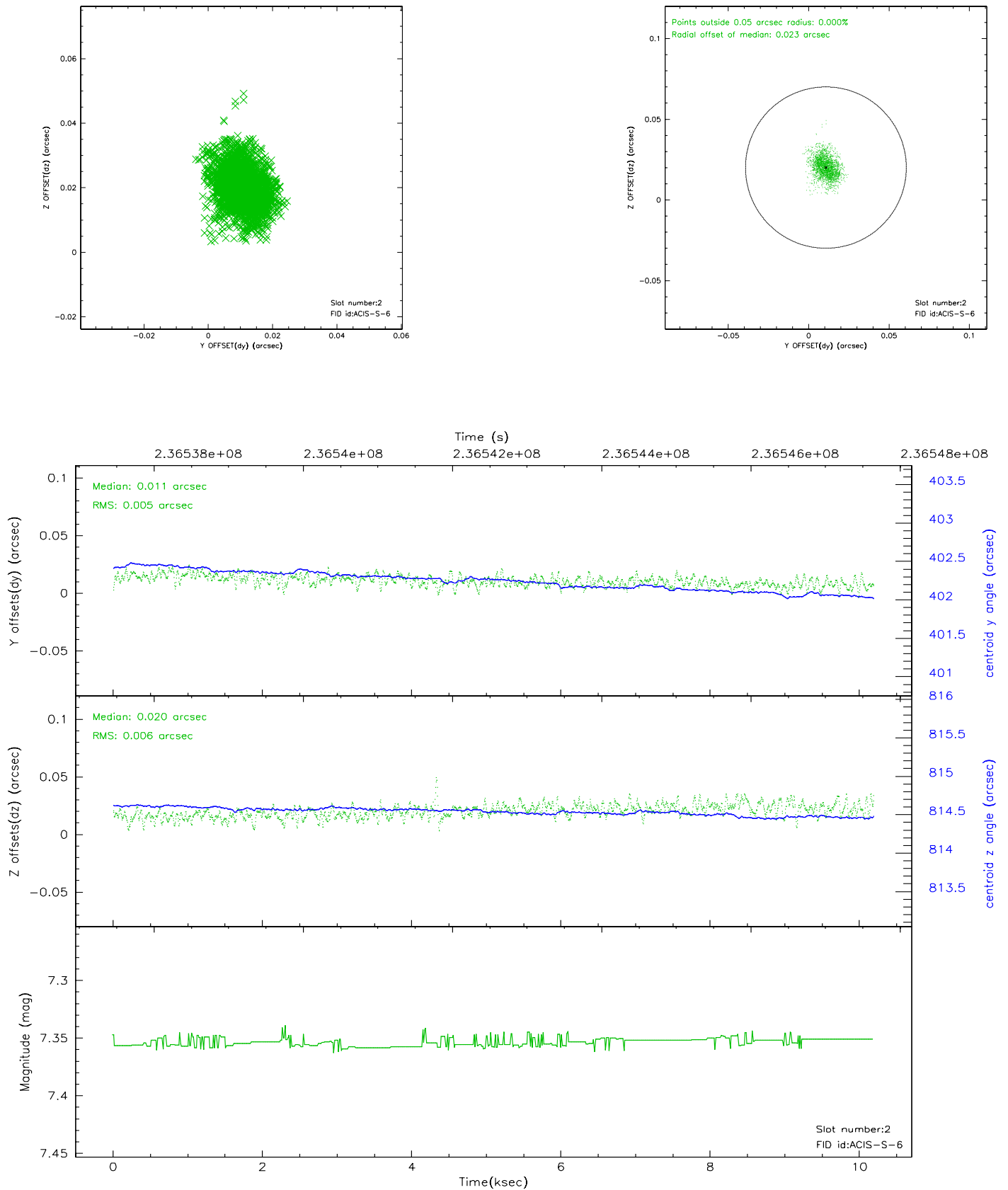
### 2.5.1 Slot 0



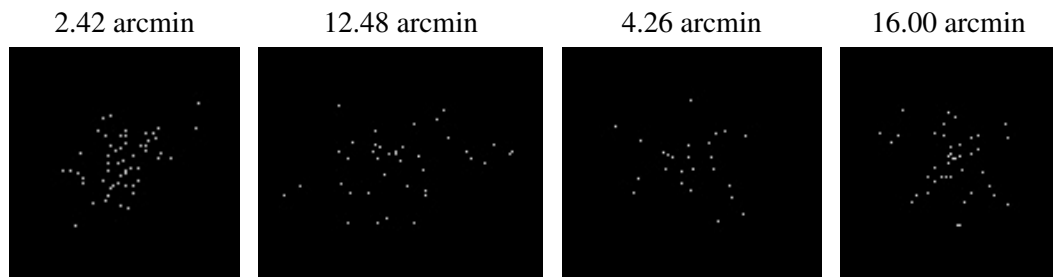
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.18879

### A.2 Comments