

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 4987 - L2 Version 002  
Chandra X-Ray Center

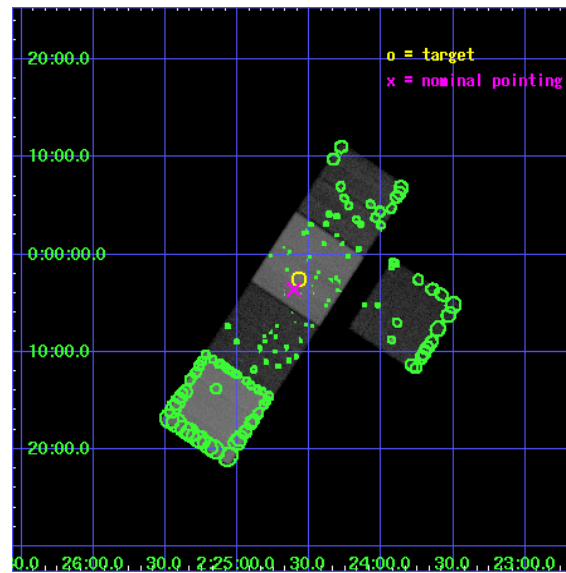
L2 Processing Date : Apr 8 2006

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# 1 Front

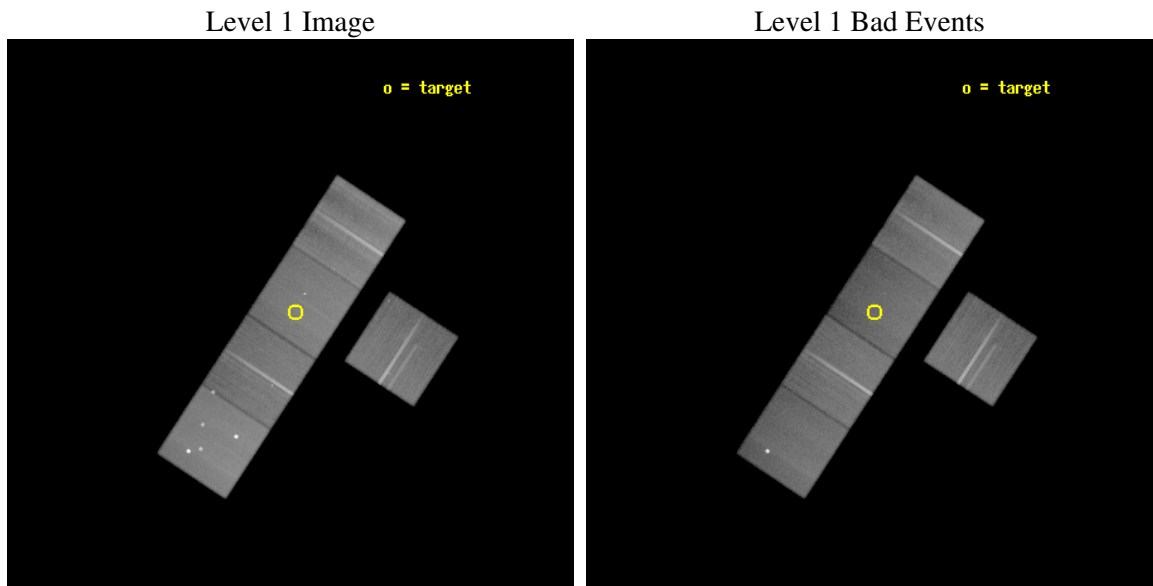
seq_num	800430
obs_id	4987
title	Multiple Strong Lensing Clusters from the RCS Survey
observer	Dr. Erica Ellingson
object	RCS0224-0002
dtcycle	0
cycle	P
ra_targ	36.142083
dec_targ	-0.041917
ra_nom	36.151973424462
dec_nom	-0.060151617127293
roll_nom	303.25754472008
revision	2
ontime	90151.099826664
livetime	88973.209339154
ontime3	90129.112924933
ontime5	90151.099826664
ontime6	90129.112894863
ontime7	90151.099826664
ontime8	90141.676826149
l2events	766499



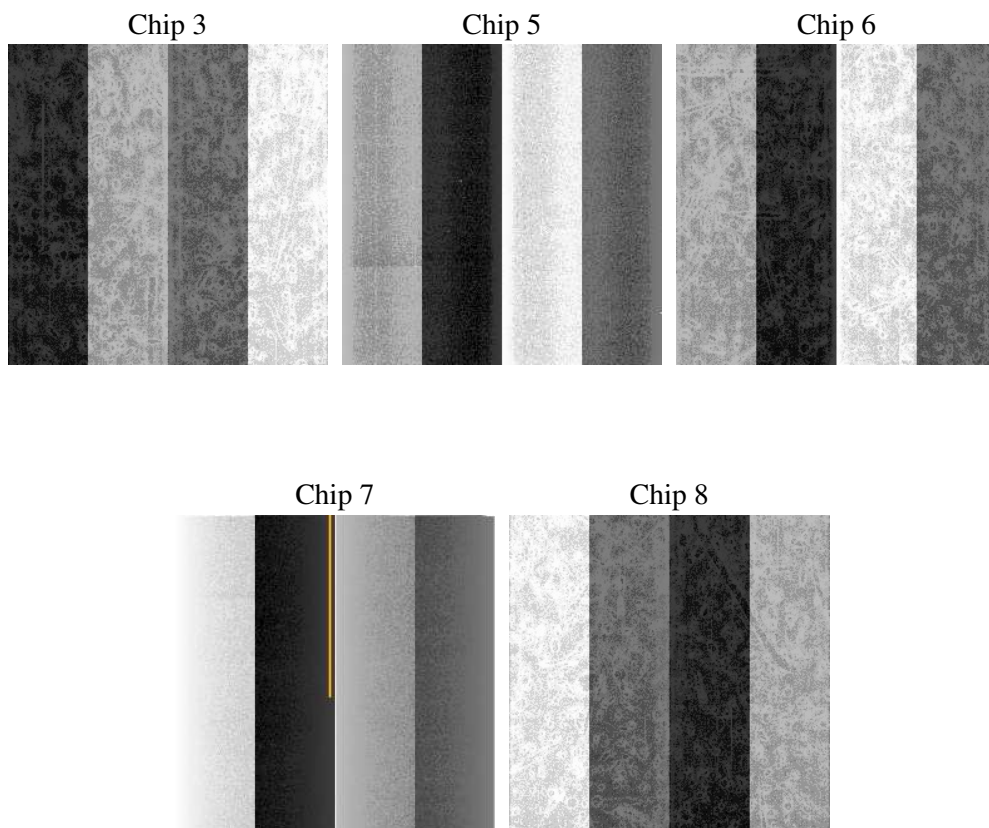
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-08T20:45:12
revision	2

sched_exp_time	90000.000000
ontime	90382.641625881
ontime3	90360.654684335
ontime5	90382.641625881
ontime6	90360.654674172
ontime7	90382.641625881
ontime8	90373.218605459
l1events	3344293

### 2.1.4 Events

	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	565632	818305	587204	637388	735764
rejected events	513199	419946	527088	369569	565038
rejected %	90%	51%	89%	57%	76%

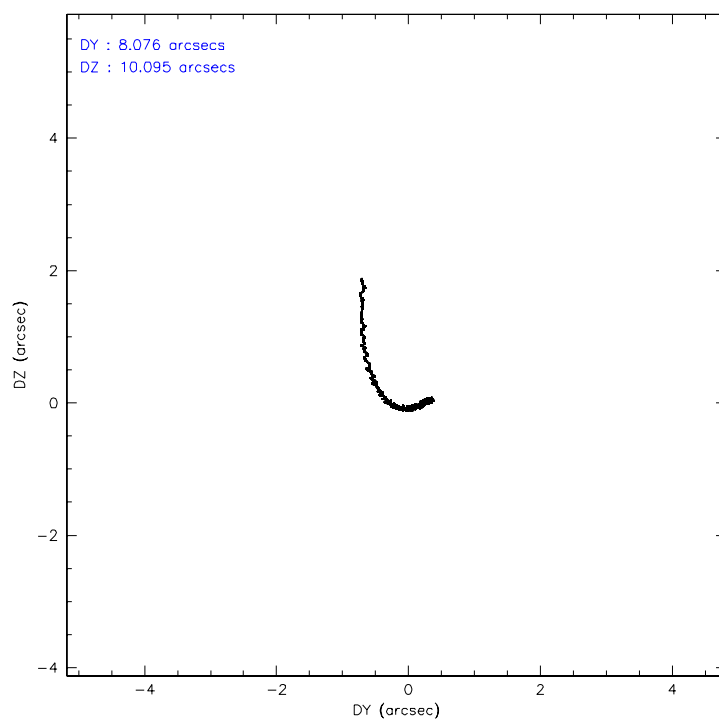
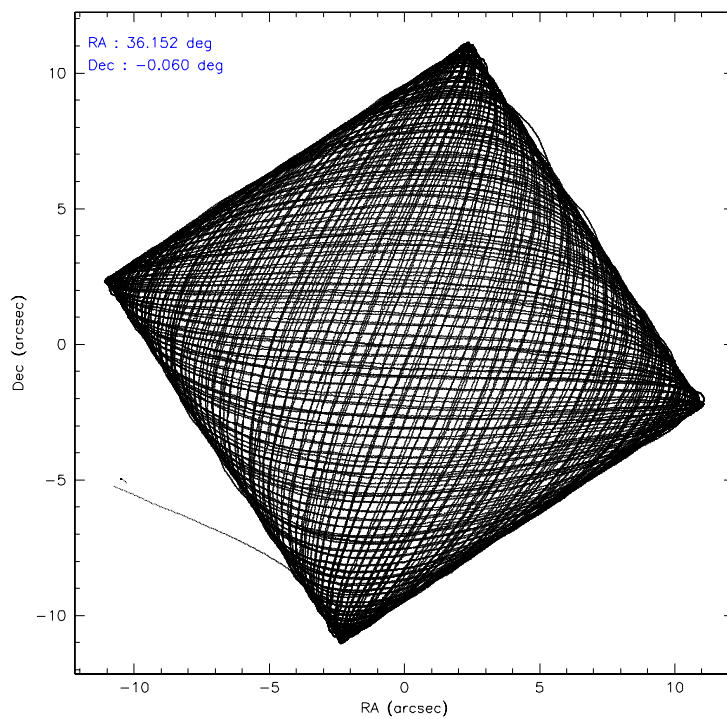
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	18257	49641	21331	17391	52101
	3%	6%	3%	2%	7%
grade 1 events	274	621	286	366	535
	0%	0%	0%	0%	0%
grade 2 events	11373	122377	12879	66619	37910
	2%	14%	2%	10%	5%
grade 3 events	6112	9449	6696	15896	18874
	1%	1%	1%	2%	2%
grade 4 events	6338	9124	6683	15672	17525
	1%	1%	1%	2%	2%
grade 5 events	22010	45740	23286	48446	32965
	3%	5%	3%	7%	4%
grade 6 events	10479	208759	12664	152944	44774
	1%	25%	2%	23%	6%
grade 7 events	490789	372594	503379	320054	531080
	86%	45%	85%	50%	72%

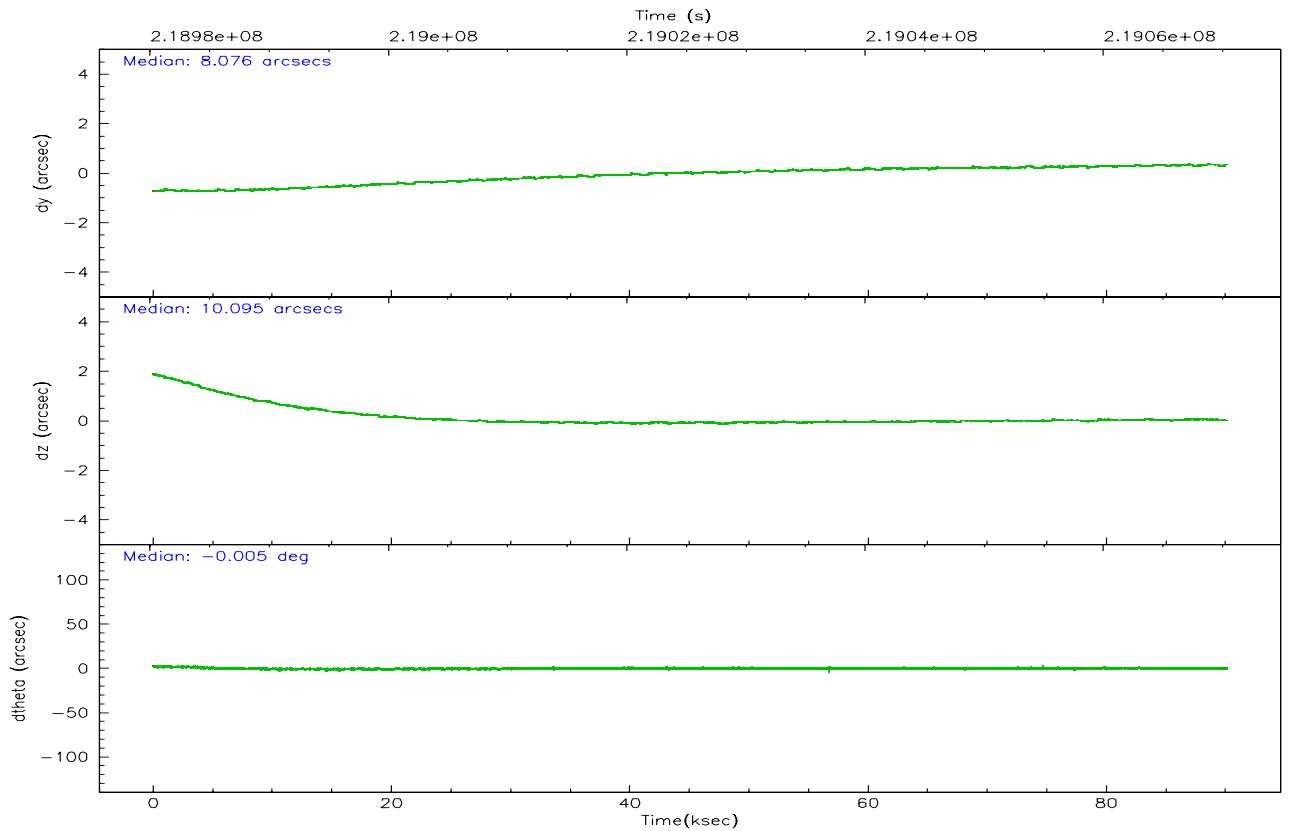
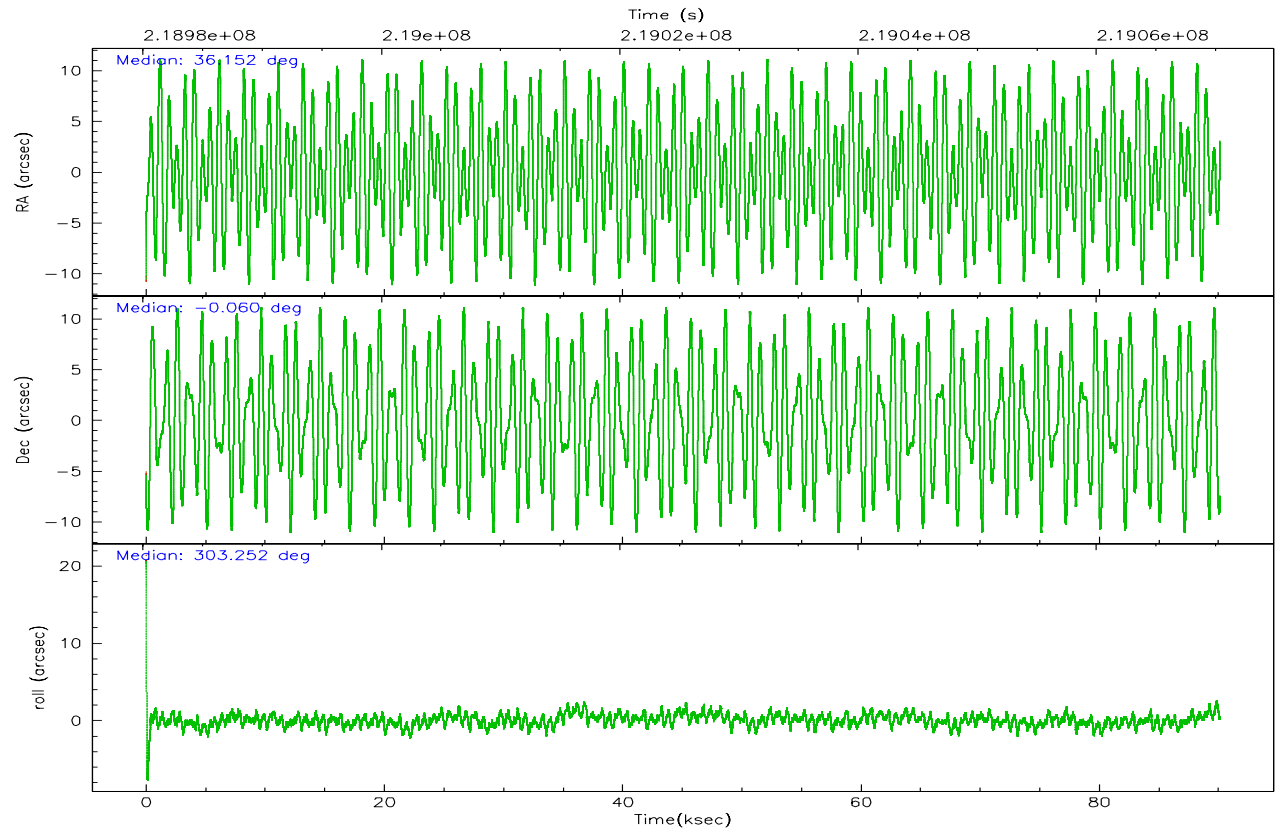


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-35678	ACIS-35678	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	36.127497	36.15197342446246	Alternating exposures requested	N	N
Pointing Dec	-0.048243	-0.06015161712729339	Primary exposure time	0.000000	3.1
Pointing Roll	303.100888	303.2575447200829			
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	218980390.184000	218979291.58689			
Observation start date	2004-12-09T11:52:06	2004-12-09T11:34:51			
Observation end time	219070390.184000	219071746.59105			
Observation end date	2004-12-10T12:52:06	2004-12-10T13:15:46			
Read mode	TIMED	TIMED			

## 2.3 Aspect



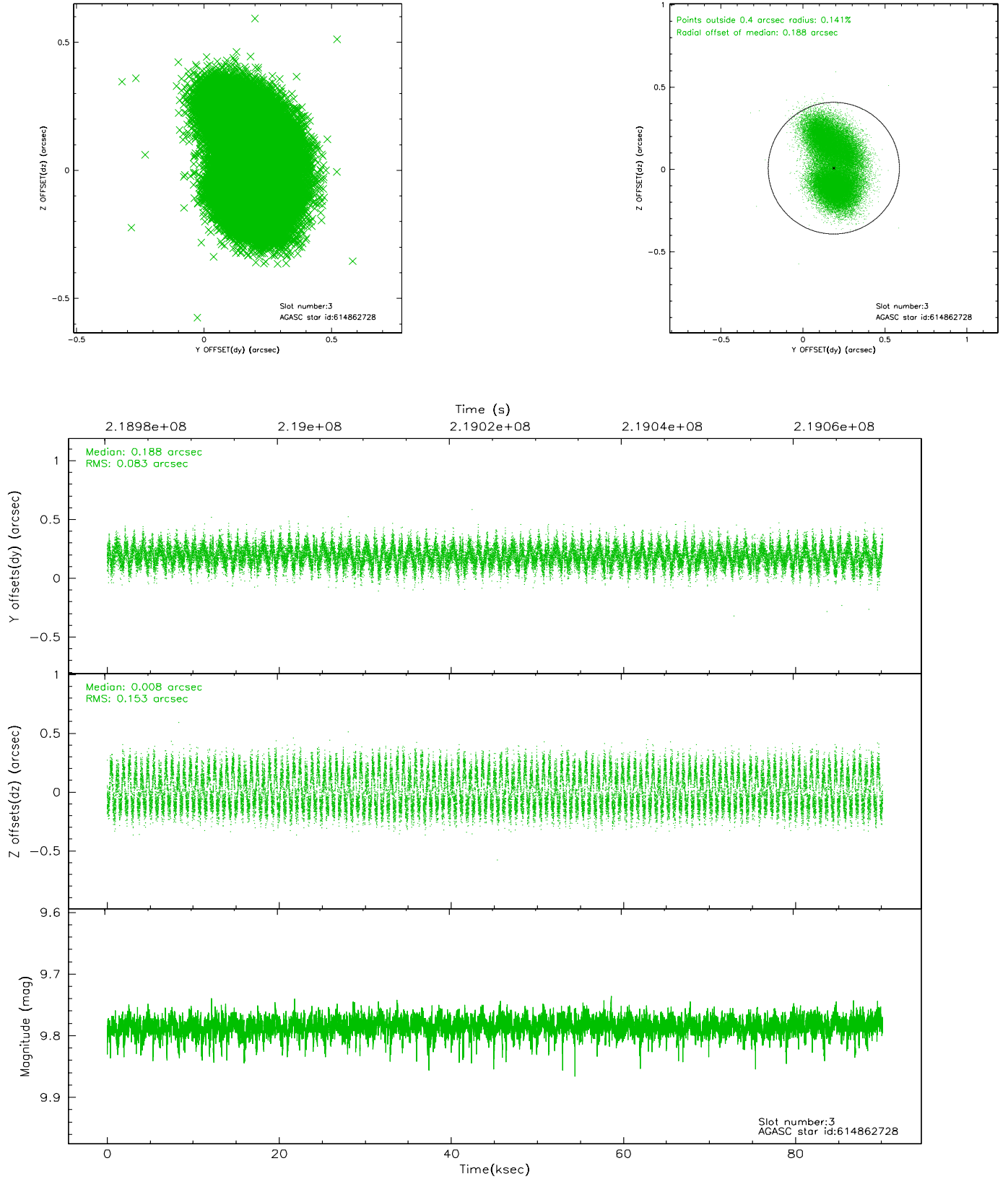


### Slot Statistics

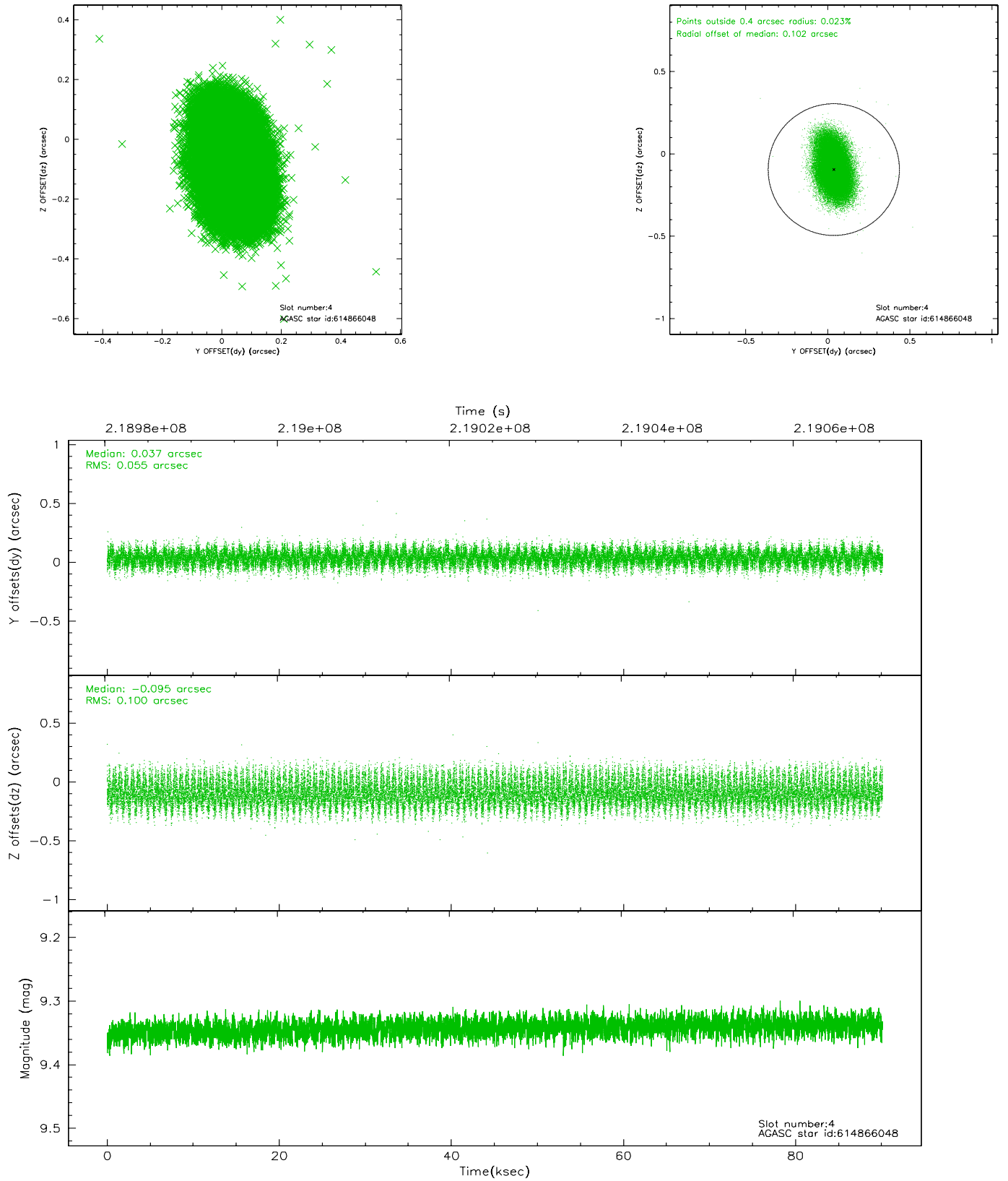
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	21989	-0.006	0.002	0.009	0.016	0.000000	0.000000	-760.72	-1731.54
1	FID	ACIS-S-5	7.24	21989	-0.046	-0.005	0.017	0.035	0.000000	0.000000	-1813.89	170.49
2	FID	ACIS-S-6	7.35	21989	0.027	0.011	0.014	0.031	0.000000	0.000000	400.94	814.37
3	GUIDE	614862728	9.78	43933	0.188	0.008	0.187	0.287	35.909838	-0.641014	1360.70	-1821.34
4	GUIDE	614866048	9.34	43945	0.037	-0.095	0.121	0.202	35.542724	-0.257167	-518.84	-2174.08
5	GUIDE	614866304	8.61	43898	0.040	0.023	0.075	0.117	35.871551	-0.547495	1003.06	-1752.98
6	GUIDE	614866712	7.22	43975	-0.141	-0.095	0.060	0.094	35.418483	-0.148629	-1090.73	-2335.62
7	GUIDE	5120184	8.87	43955	-0.123	0.140	0.072	0.118	35.687918	0.425094	-2291.39	-395.02

## 2.4 Star Slots

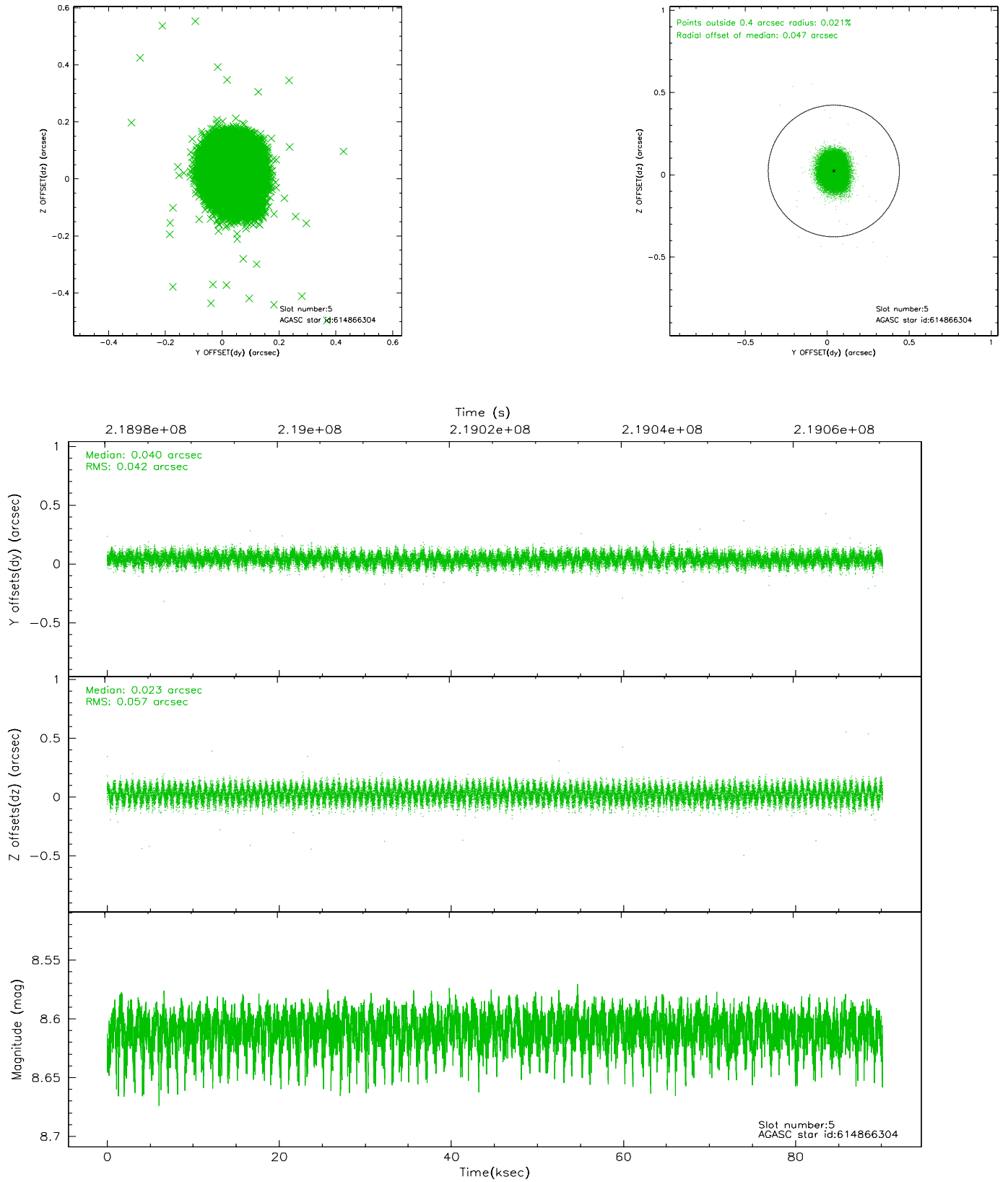
### 2.4.1 Slot 3



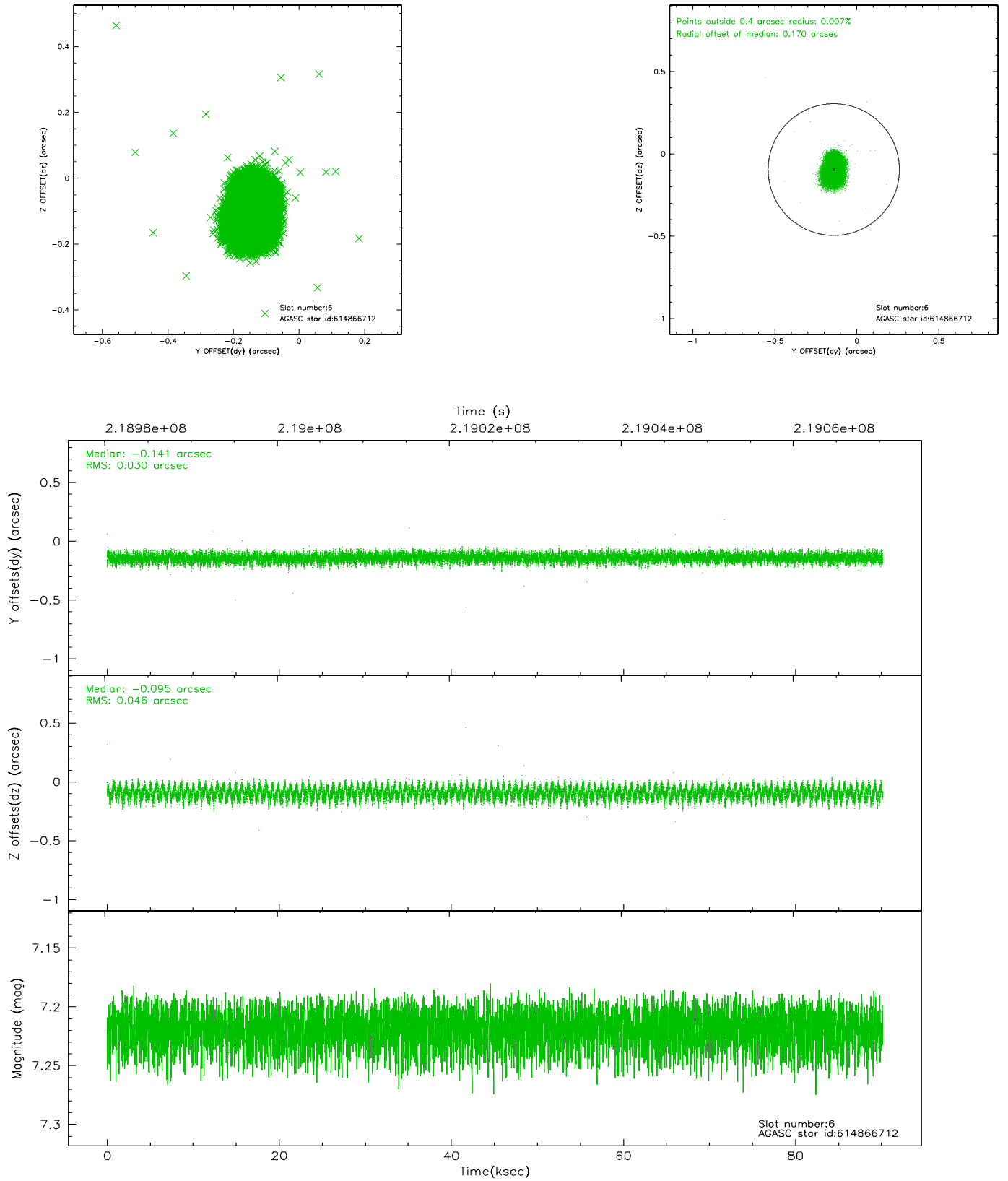
## 2.4.2 Slot 4



### 2.4.3 Slot 5

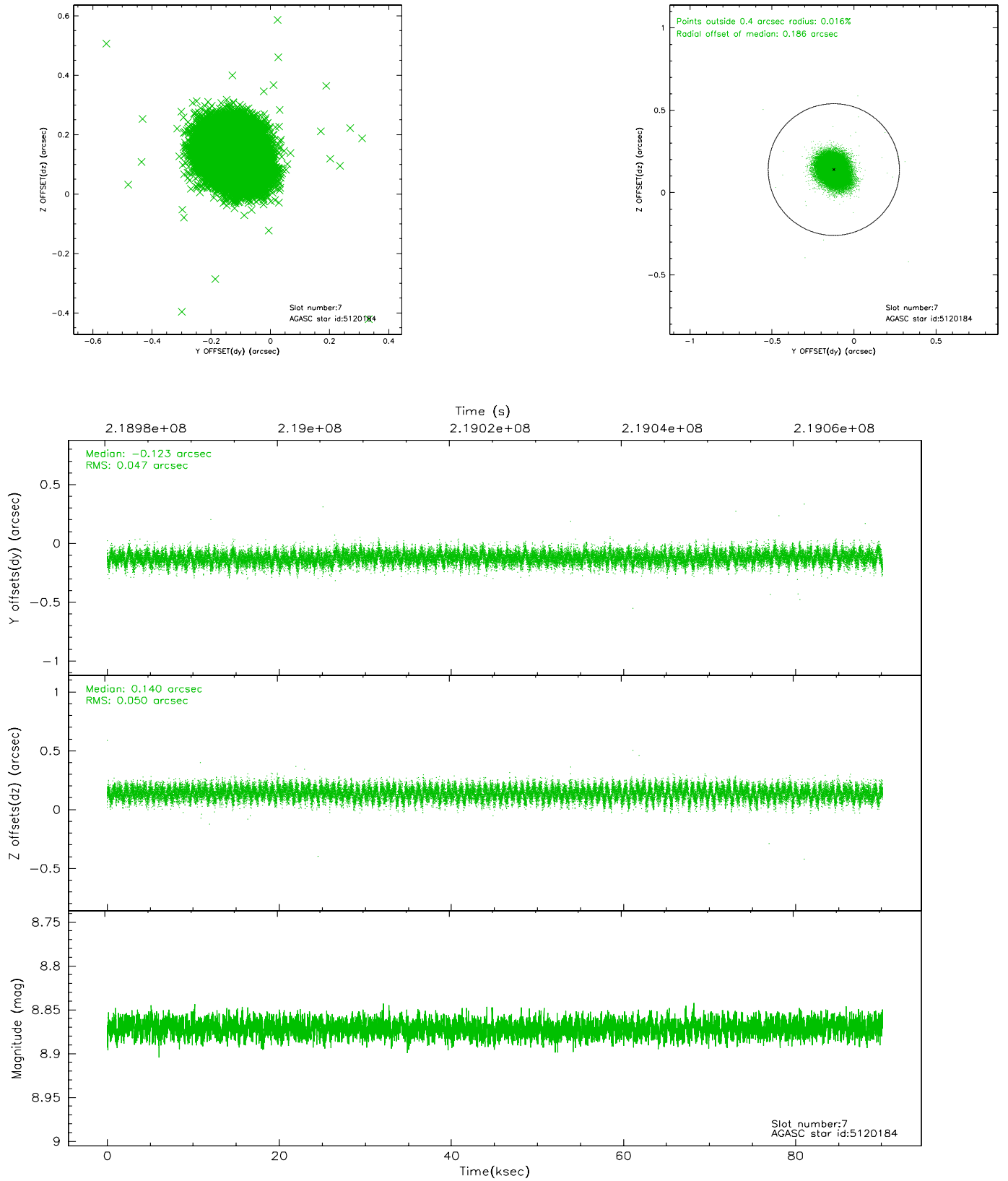


## 2.4.4 Slot 6



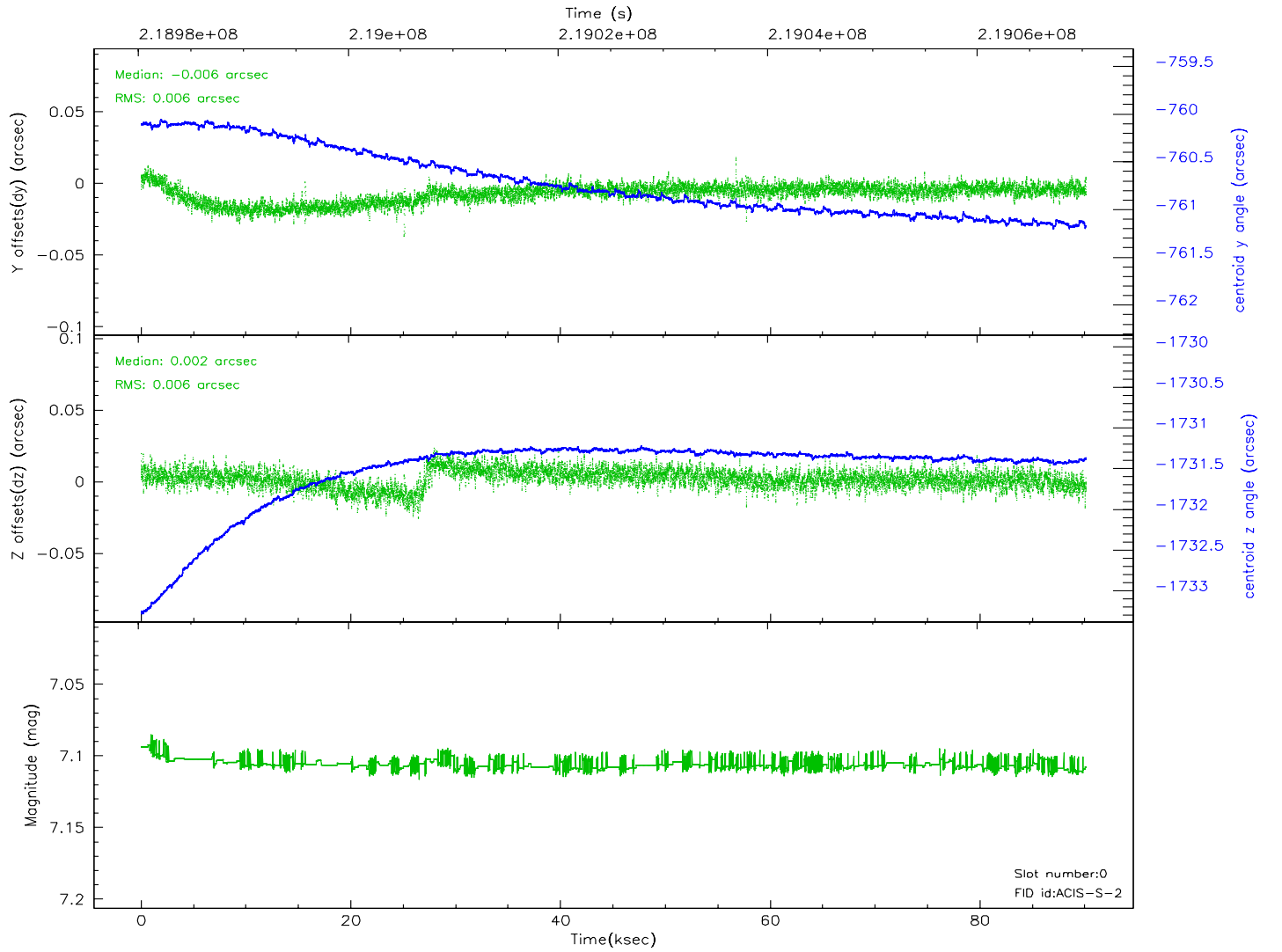
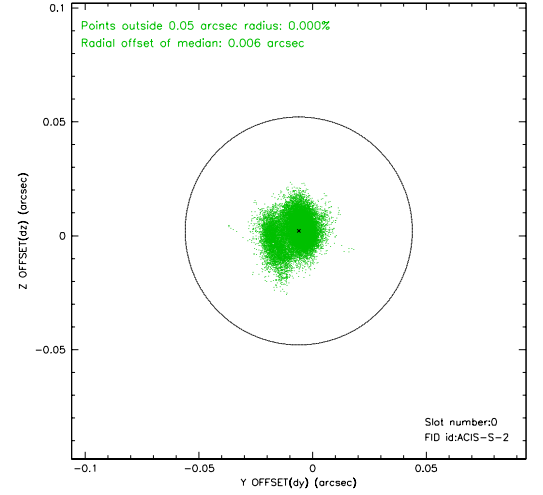
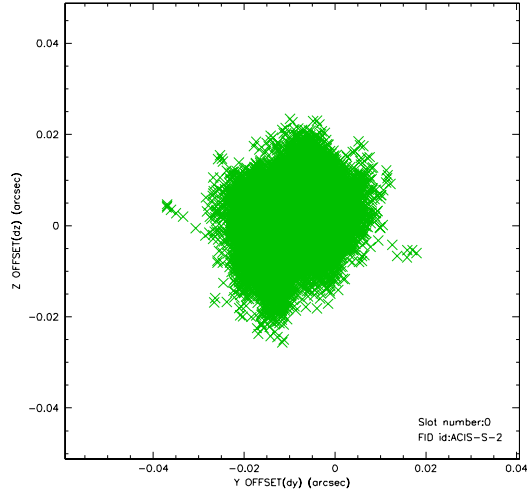


## 2.4.5 Slot 7

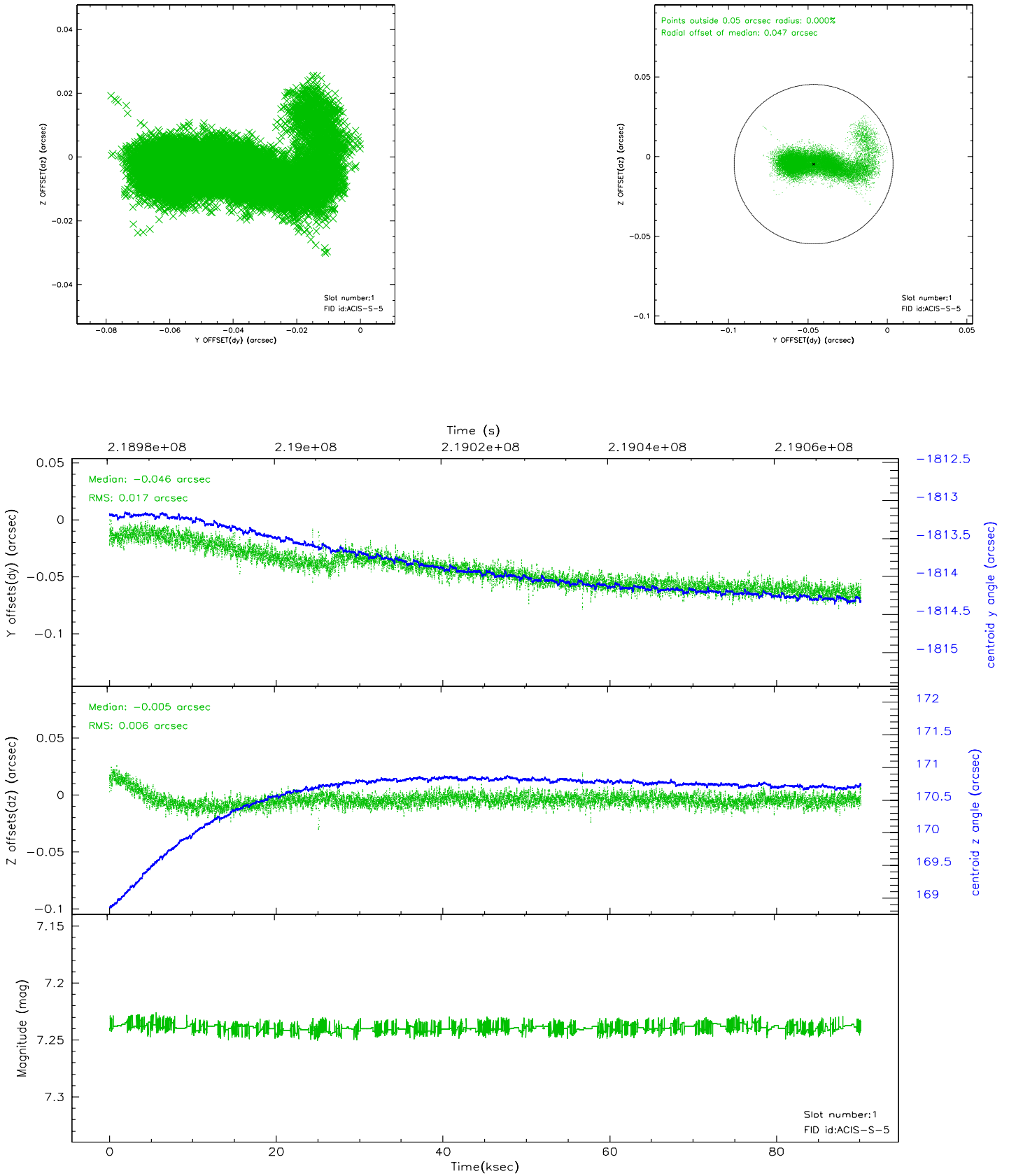


## 2.5 FID Slots

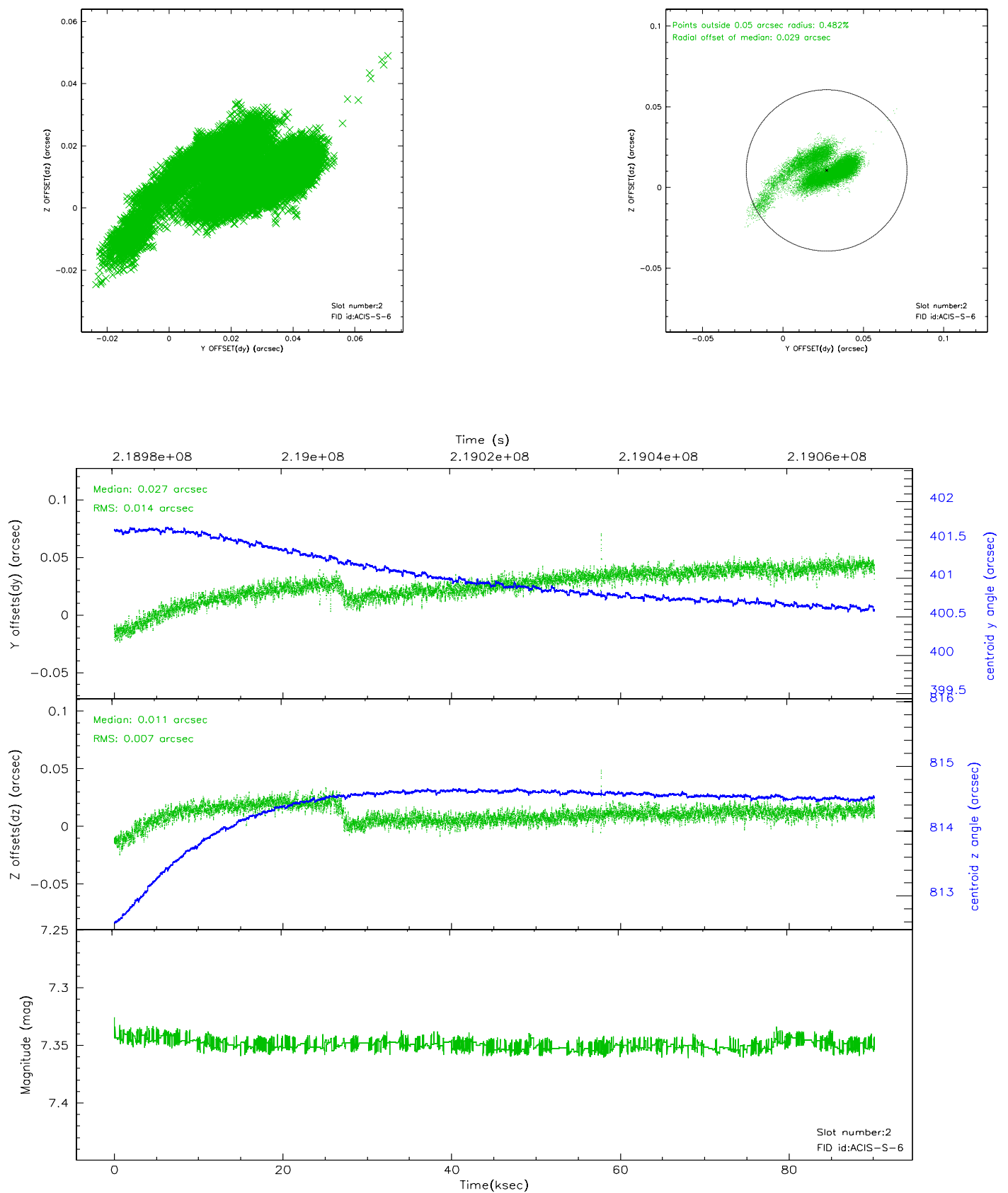
### 2.5.1 Slot 0



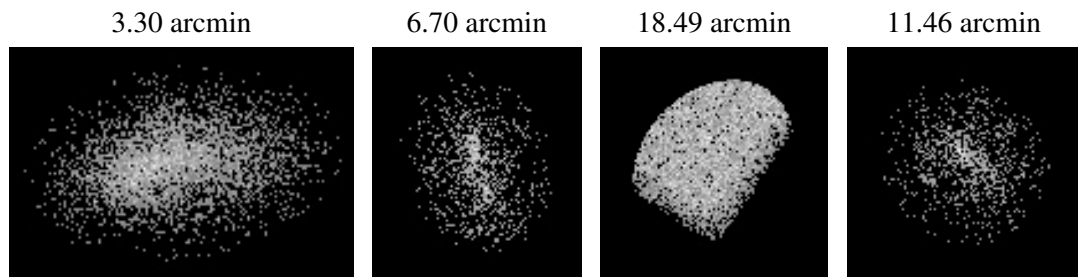
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	90.15109

### A.2 Comments