

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1992 - L2 Version 001  
Chandra X-Ray Center

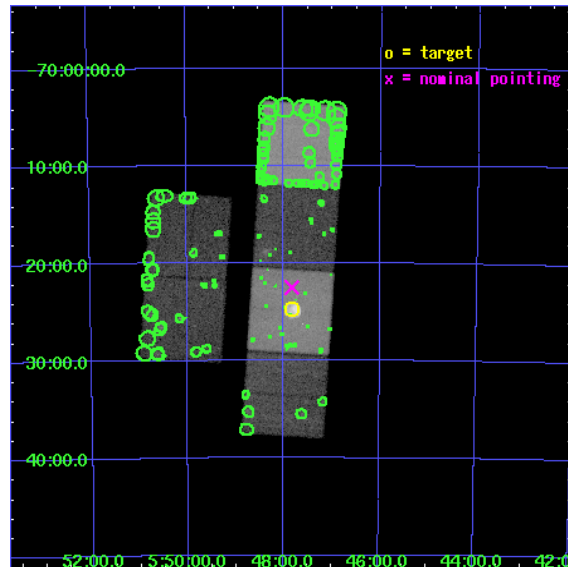
L2 Processing Date : Jan 3 2007

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# 1 Front

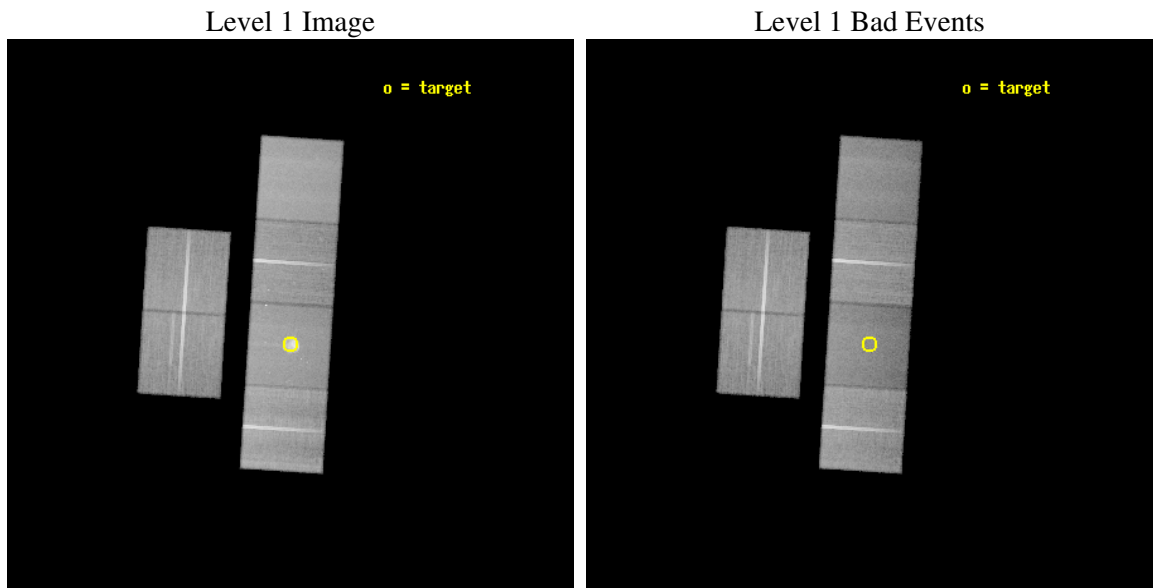
seq_num	500169
obs_id	1992
title	MATURE SUPERNOVA REMNANTS IN THE LARGE MAGELLANIC CLOUD
observer	Dr Kazimierz Borkowski
object	0548-70.4
dtcycle	0
cycle	P
ra_targ	86.958333
dec_targ	-70.4125
ra_nom	86.956514791113
dec_nom	-70.375041228925
roll_nom	93.698333851027
revision	2
ontime	60099.200055972
livetime	59338.187797469
ontime2	60089.477145314
ontime3	60089.477165237
ontime5	60099.200055972
ontime6	60095.959095716
ontime7	60099.200055972
ontime8	60092.718265057
l2events	491485



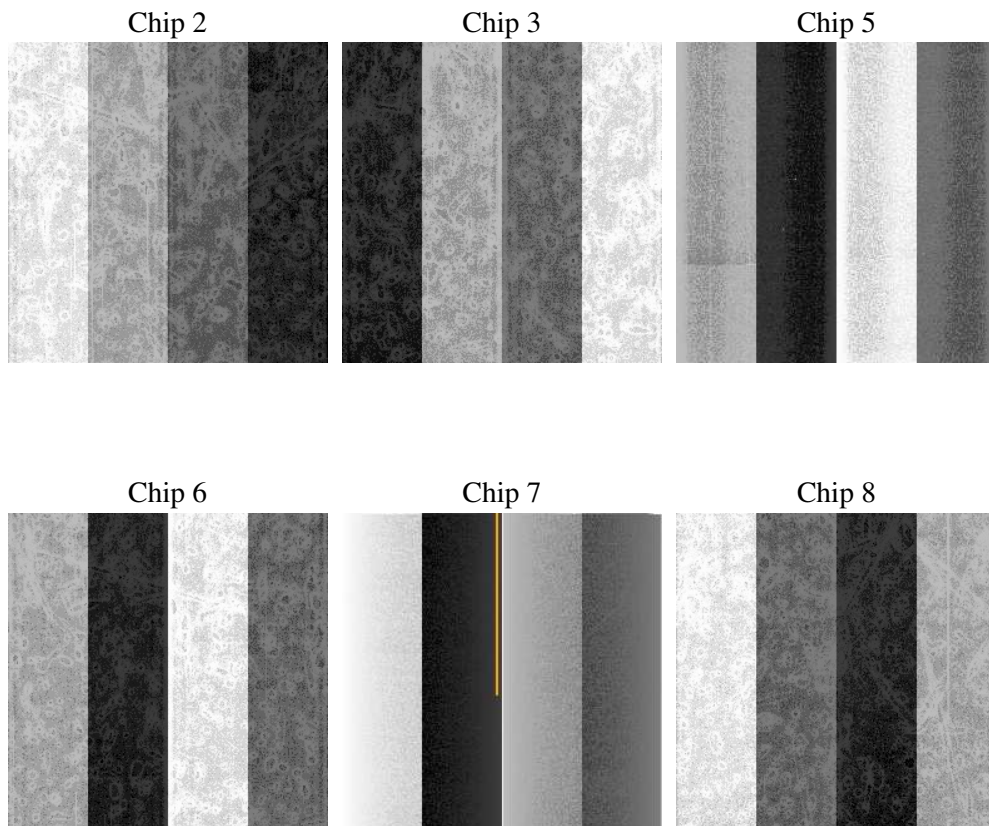
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.4
date	2007-01-03T16:14:39
revision	2

sched_exp_time	60000.000000
ontime	60195.068780273
ontime2	60185.345839709
ontime3	60188.586879715
ontime5	60195.068780273
ontime6	60191.827790111
ontime7	60195.068780273
ontime8	60191.827979535
l1events	2240688

### 2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	352301	331095	416426	337249	384478	419139
rejected events	321290	301691	217112	301376	198203	325101
rejected %	91%	91%	52%	89%	51%	77%

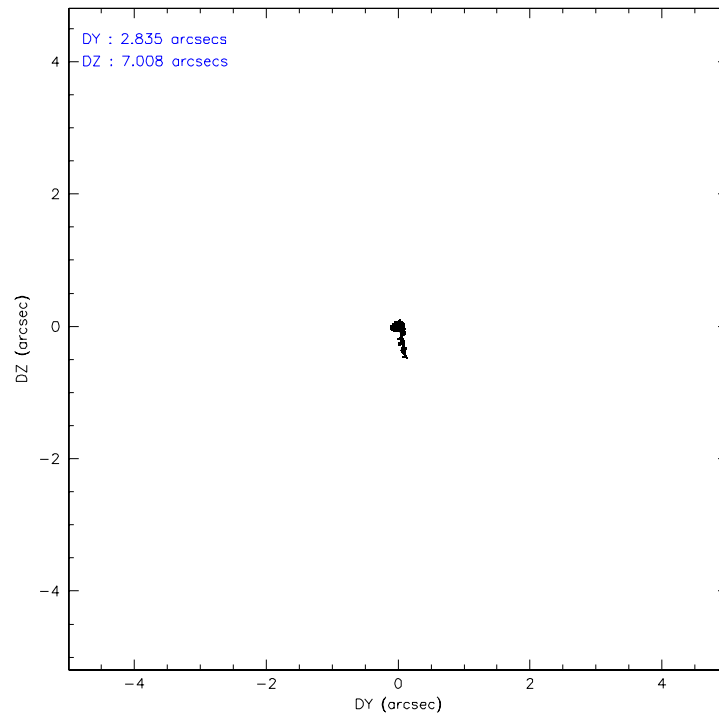
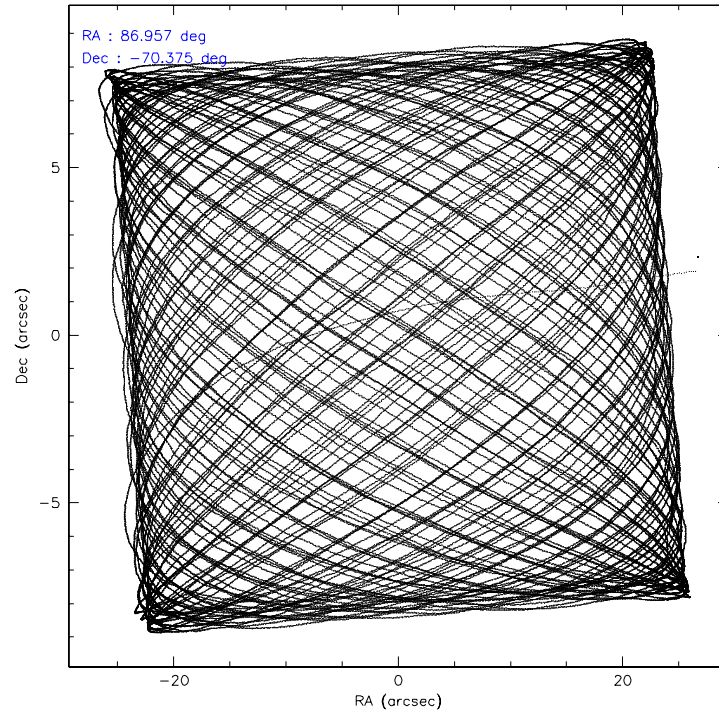
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	11073	10847	9669	14786	21044	29199
	3%	3%	2%	4%	5%	6%
grade 1 events	132	124	119	157	167	274
	0%	0%	0%	0%	0%	0%
grade 2 events	7291	6130	63121	6959	46697	19594
	2%	1%	15%	2%	12%	4%
grade 3 events	3457	3377	5774	3832	13081	11355
	0%	1%	1%	1%	3%	2%
grade 4 events	3338	3384	5588	3645	12721	10261
	0%	1%	1%	1%	3%	2%
grade 5 events	9726	11265	22413	11950	26198	16611
	2%	3%	5%	3%	6%	3%
grade 6 events	5902	5718	115485	6719	93020	23797
	1%	1%	27%	1%	24%	5%
grade 7 events	311382	290250	194257	289201	171550	308048
	88%	87%	46%	85%	44%	73%

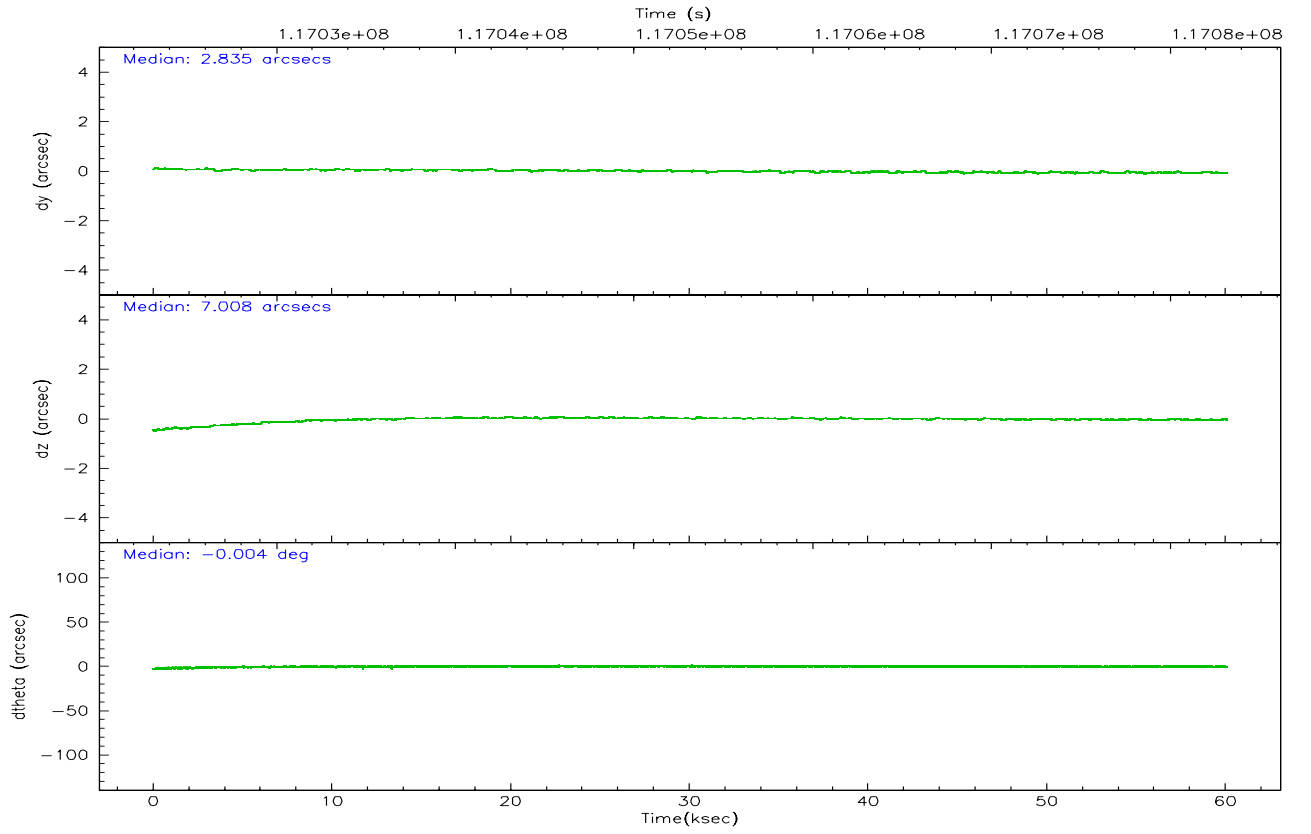
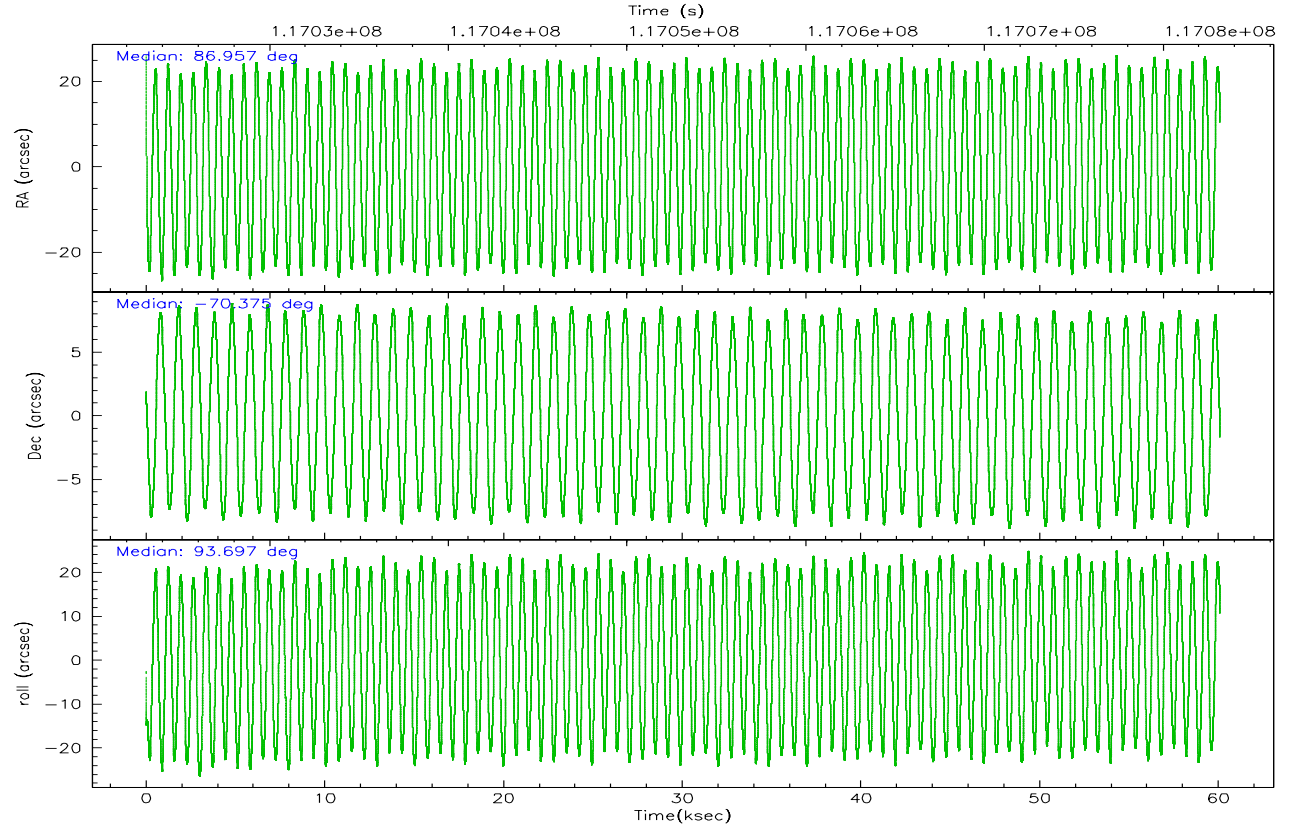


## 2.2 Compared Parameters

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	87.002349	86.95651479111275	Subarray requested	NONE	NONE
Pointing Dec	-70.397556	-70.37504122892476	Alternating exposures requested	N	N
Pointing Roll	93.584886	93.69833385102712	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	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	117023192.184000	117022141.61981			
Observation start date	2001-09-16T10:25:28	2001-09-16T10:09:01			
Observation end time	117083192.184000	117083750.27225			
Observation end date	2001-09-17T03:05:28	2001-09-17T03:15:50			
Read mode	TIMED	TIMED			

## 2.3 Aspect



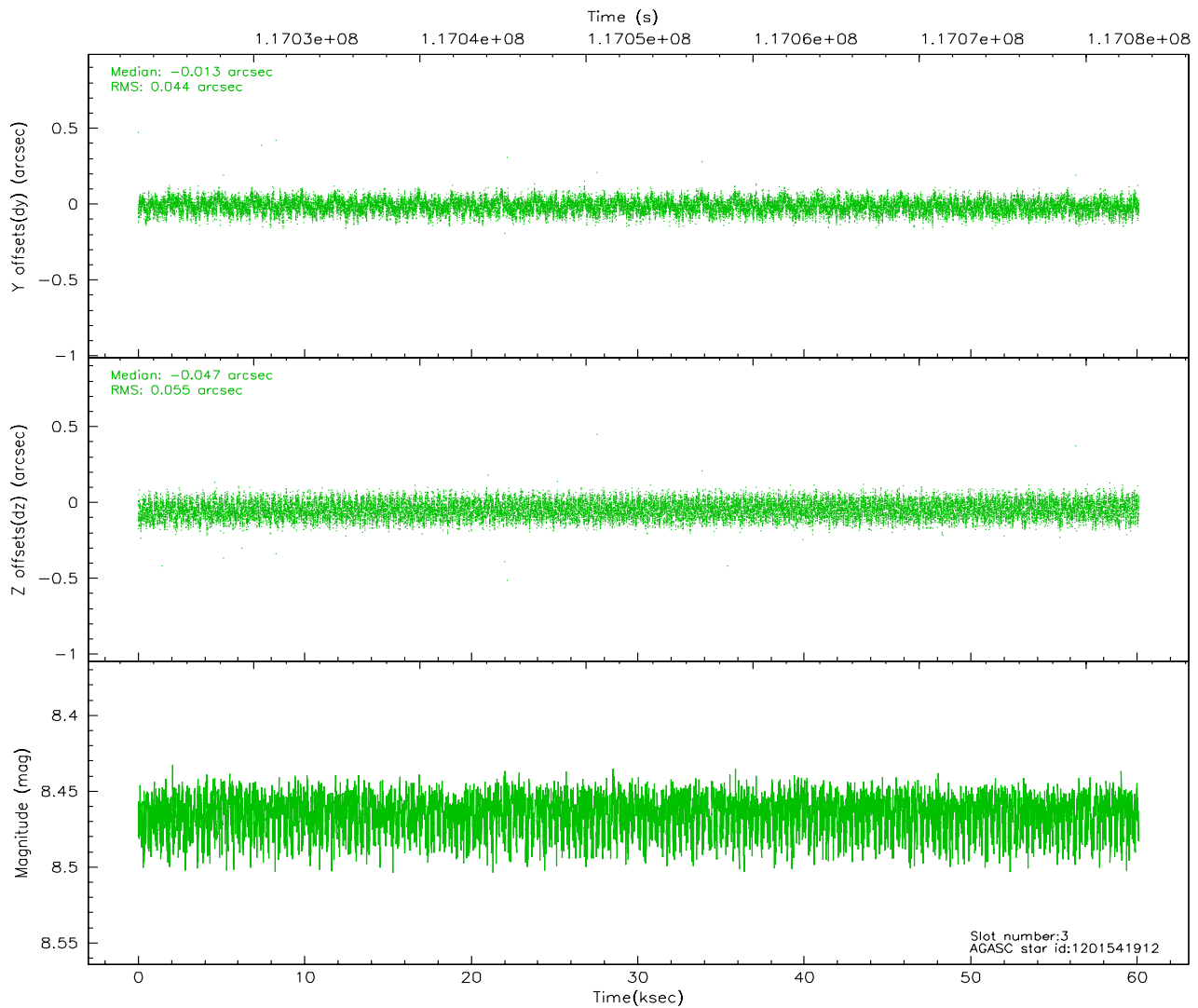
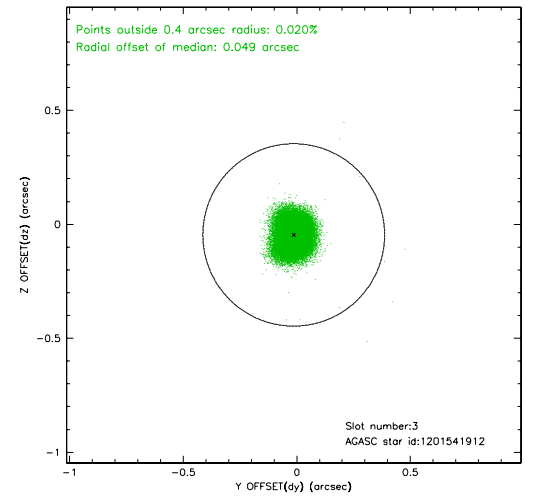
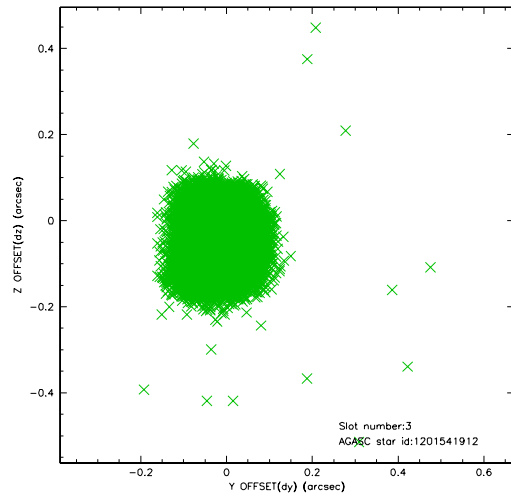


### Slot Statistics

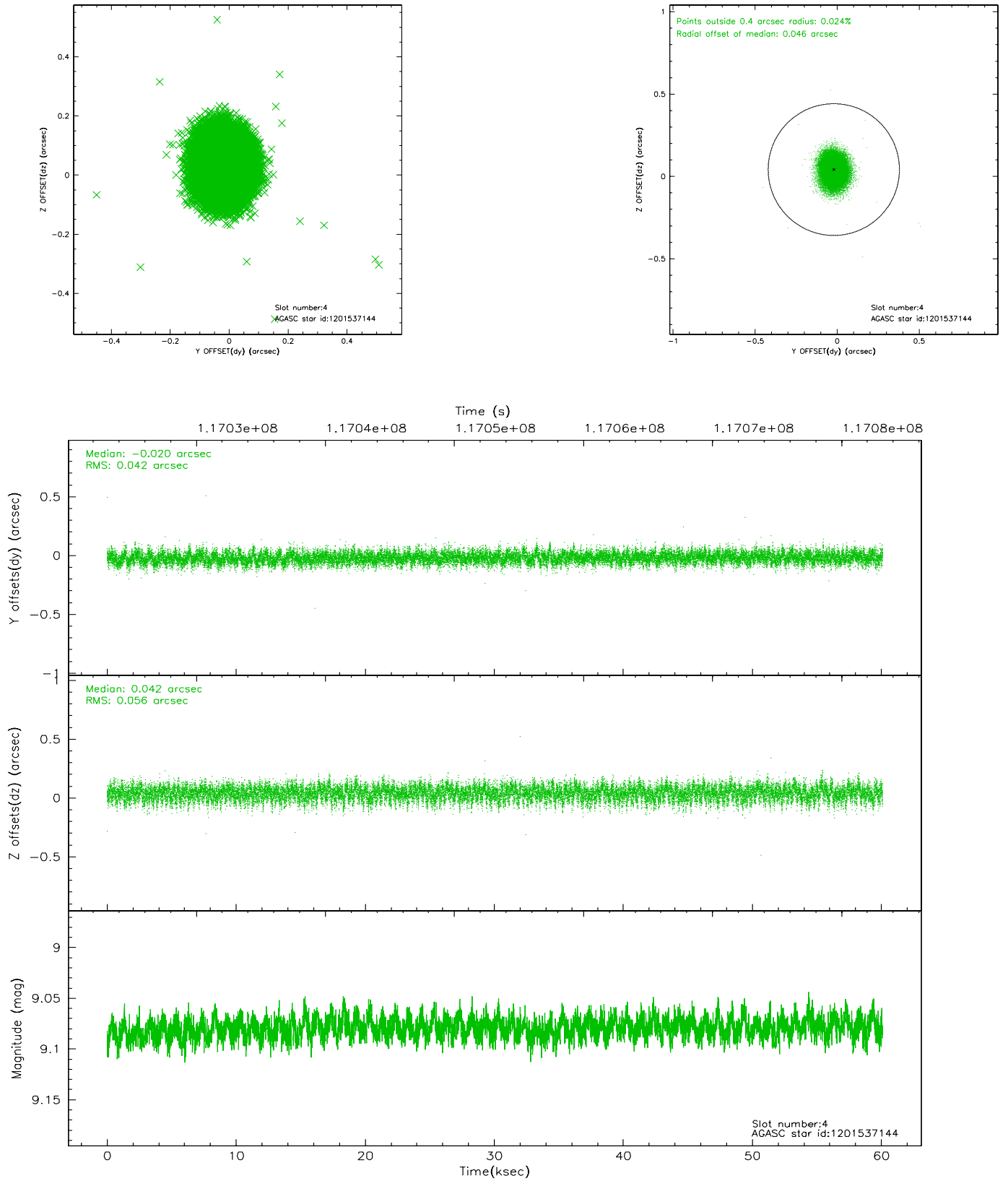
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	14655	0.003	0.031	0.008	0.013	0.000000	0.000000	-755.46	-1728.11
1	FID	ACIS-S-4	7.20	14656	-0.097	-0.009	0.007	0.012	0.000000	0.000000	2157.72	180.39
2	FID	ACIS-S-5	7.24	14658	0.063	-0.013	0.007	0.011	0.000000	0.000000	-1808.31	173.98
3	GUIDE	1201541912	8.46	29314	-0.013	-0.047	0.076	0.115	88.714479	-70.508992	-558.09	-2024.71
4	GUIDE	1201537144	9.08	29273	-0.020	0.042	0.074	0.121	88.780878	-70.947923	-2139.26	-1959.29
5	GUIDE	1201541888	8.75	29311	0.119	-0.089	0.068	0.109	87.859702	-70.479385	-366.24	-1009.83
6	GUIDE	1201543584	9.02	29306	0.086	0.021	0.087	0.137	85.968298	-71.060698	-2317.94	1356.46
7	GUIDE	1201540816	7.97	29311	-0.172	0.073	0.041	0.067	86.998494	-69.749817	2326.78	-140.07

## 2.4 Star Slots

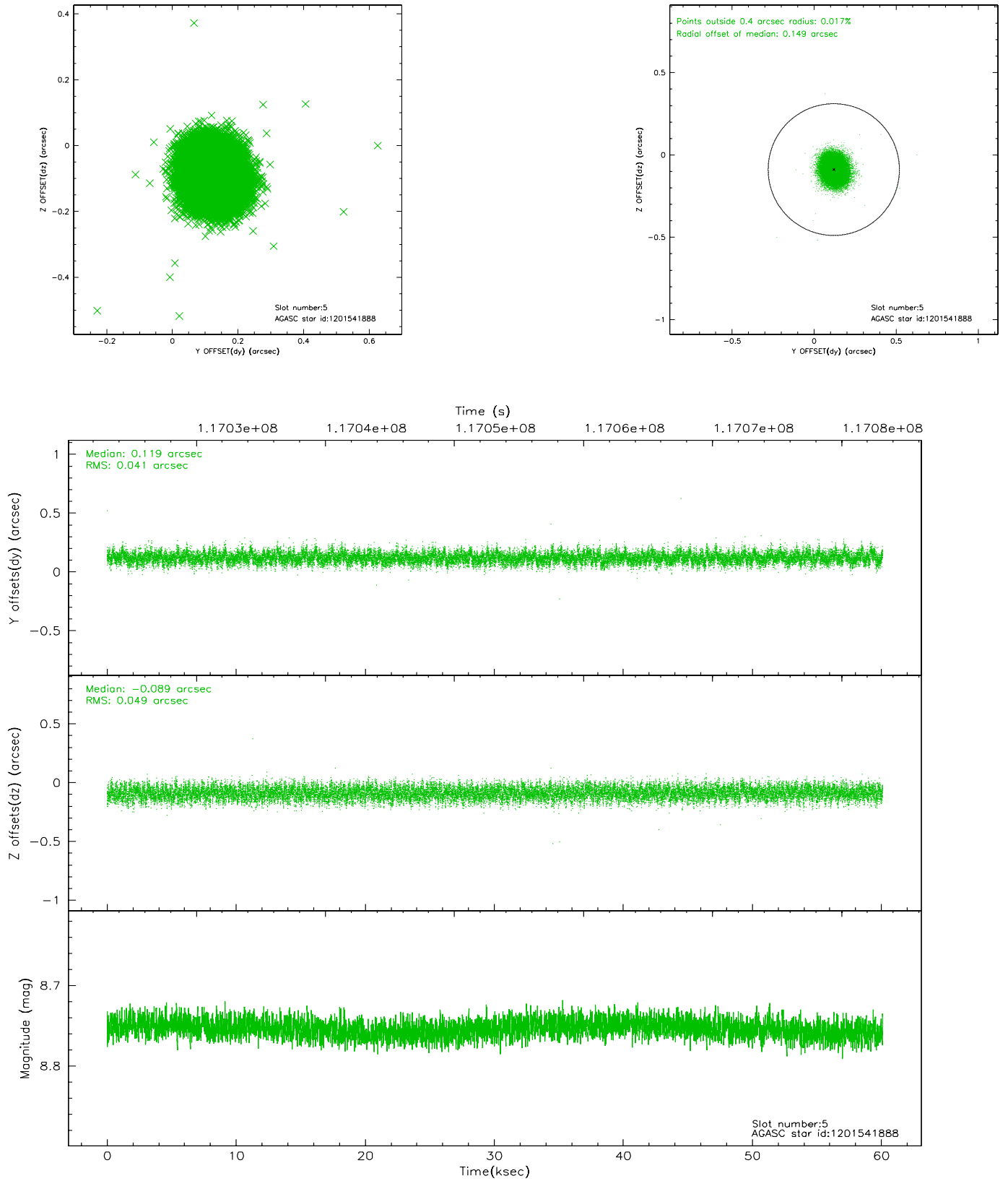
### 2.4.1 Slot 3



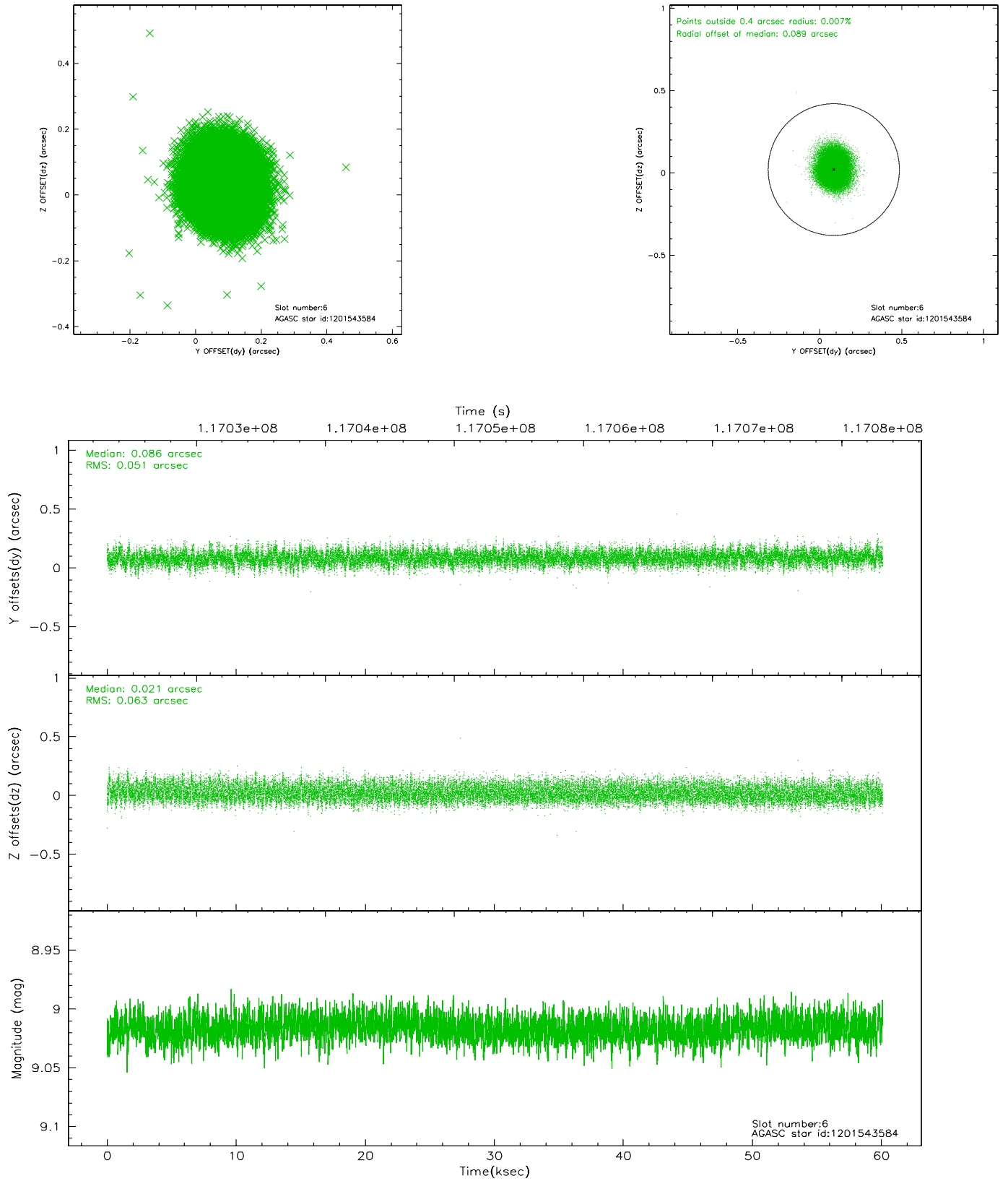
## 2.4.2 Slot 4



### 2.4.3 Slot 5

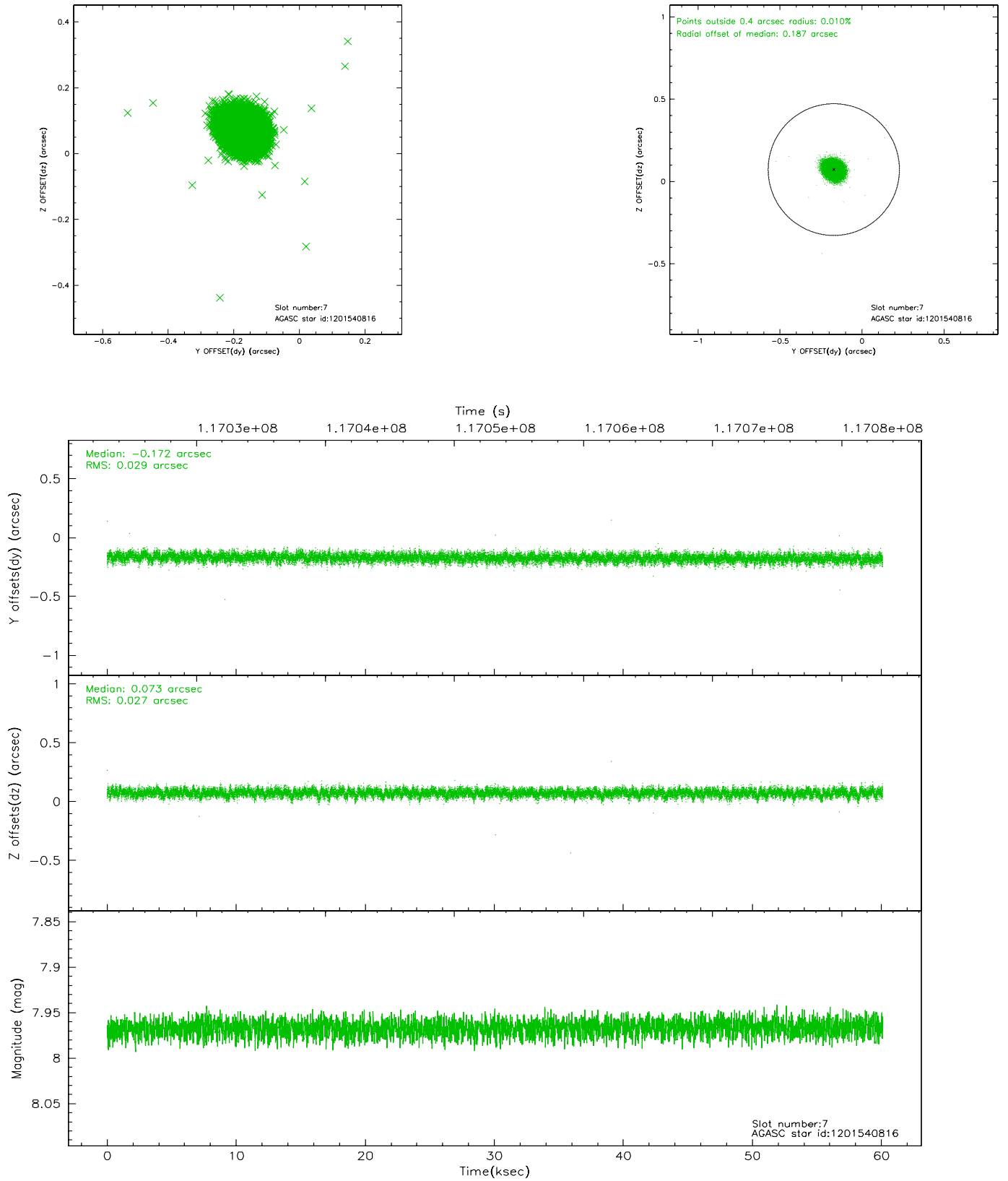


## 2.4.4 Slot 6



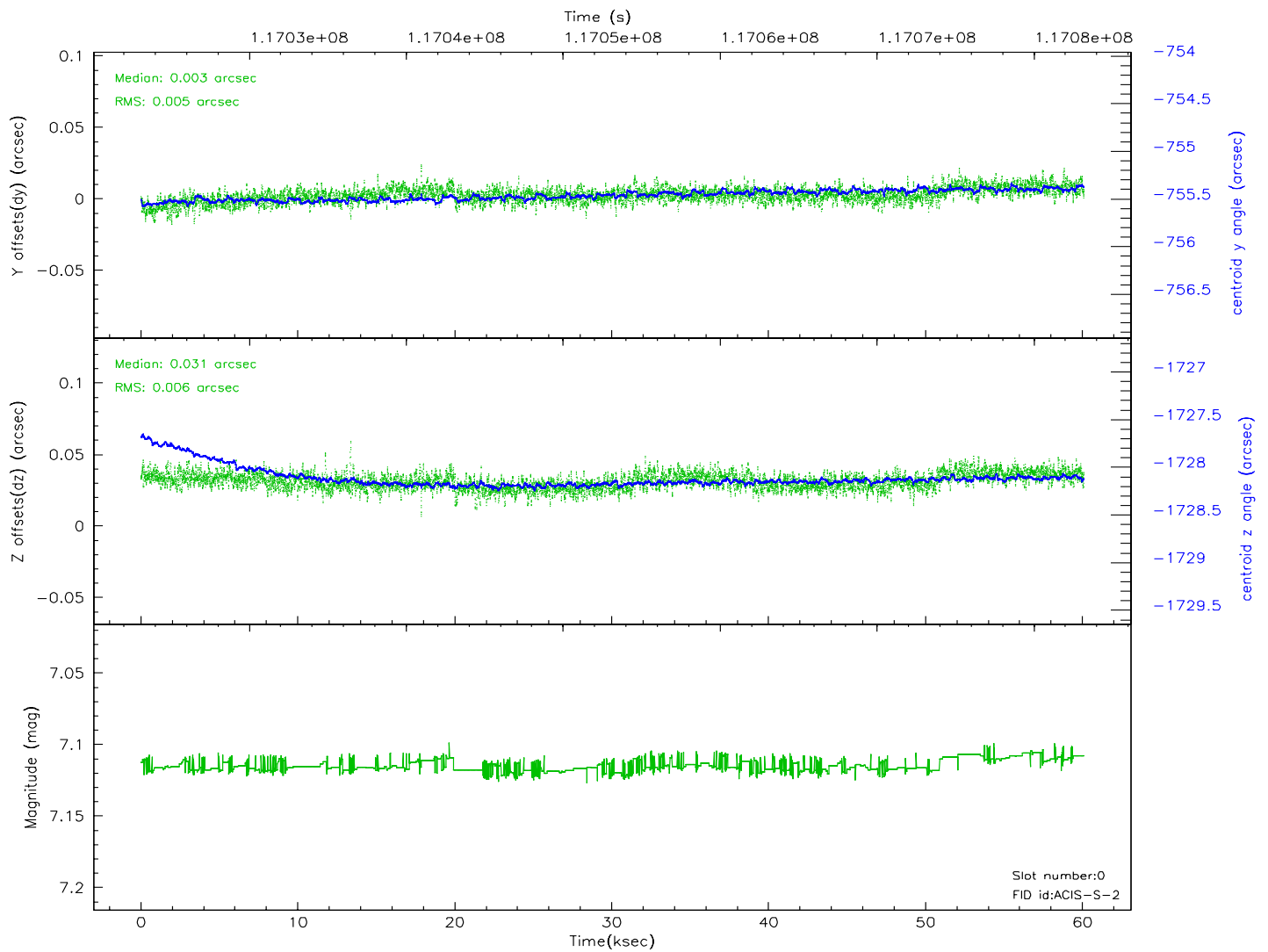
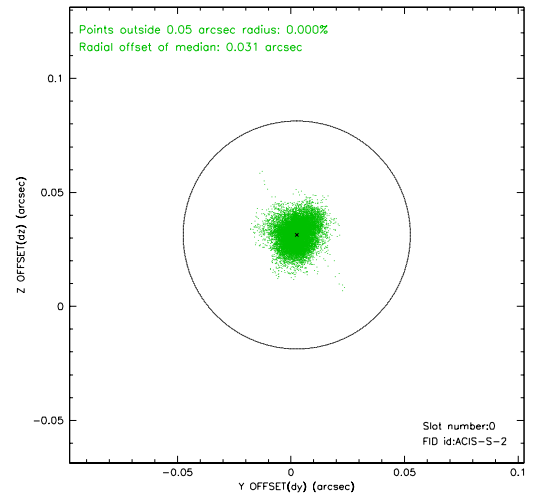
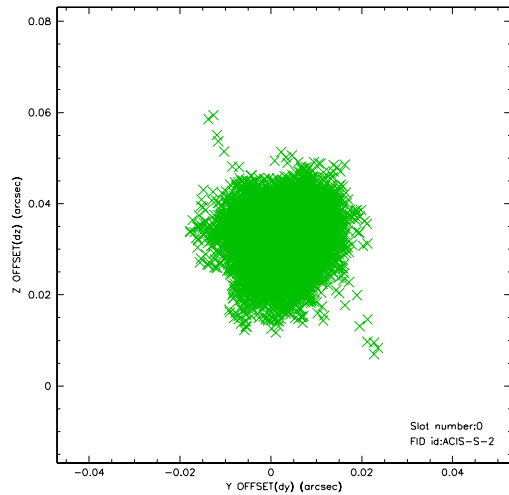


## 2.4.5 Slot 7

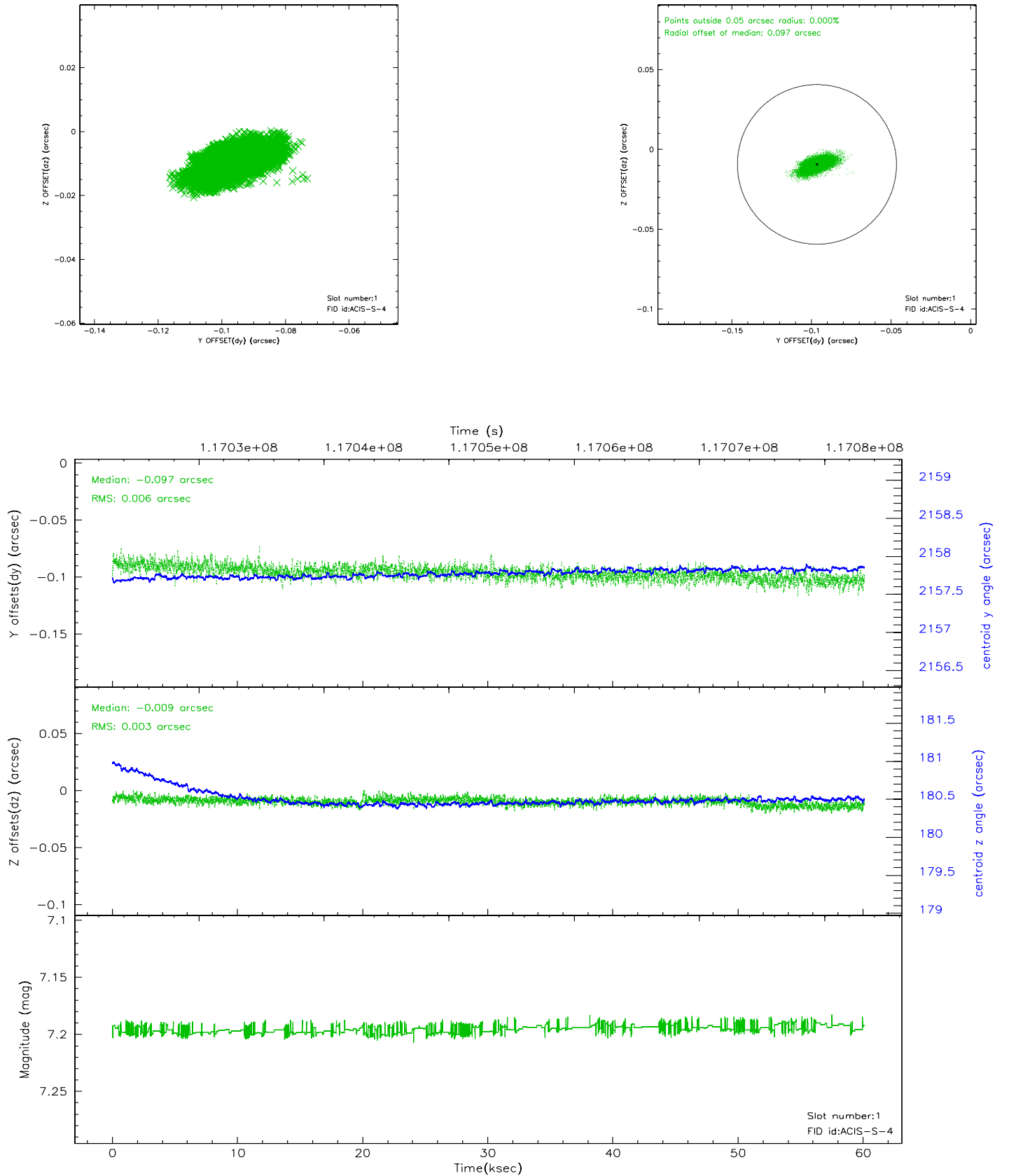


## 2.5 FID Slots

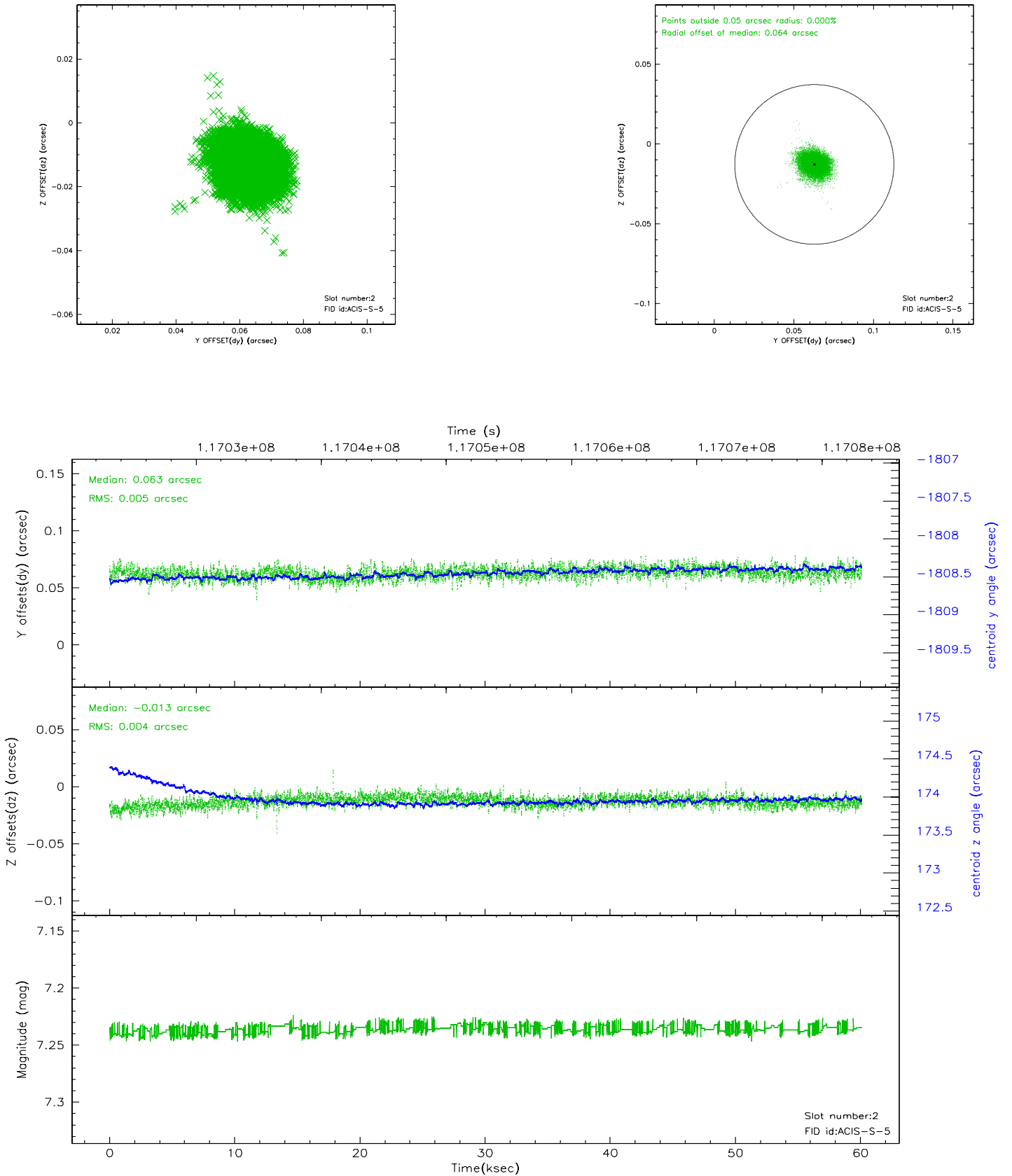
### 2.5.1 Slot 0



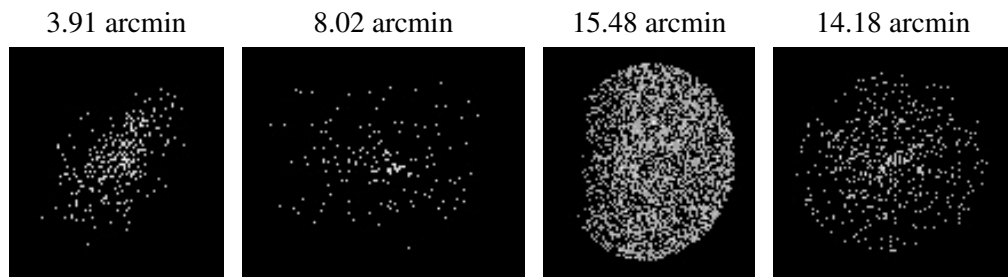
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	60.099

### A.2 Comments