

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3208 - L2 Version 001  
Chandra X-Ray Center

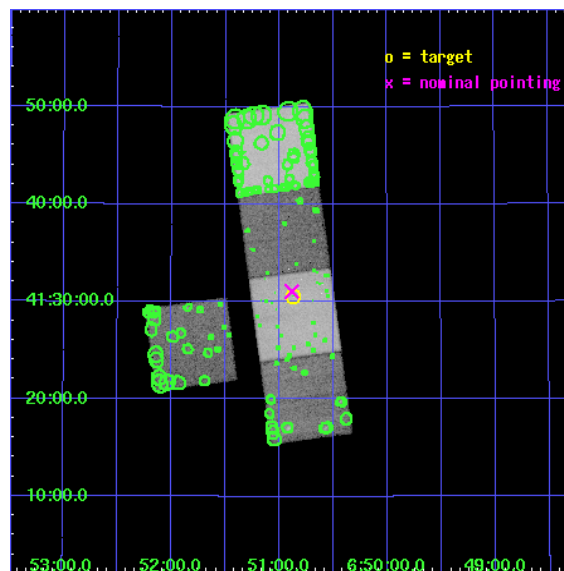
L2 Processing Date : Oct 4 2006

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# 1 Front

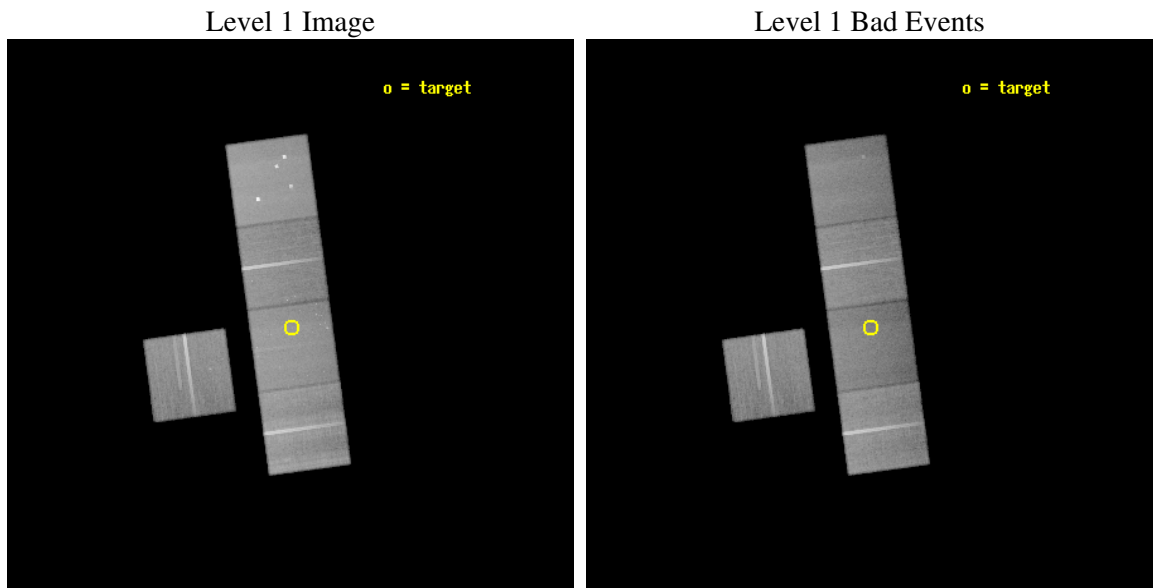
seq_num	800208
obs_id	3208
title	A SEARCH FOR X-RAY EMISSION FROM A PROTO-CLUSTER AT Z=3.8
observer	Dr Caleb Scharf
object	4C41.17
dtcycle	0
cycle	P
ra_targ	102.717083
dec_targ	41.508556
ra_nom	102.72104888876
dec_nom	41.517773605732
roll_nom	82.316291707182
revision	2
ontime	74204.699857324
livetime	73235.160824983
ontime3	74185.854056031
ontime5	74201.558897048
ontime6	74195.276946723
ontime7	74204.699857324
ontime8	74198.417916864
l2events	550018



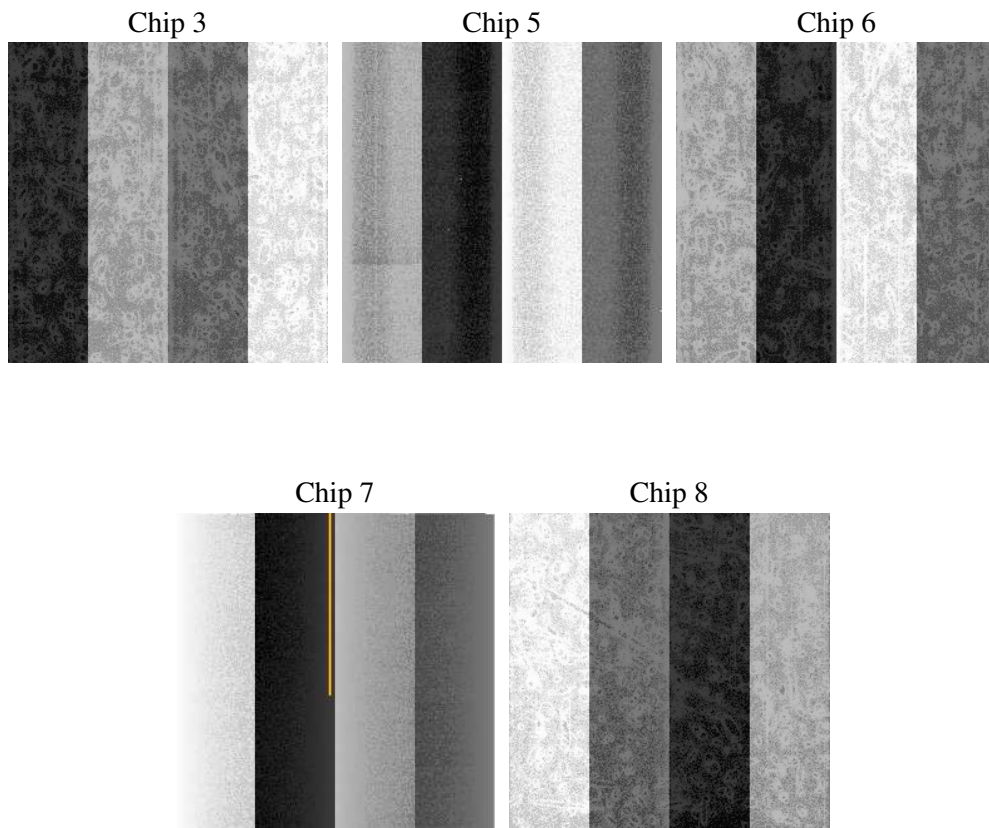
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-04T20:29:42
revision	2

sched_exp_time	74049.217000
ontime	74432.3020114
ontime3	74413.456210107
ontime5	74429.161051124
ontime6	74422.879070878
ontime7	74432.3020114
ontime8	74426.02007094
l1events	2283299

### 2.1.4 Events

	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	394643	545768	399170	443497	500221
rejected events	357567	271798	356987	247874	387029
rejected %	90%	49%	89%	55%	77%

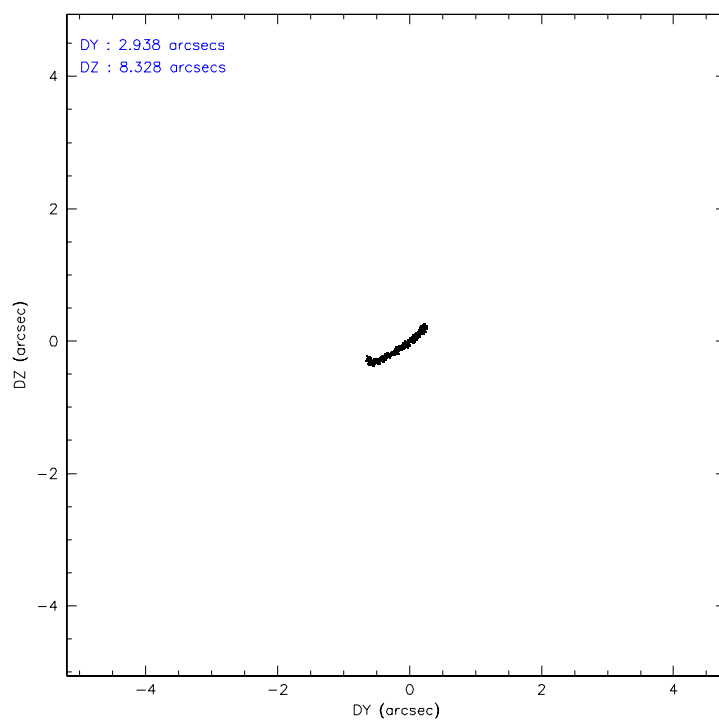
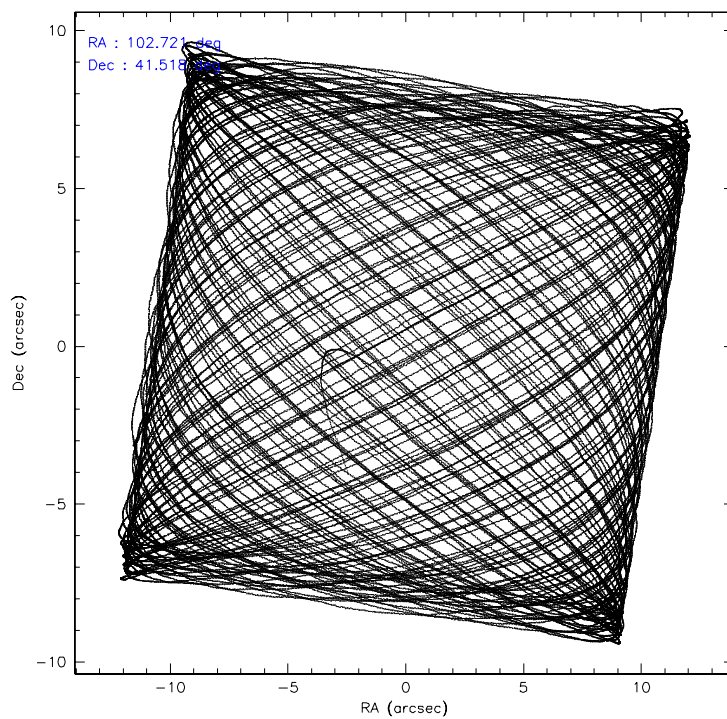
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	13905	33506	15695	13198	36062
	3%	6%	3%	2%	7%
grade 1 events	193	592	167	226	328
	0%	0%	0%	0%	0%
grade 2 events	7530	81211	8835	47603	24055
	1%	14%	2%	10%	4%
grade 3 events	4284	7477	4691	11681	12578
	1%	1%	1%	2%	2%
grade 4 events	4383	7023	4443	11680	11763
	1%	1%	1%	2%	2%
grade 5 events	14448	27714	15516	32411	21153
	3%	5%	3%	7%	4%
grade 6 events	7072	145561	8640	112069	29177
	1%	26%	2%	25%	5%
grade 7 events	342828	242684	341183	214629	365105
	86%	44%	85%	48%	72%

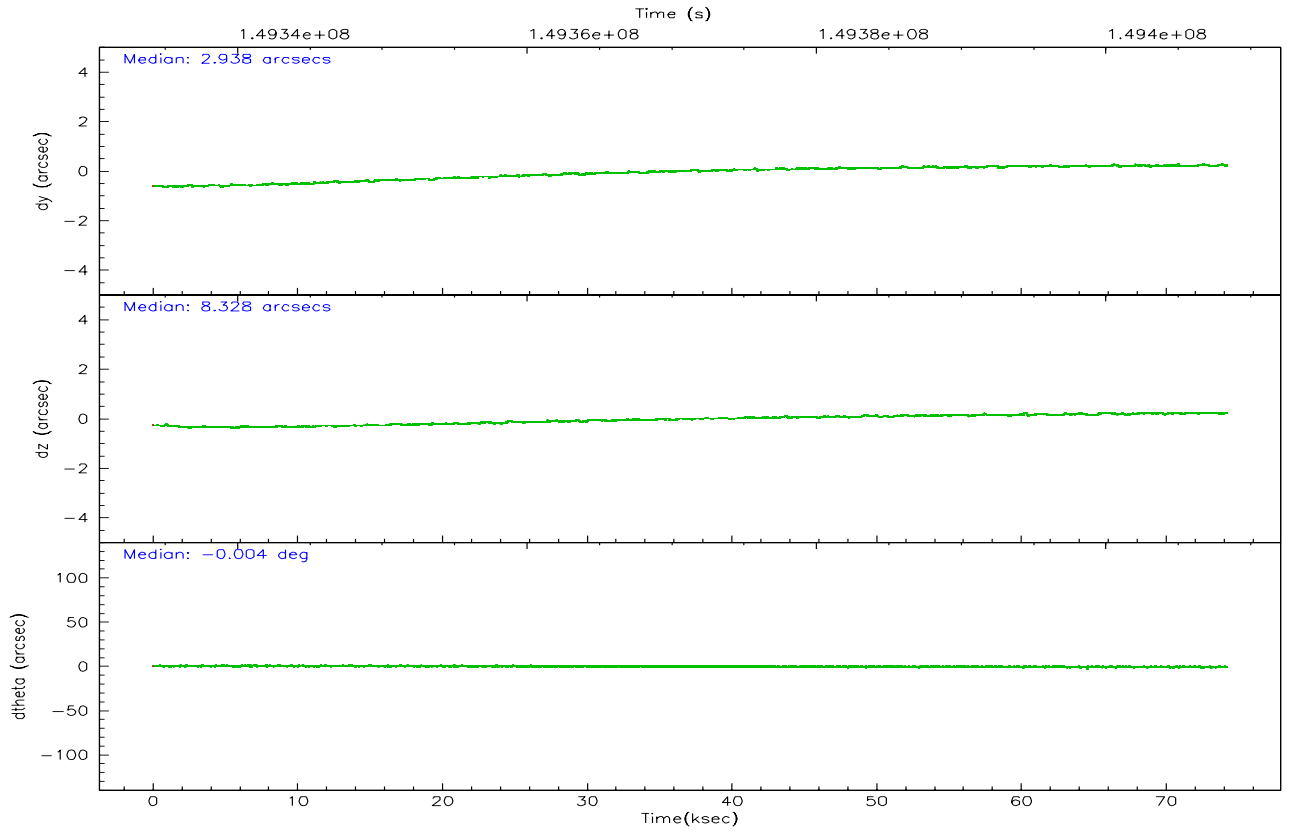
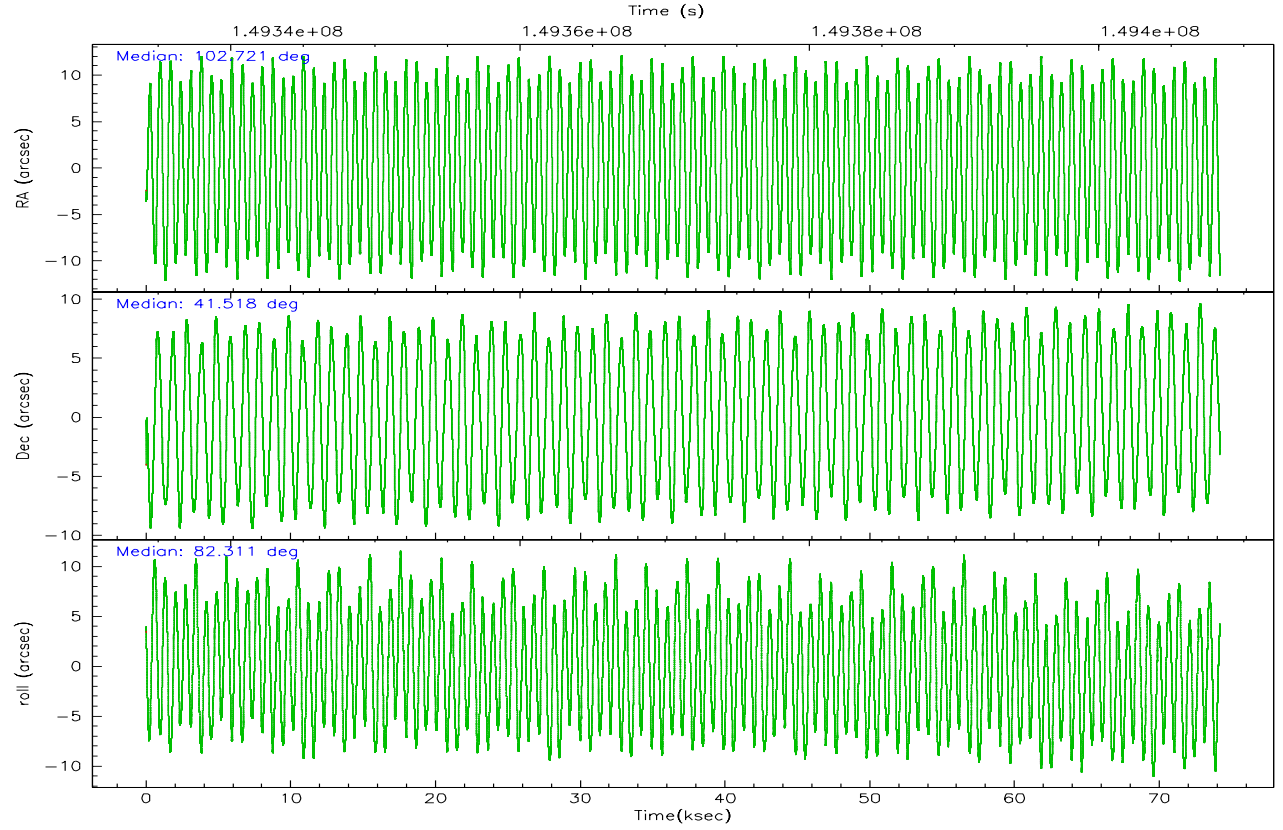


## 2.2 Compared Parameters

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	102.735277	102.7210488887582	Subarray requested	NONE	NONE
Pointing Dec	41.492719	41.51777360573231	Alternating exposures requested	N	N
Pointing Roll	82.150230	82.31629170718249	Primary exposure time	0.000000	3.1
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	149334326.184000	149333227.15395			
Observation start date	2002-09-25T09:44:22	2002-09-25T09:27:07			
Observation end time	149408375.184000	149408689.70708			
Observation end date	2002-09-26T06:18:31	2002-09-26T06:24:49			
Read mode	TIMED	TIMED			

## 2.3 Aspect



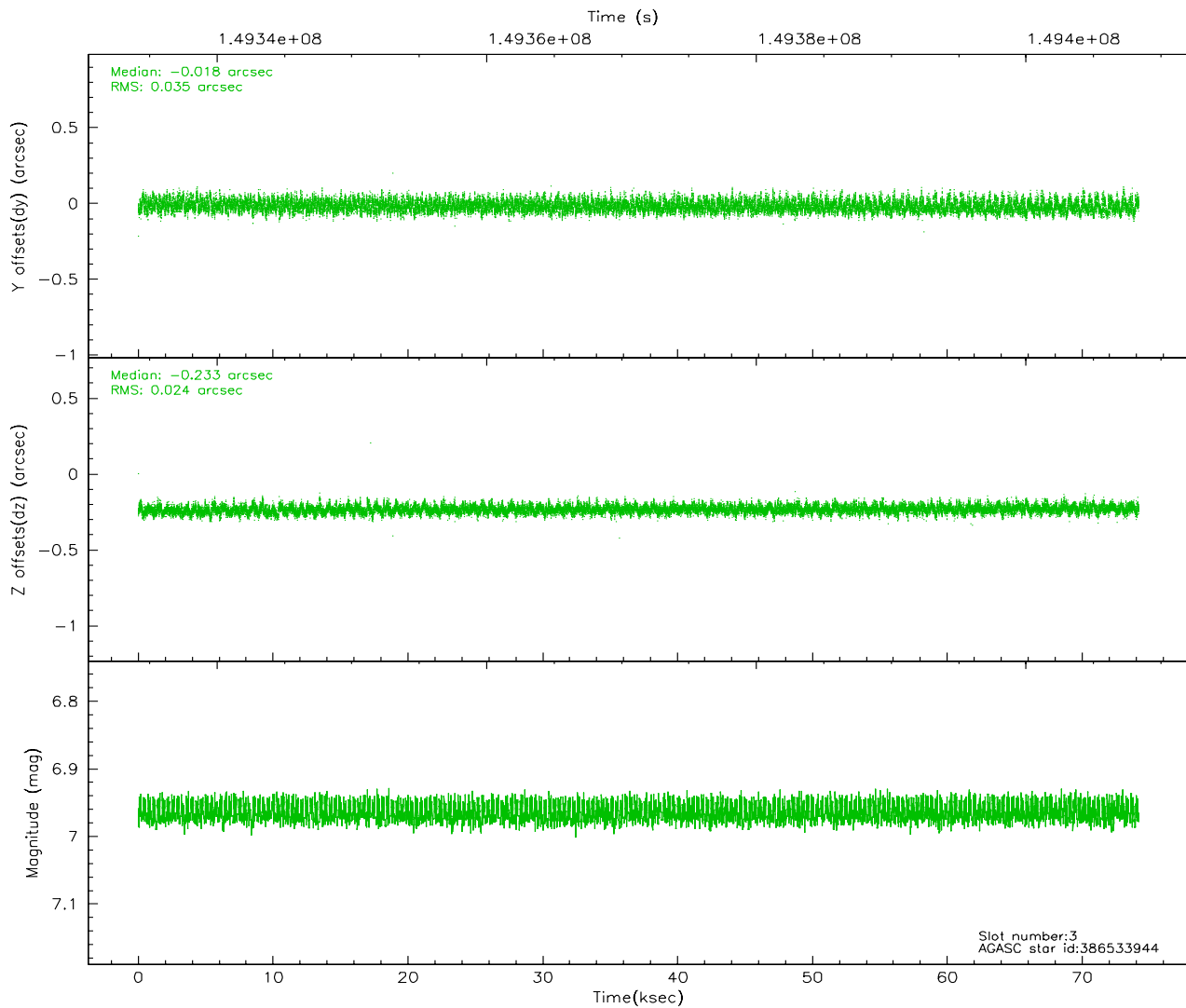
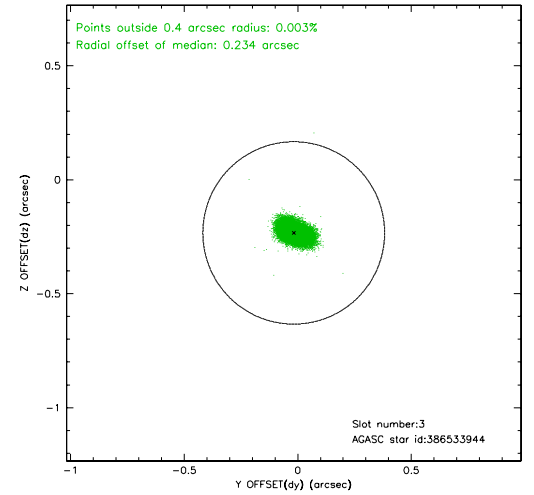
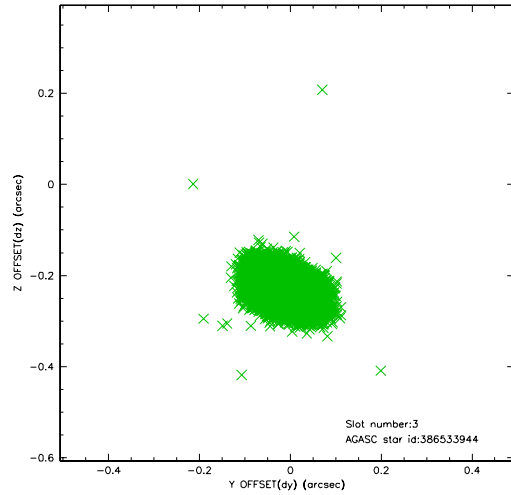


### Slot Statistics

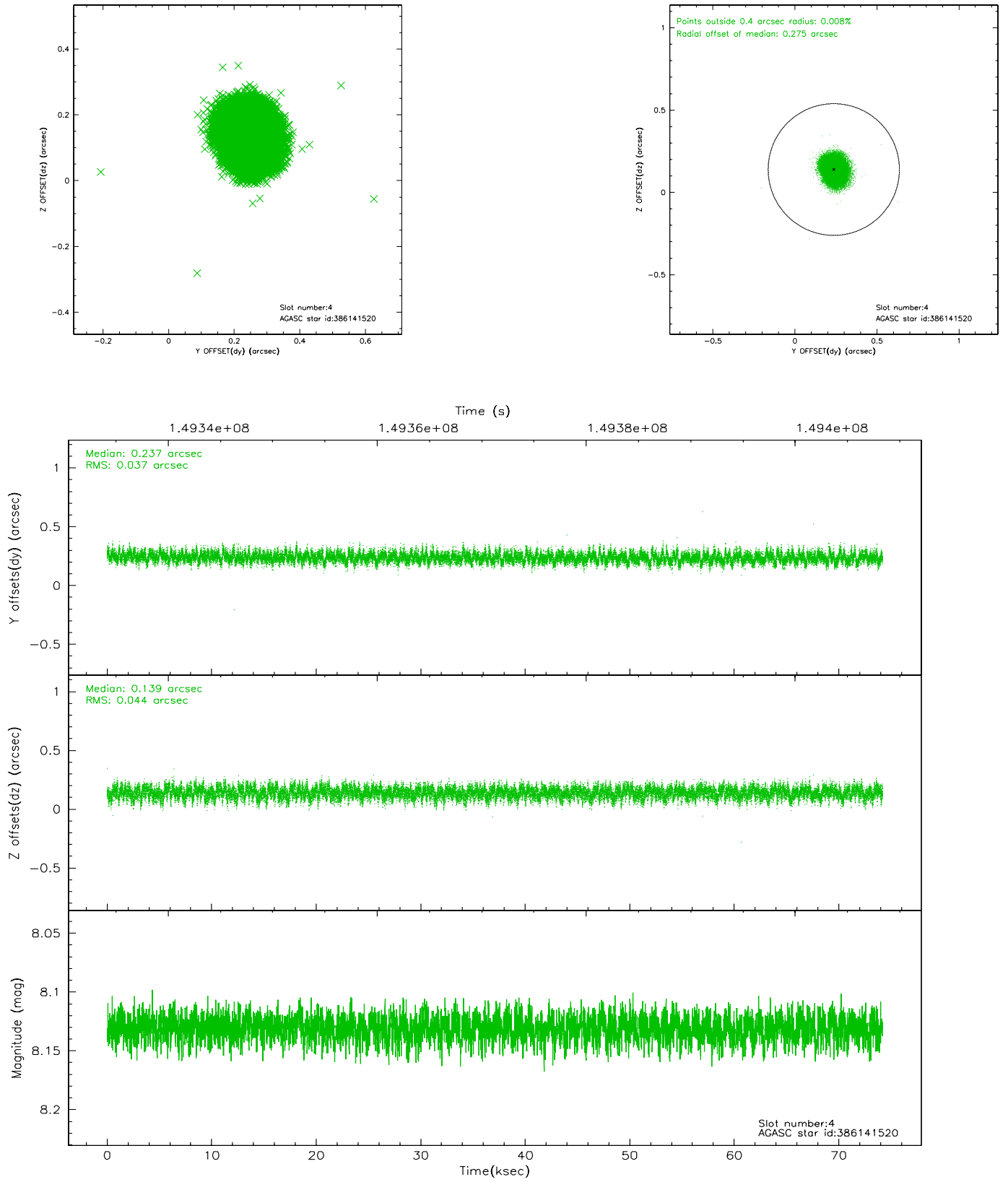
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	18100	-0.001	0.016	0.009	0.015	0.000000	0.000000	-755.51	-1729.47
1	FID	ACIS-S-4	7.20	18100	-0.053	-0.004	0.019	0.030	0.000000	0.000000	2157.76	179.03
2	FID	ACIS-S-5	7.24	18100	0.022	-0.004	0.017	0.031	0.000000	0.000000	-1808.39	172.66
3	GUIDE	386533944	6.97	36202	-0.018	-0.233	0.045	0.075	102.090515	41.302324	-911.46	1634.89
4	GUIDE	386141520	8.13	36194	0.237	0.139	0.061	0.099	102.877152	40.867754	-2176.35	-689.50
5	GUIDE	386670528	8.75	36186	-0.295	0.129	0.066	0.107	103.273984	42.028946	2112.74	-1162.02
6	GUIDE	386017080	8.93	36191	0.176	-0.109	0.081	0.130	102.170213	41.066504	-1724.98	1310.74
7	GUIDE	386668624	9.37	36177	-0.103	0.077	0.083	0.137	103.154939	41.853600	1442.77	-936.20

## 2.4 Star Slots

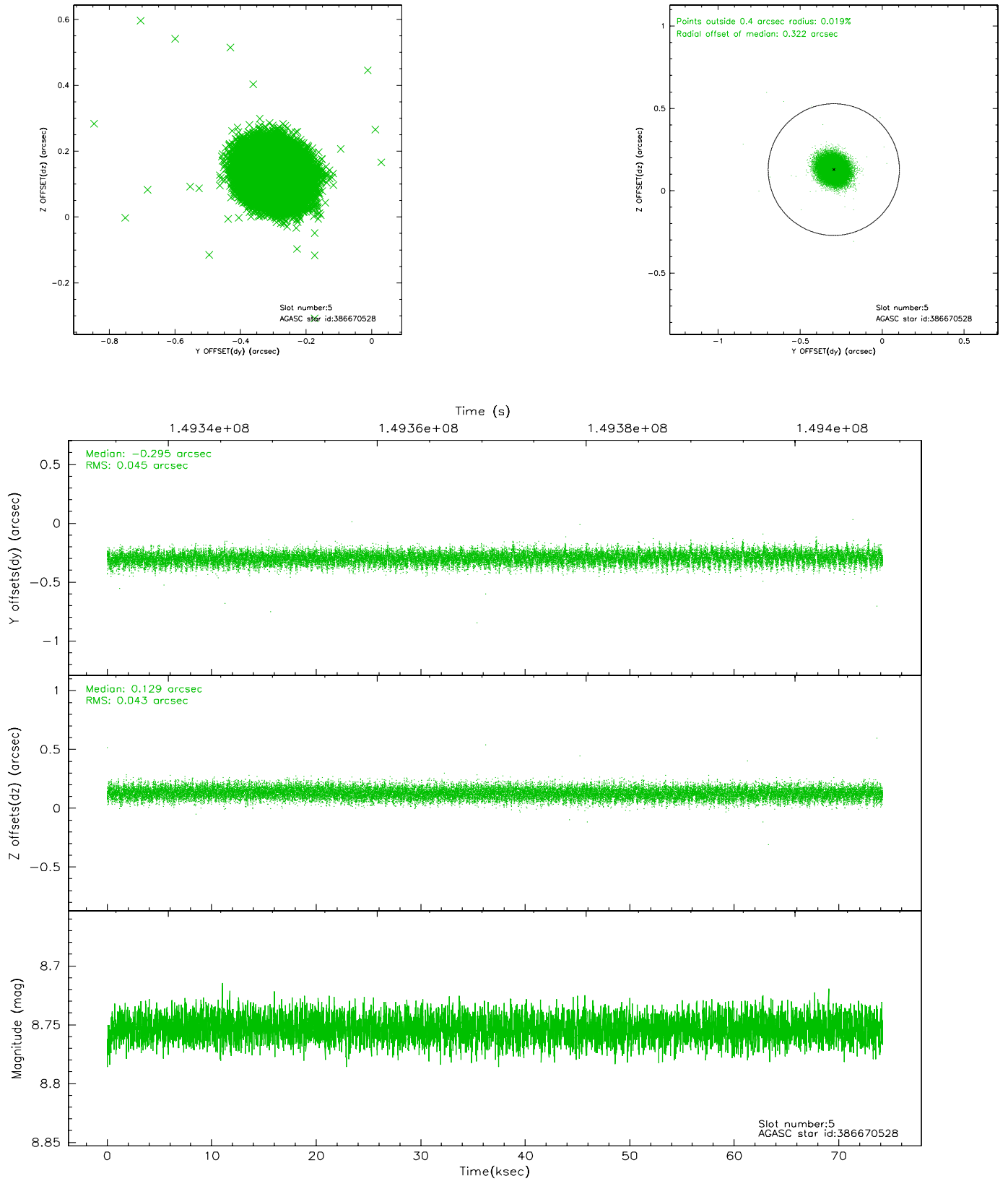
### 2.4.1 Slot 3



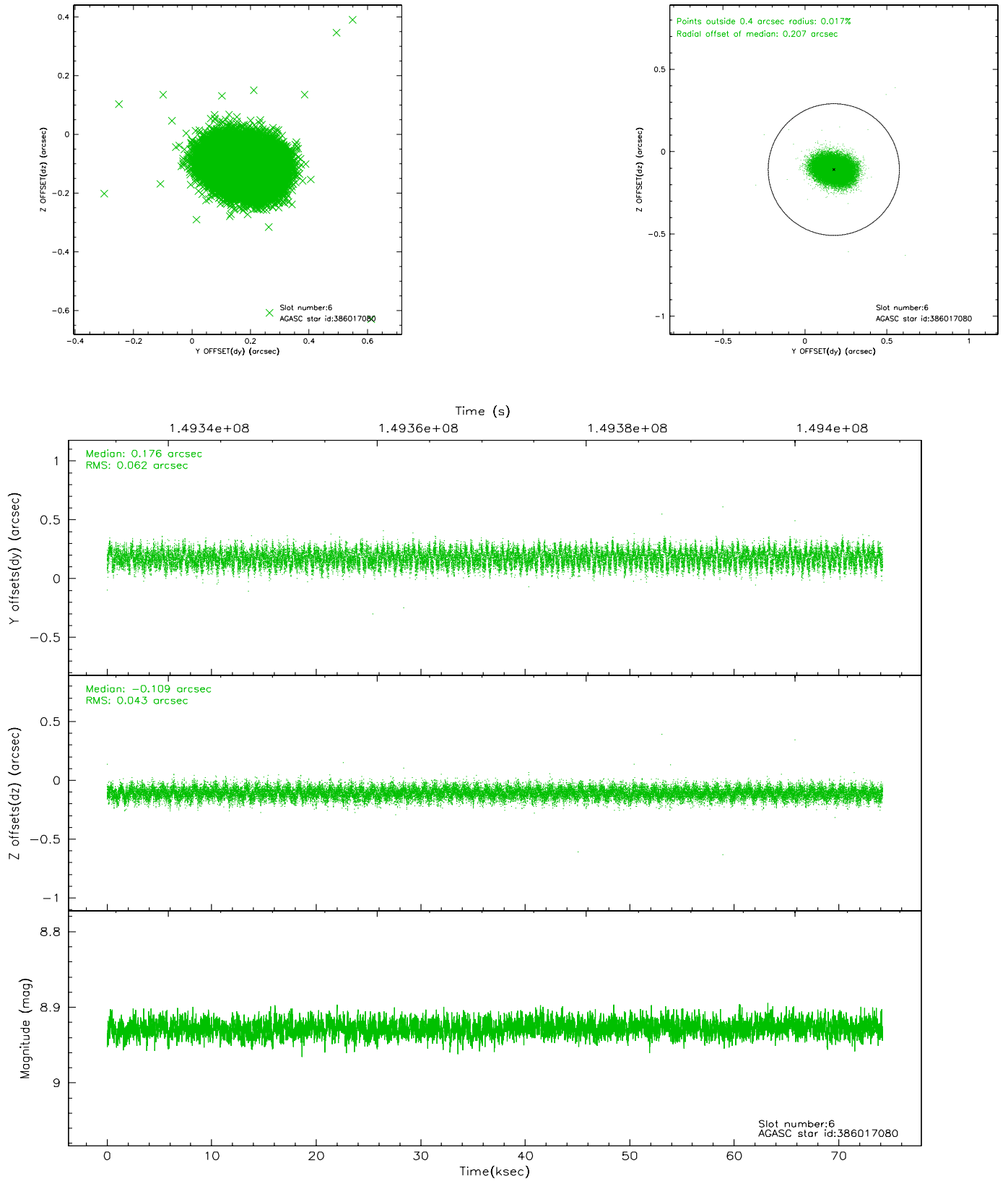
## 2.4.2 Slot 4



### 2.4.3 Slot 5

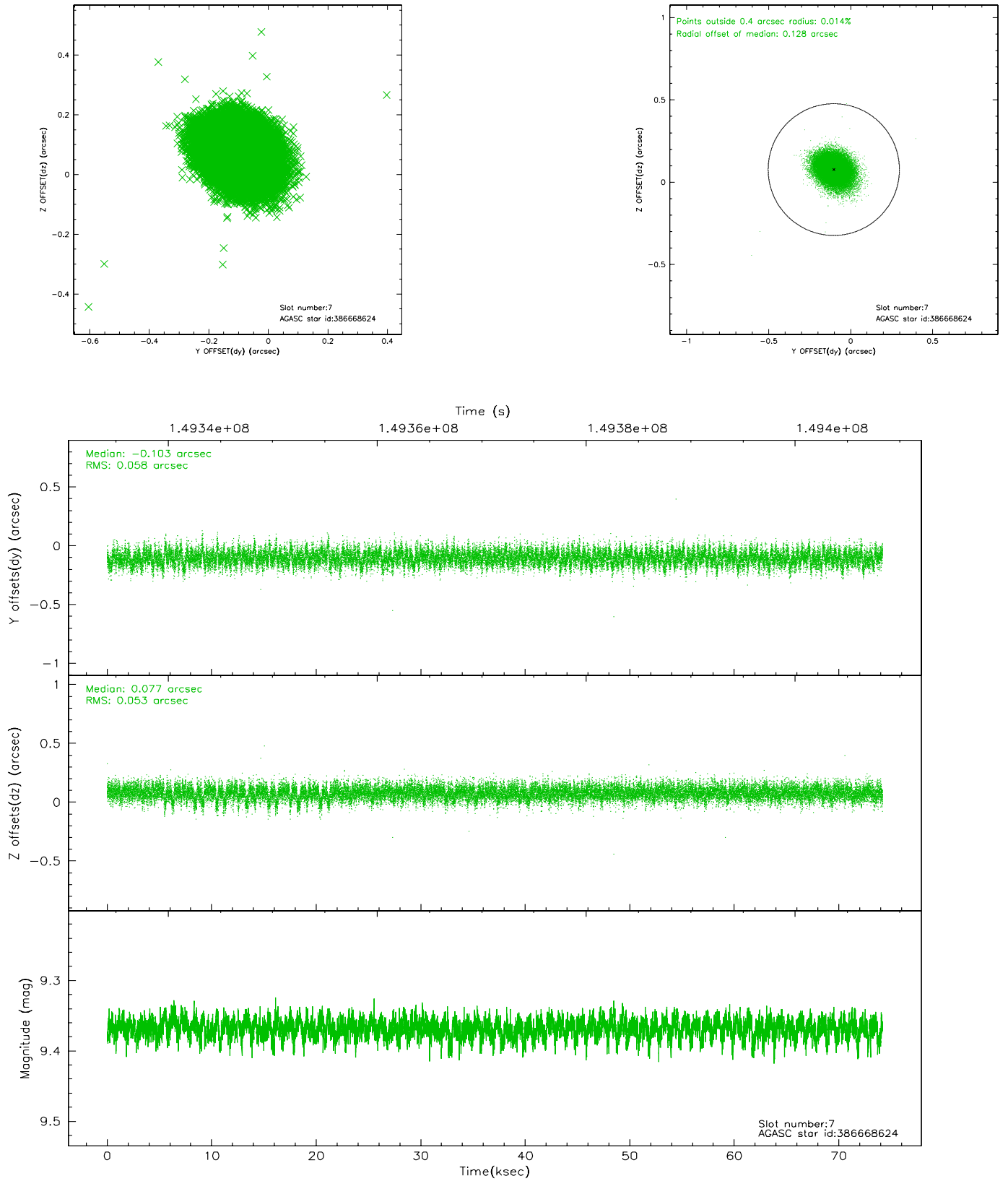


## 2.4.4 Slot 6



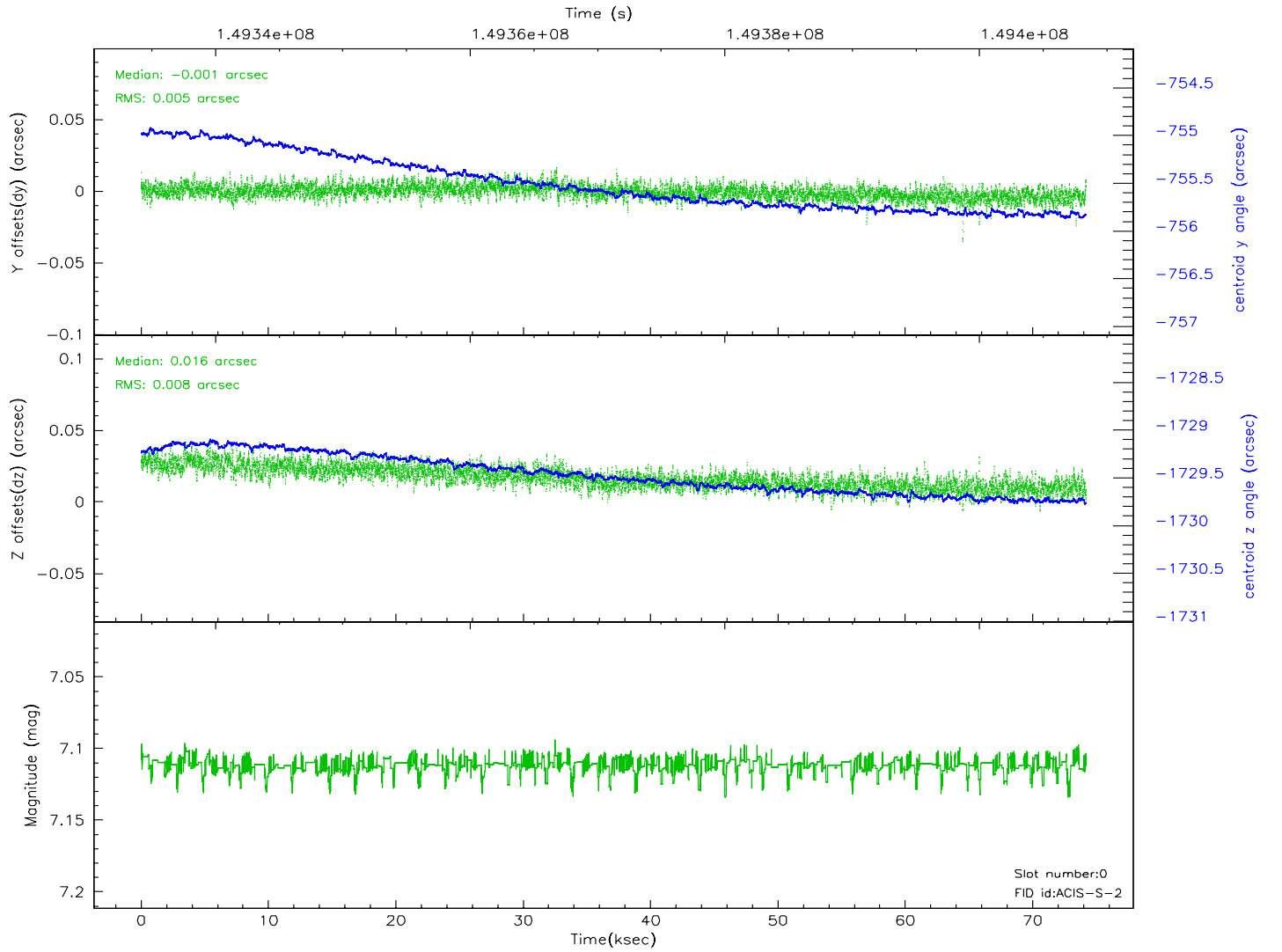
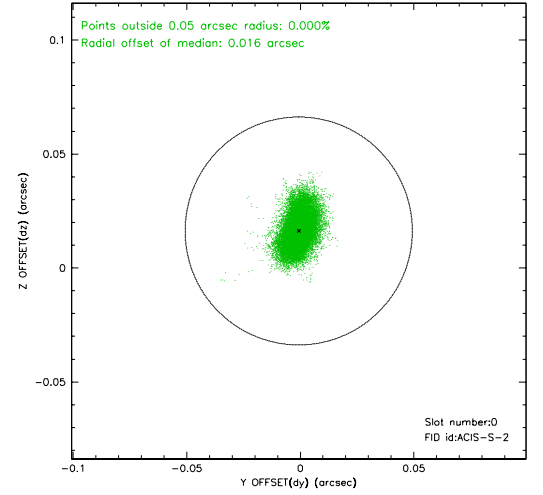
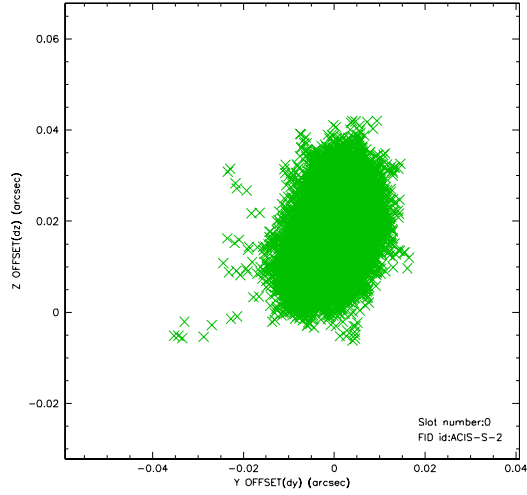


## 2.4.5 Slot 7

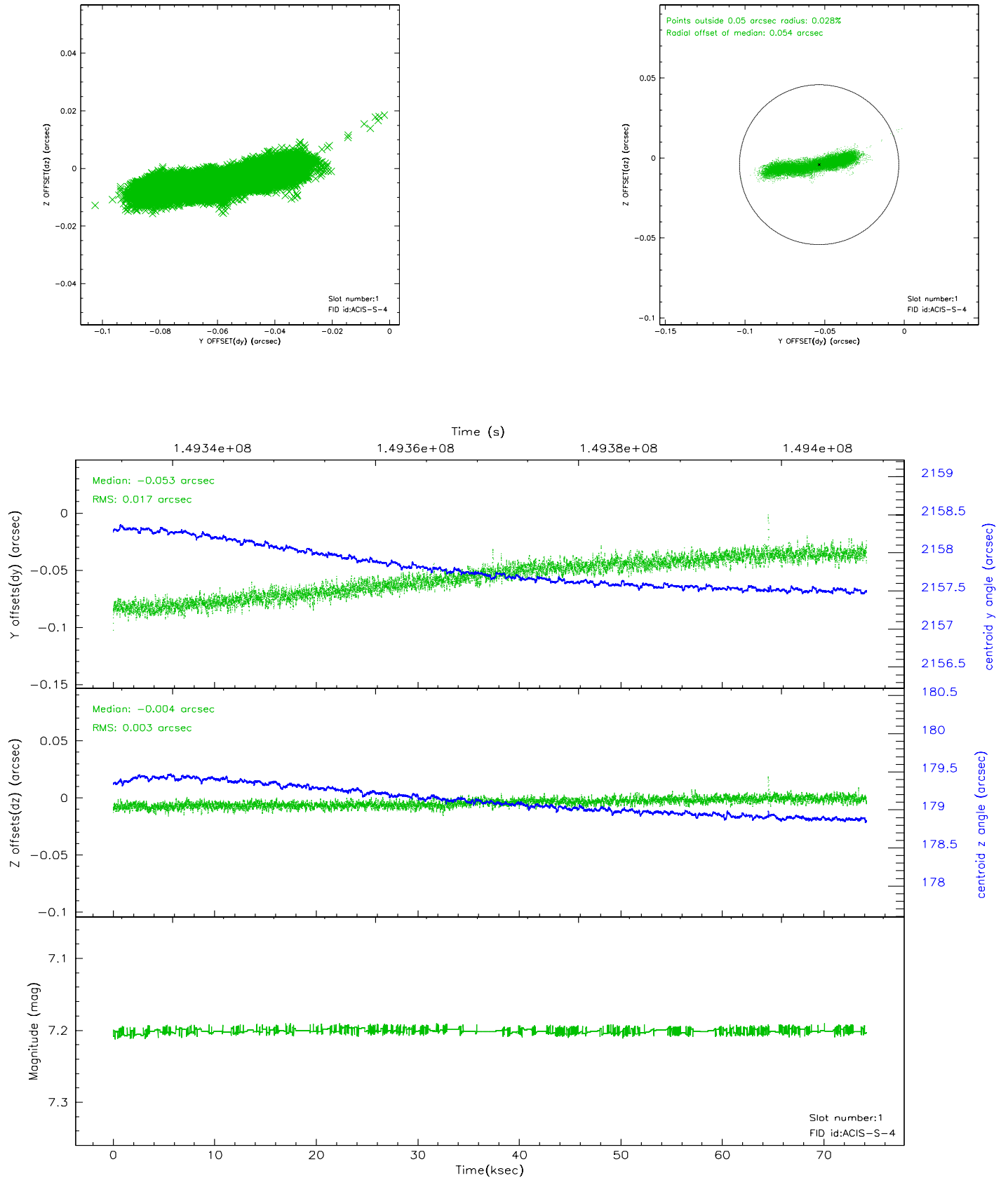


## 2.5 FID Slots

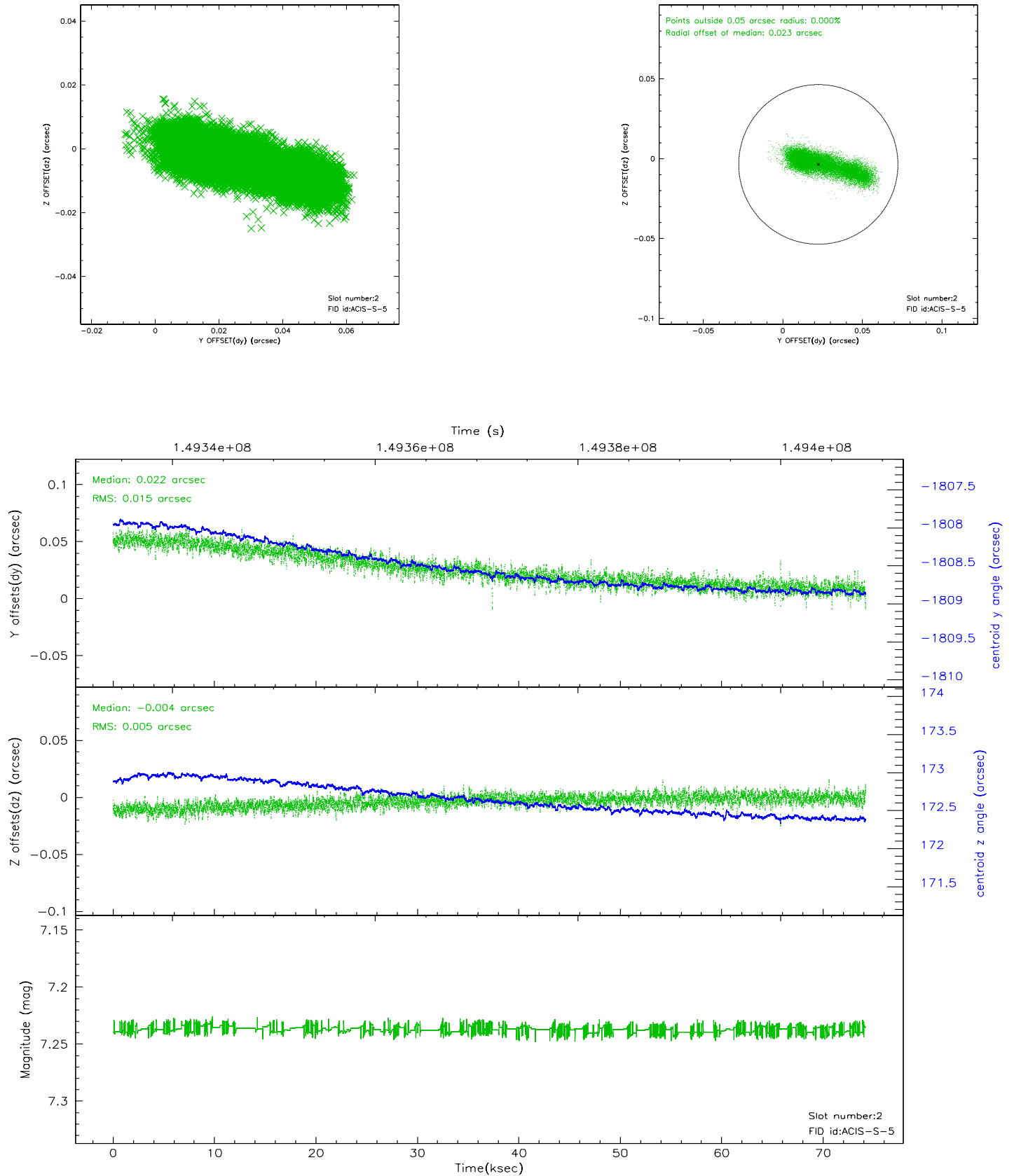
### 2.5.1 Slot 0



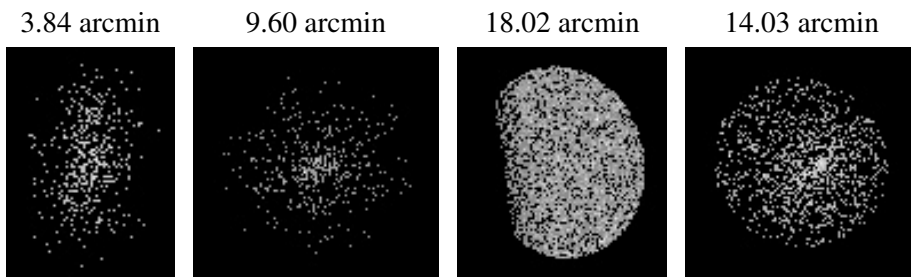
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	74.204

### A.2 Comments