

V&V Reference Report

L2 ASCDS Version : 7.6.11.4

Observation 896 - L2 Version 5
Chandra X-Ray Center

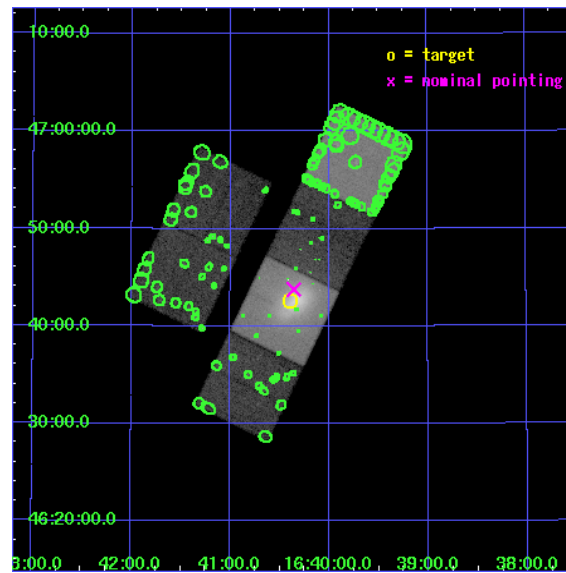
L2 Processing Date : Jan 30 2008

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1 Front

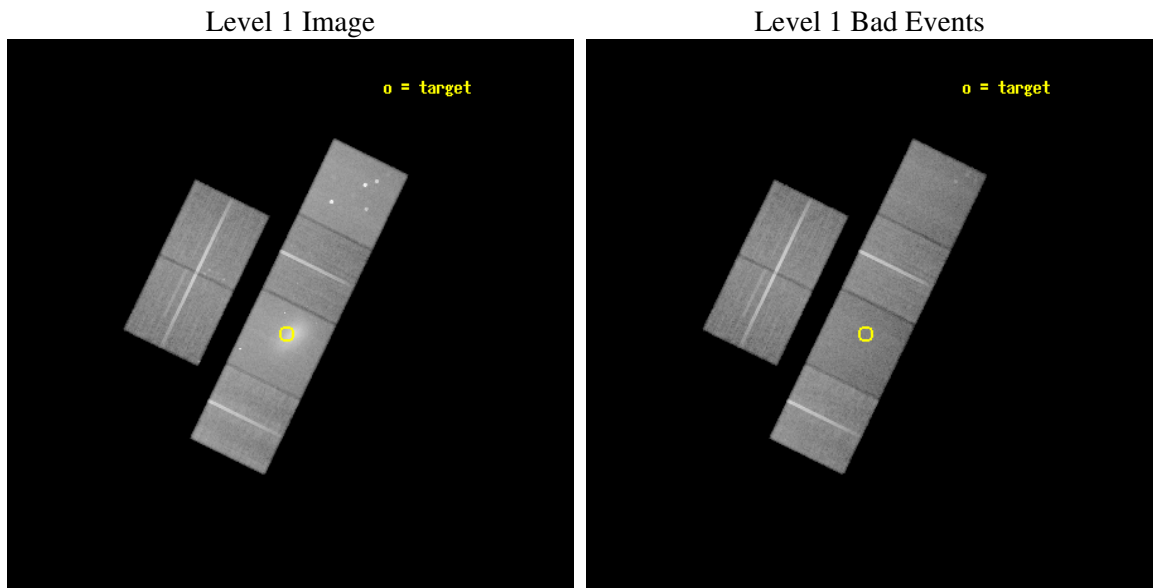
seq_num	800072
obs_id	896
title	X-RAY STRUCTURE OF LENSING CLUSTERS
observer	Dr. John Houck
object	ABELL 2219
dtcycle	0
cycle	P
ra_targ	250.1
dec_targ	46.71
ra_nom	250.08907028944
dec_nom	46.729778283182
roll_nom	115.92086407115
revision	5
ontime	42838.400039896
livetime	42295.954424403
ontime2	42838.400039896
ontime3	42838.400039896
ontime5	42838.400039896
ontime6	42838.400039896
ontime7	42838.400039896
ontime8	42835.159049749
l2events	577758



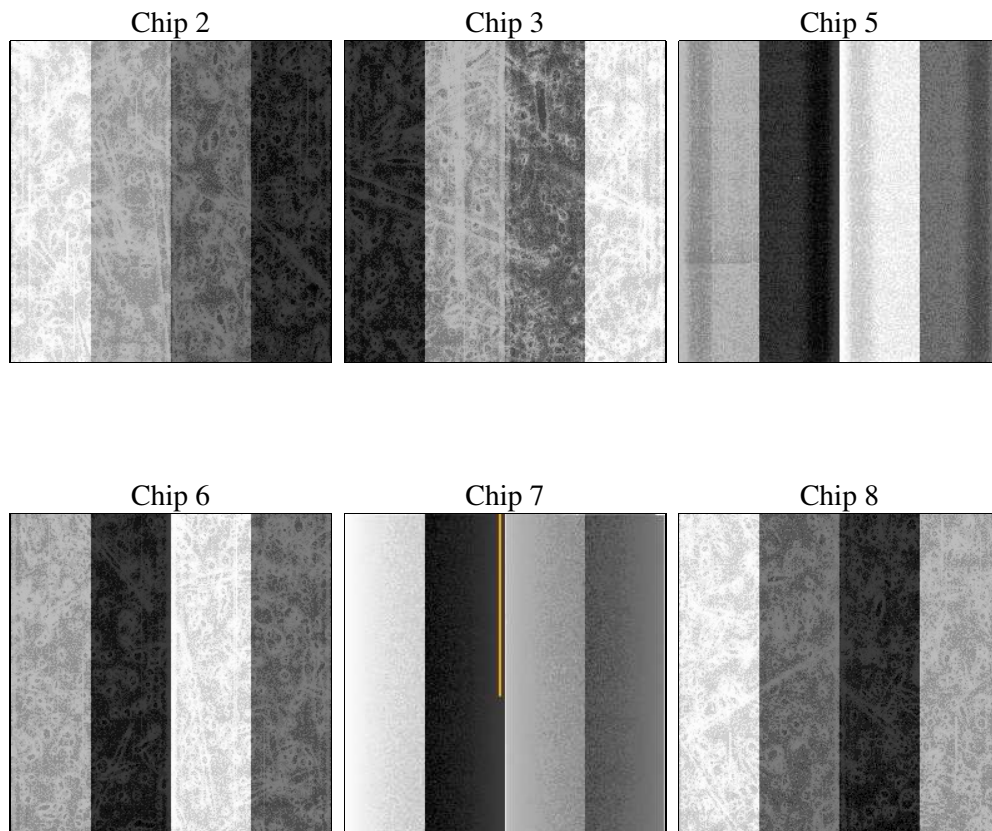
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11.4
caldsver	3.4.2
date	2008-01-12T00:56:13
revision	5

sched_exp_time	42500.000000
ontime	42838.400039896
ontime2	42838.400039896
ontime3	42838.400039896
ontime5	42838.400039896
ontime6	42838.400039896
ontime7	42838.400039896
ontime8	42835.159049749
l1events	2227098

2.1.4 Events

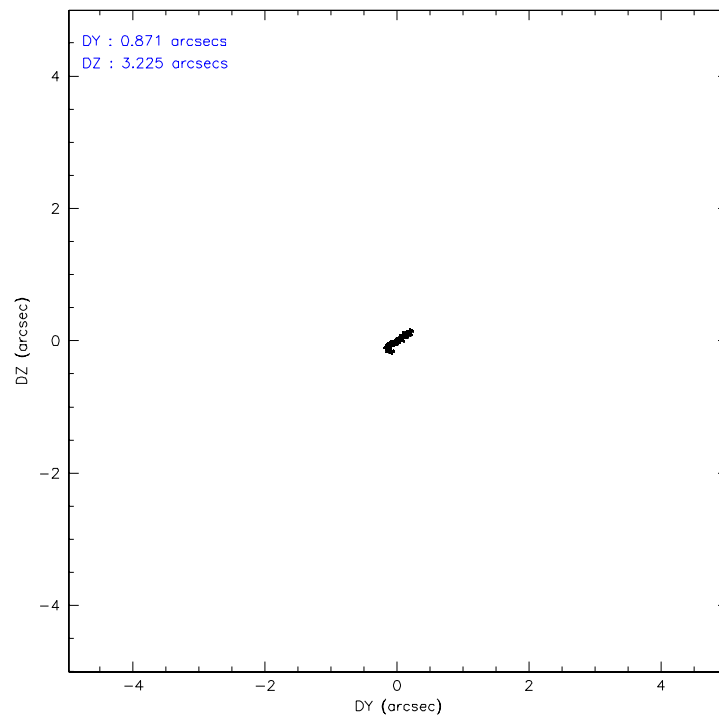
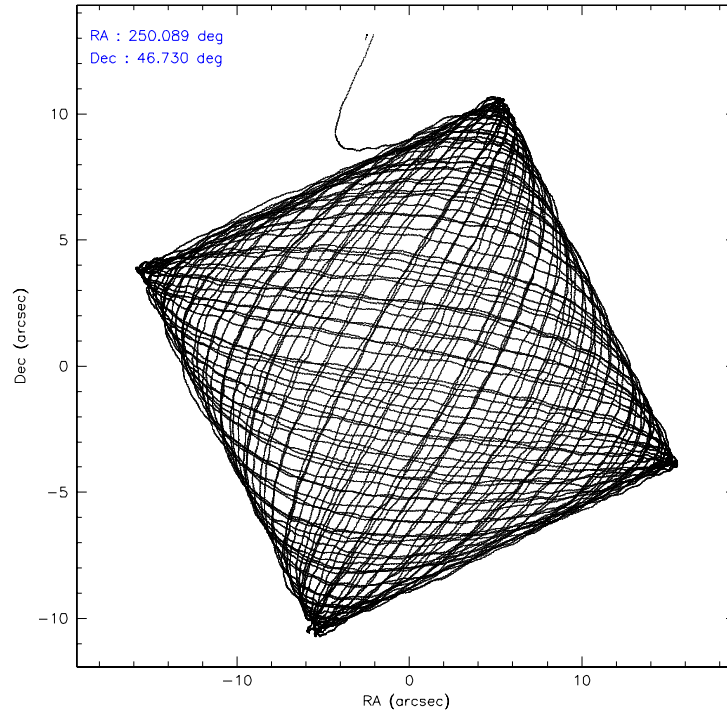
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	320761	309256	406291	317157	494006	379627
rejected events	287600	276769	211346	279019	205642	306494
rejected %	89%	89%	52%	87%	41%	80%

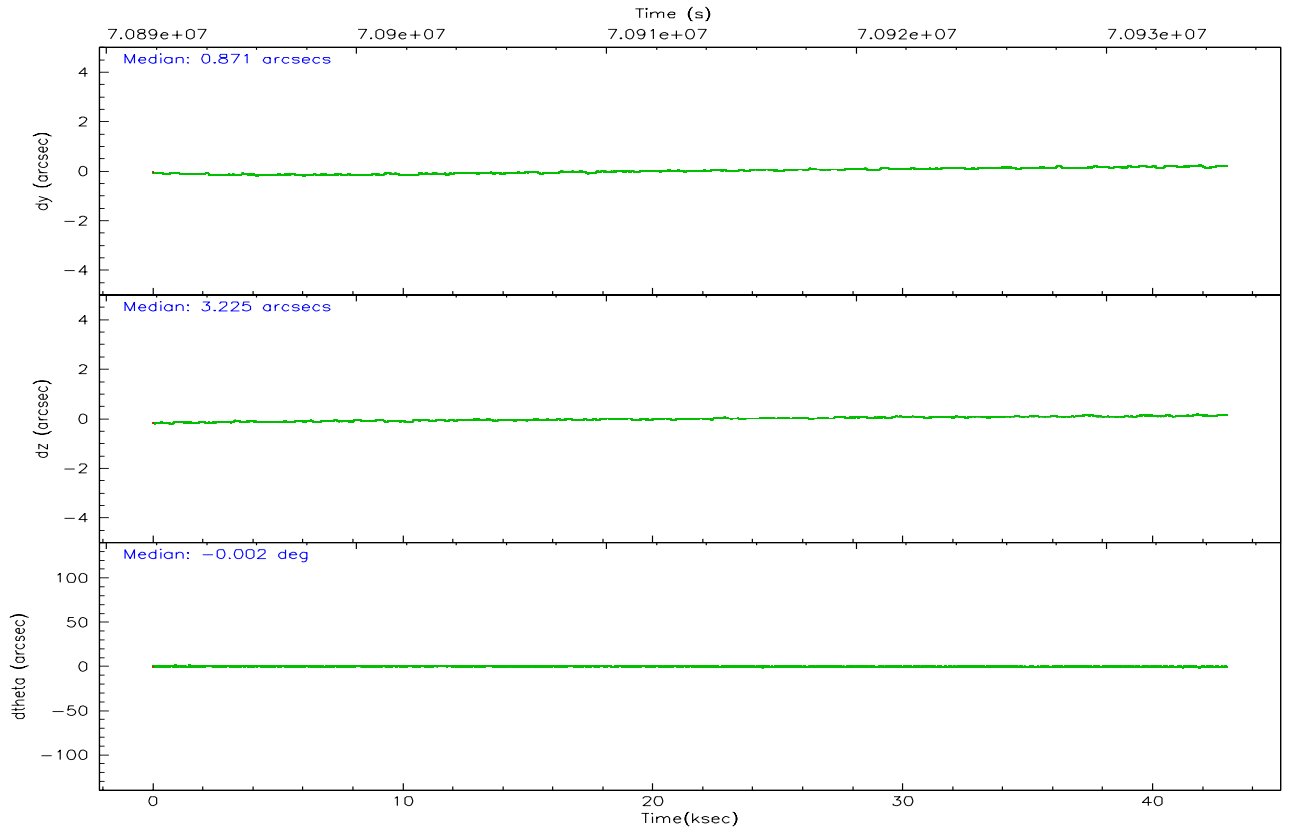
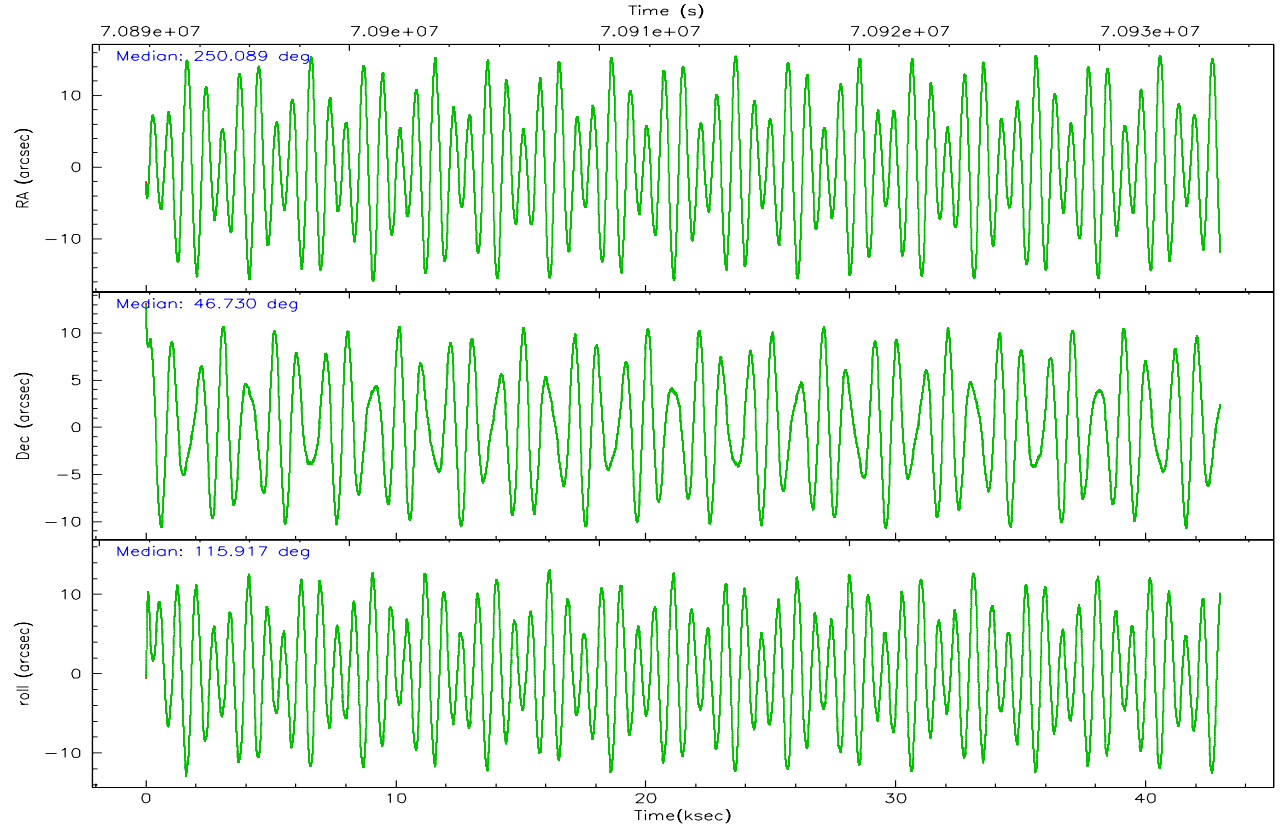
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	14384	14635	32395	17967	59942	23833
	4%	4%	7%	5%	12%	6%
grade 1 events	126	152	629	136	352	211
	0%	0%	0%	0%	0%	0%
grade 2 events	6914	6047	52754	6799	65035	15505
	2%	1%	12%	2%	13%	4%
grade 3 events	3262	3237	8206	3573	29655	8032
	1%	1%	2%	1%	6%	2%
grade 4 events	3080	3223	7921	3474	29277	7440
	0%	1%	1%	1%	5%	1%
grade 5 events	9327	10265	29992	11557	34813	14441
	2%	3%	7%	3%	7%	3%
grade 6 events	5528	5348	93705	6334	104490	18330
	1%	1%	23%	1%	21%	4%
grade 7 events	278140	266349	180689	267317	170442	291835
	86%	86%	44%	84%	34%	76%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	250.122269	250.0890702894366	Subarray requested	NONE	NONE
Pointing Dec	46.714405	46.72977828318222	Alternating exposures requested	N	N
Pointing Roll	115.740073	115.9208640711472	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	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	70892345.184000	70891044.186727			
Observation start date	2000-03-31T12:18:01	2000-03-31T11:57:24			
Observation end time	70934845.184000	70935816.700865			
Observation end date	2000-04-01T00:06:21	2000-04-01T00:23:36			
Read mode	TIMED	TIMED			

2.3 Aspect



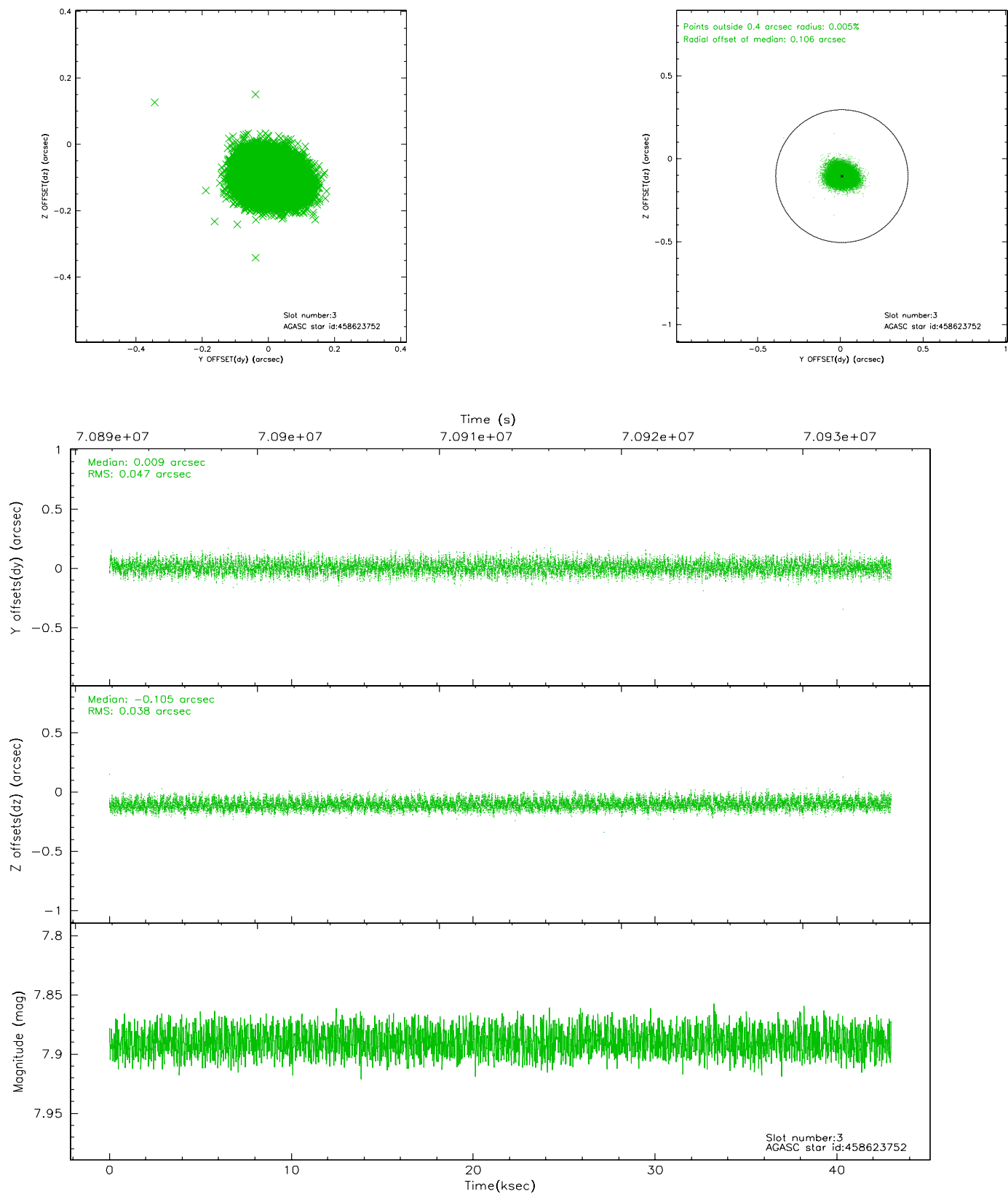


Slot Statistics

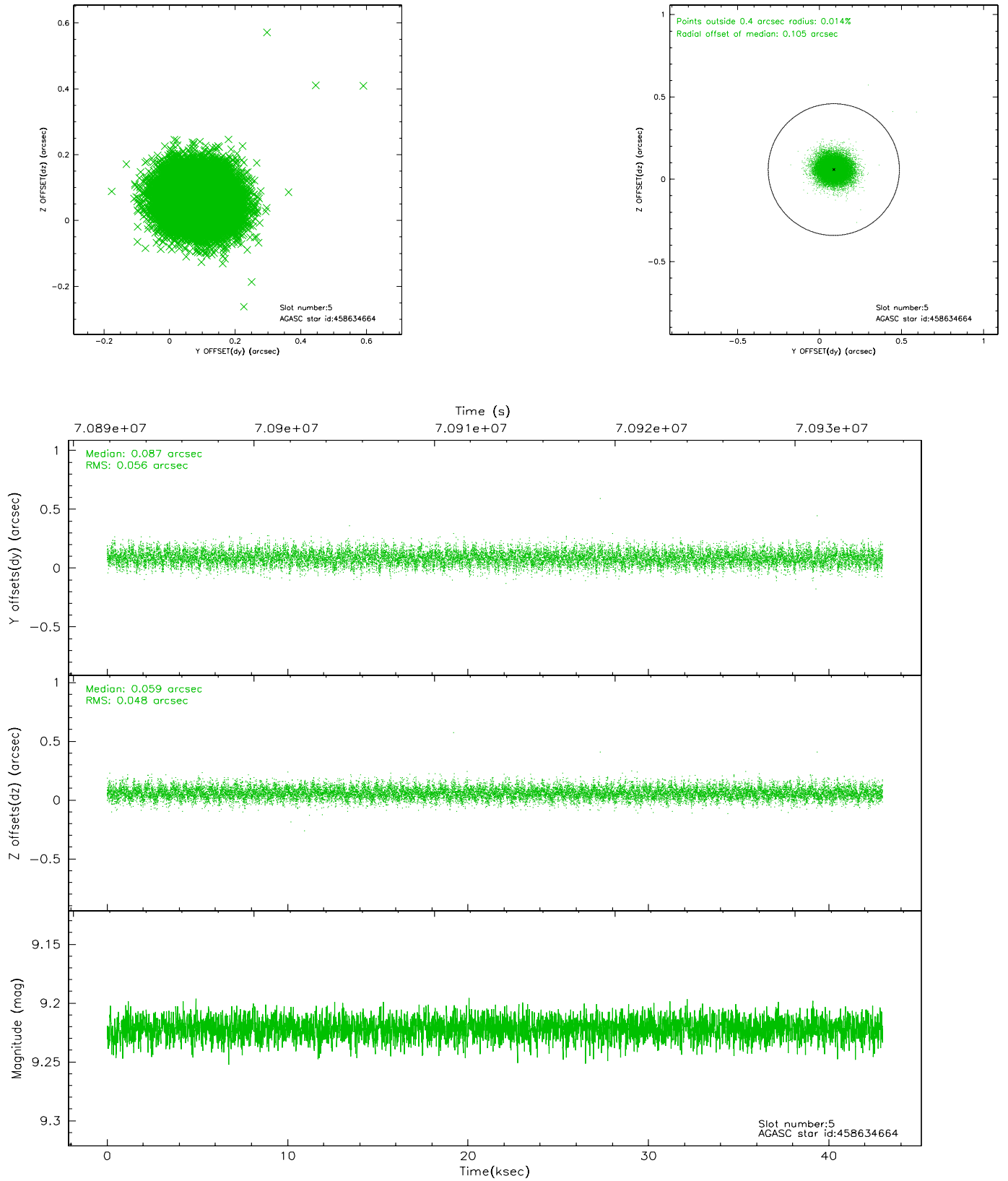
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	10484	0.009	0.012	0.007	0.012	0.000000	0.000000	-753.50	-1724.20
1	FID	ACIS-S-4	7.21	10480	-0.040	-0.008	0.005	0.009	0.000000	0.000000	2159.77	184.18
2	FID	ACIS-S-5	7.24	10484	-0.000	0.005	0.007	0.011	0.000000	0.000000	-1806.30	177.98
3	GUIDE	458623752	7.89	20959	0.009	-0.105	0.065	0.103	249.631548	46.393849	-507.07	1596.52
4	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
5	GUIDE	458634664	9.22	20959	0.087	0.059	0.078	0.127	251.009501	46.332103	-2186.21	-1394.68
6	GUIDE	458621344	9.95	20894	-0.113	0.072	0.110	0.177	250.294958	47.285824	1670.11	-1273.73
7	GUIDE	458629408	9.82	20881	0.015	-0.025	0.099	0.161	250.557292	47.098807	786.36	-1563.00

2.4 Star Slots

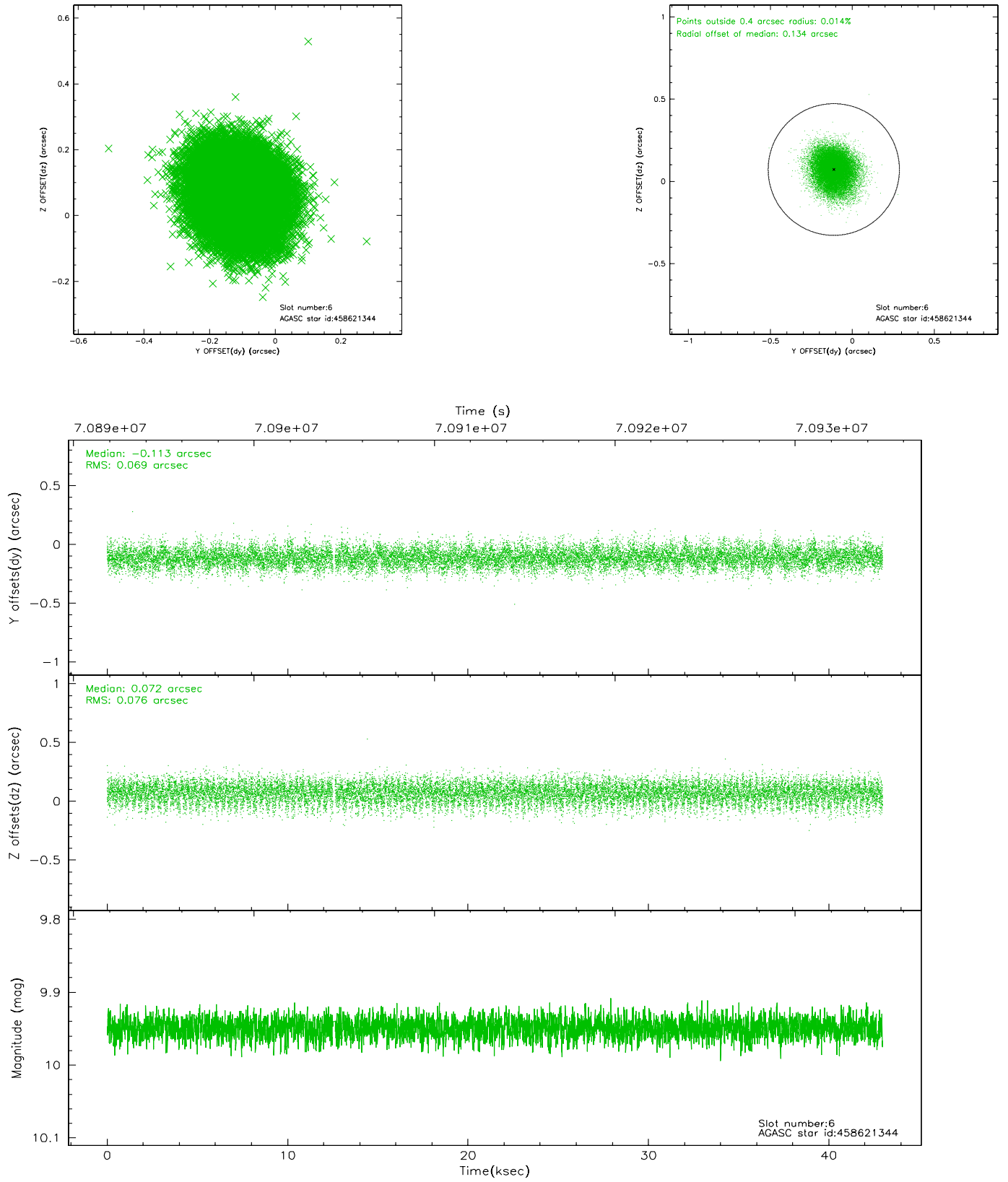
2.4.1 Slot 3



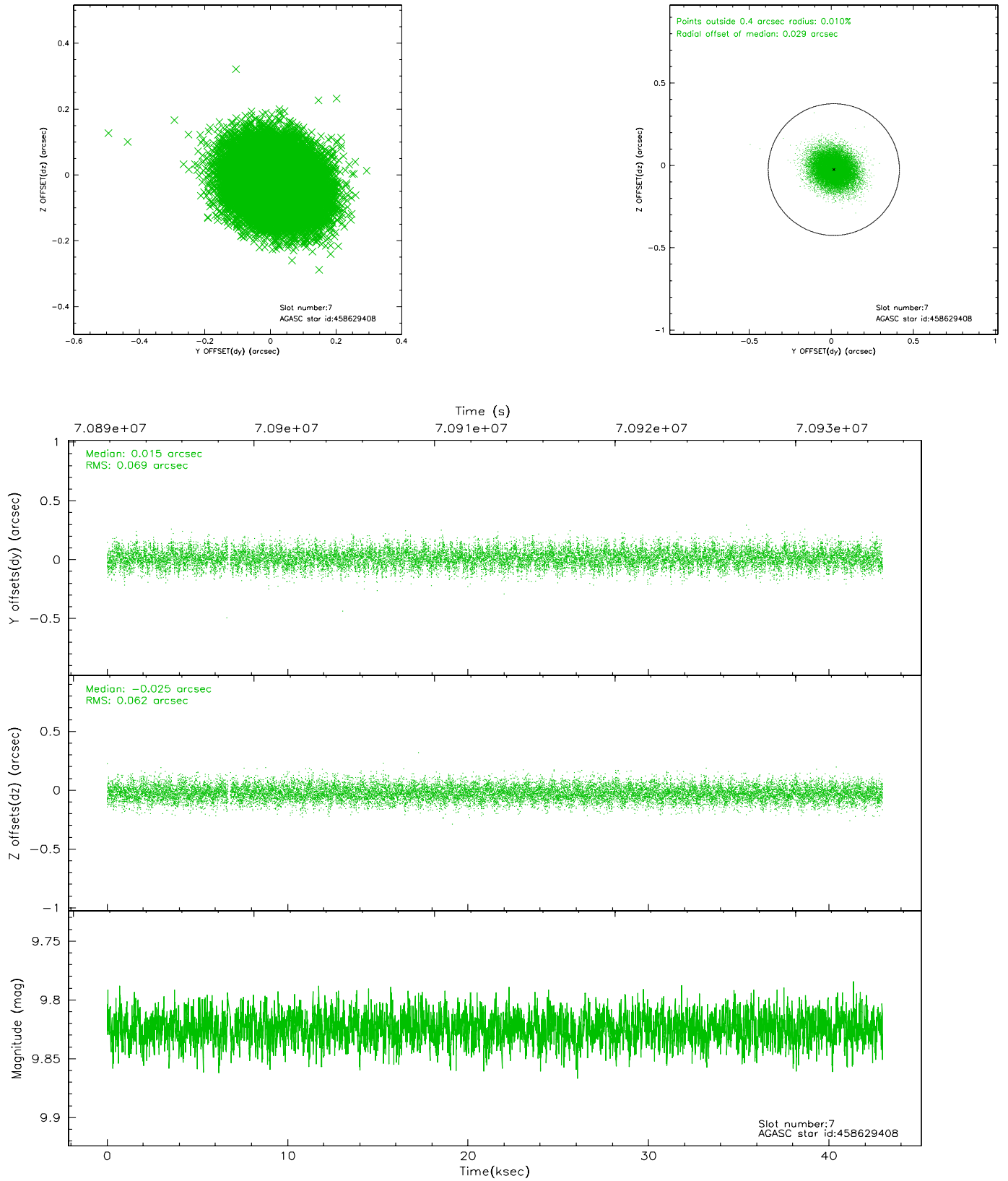
2.4.2 Slot 5



2.4.3 Slot 6

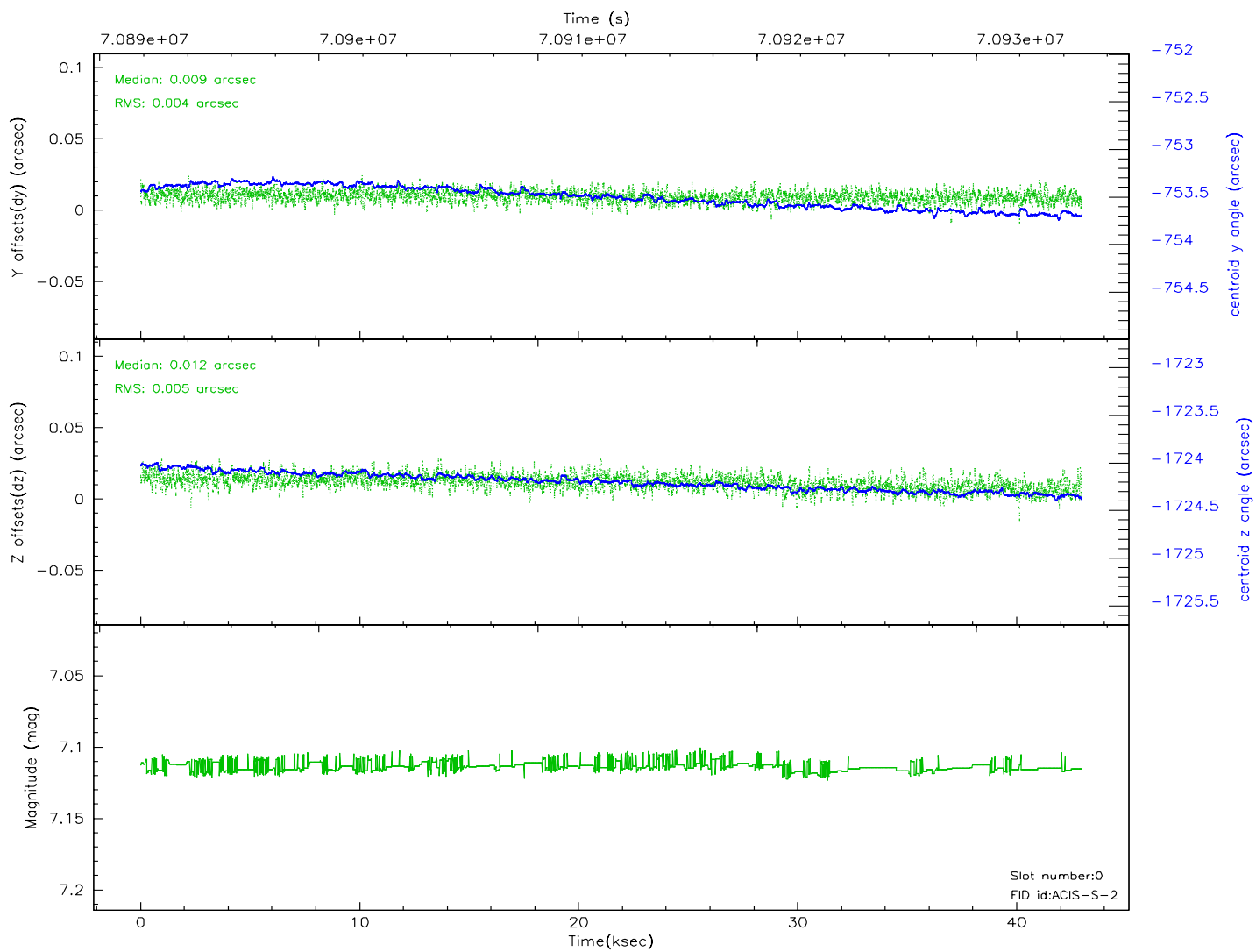
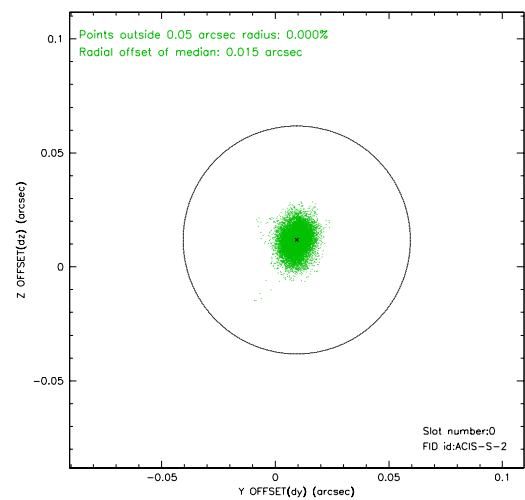
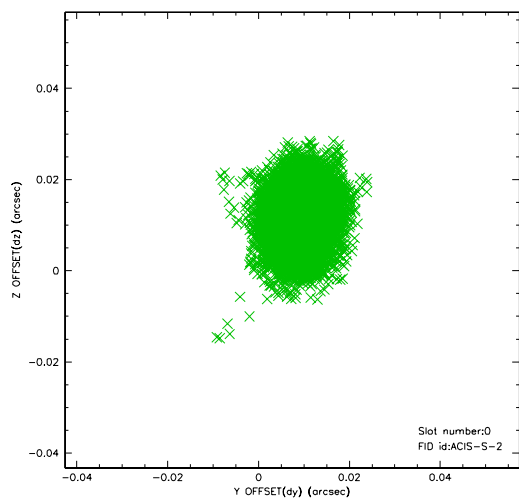


2.4.4 Slot 7

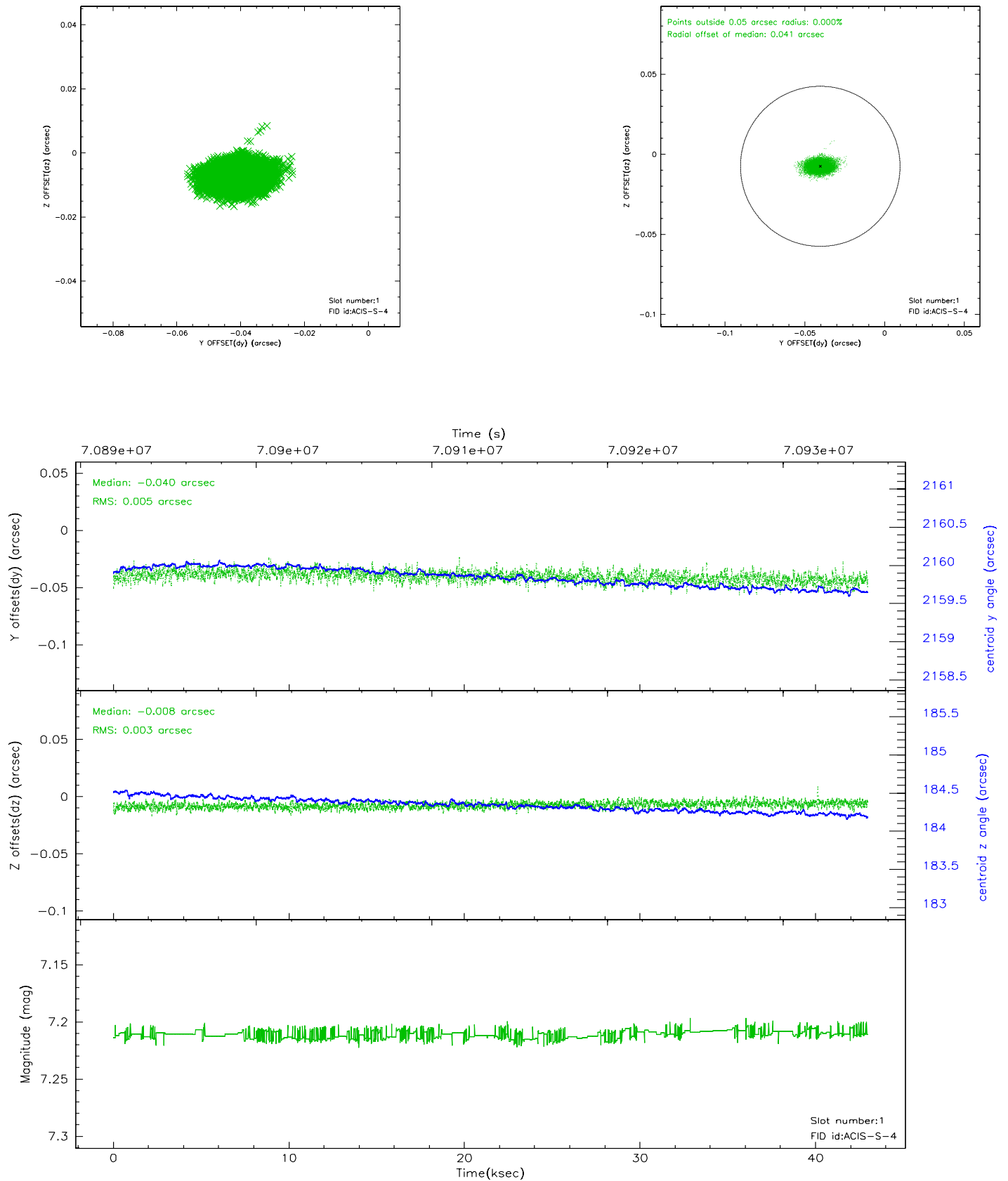


2.5 FID Slots

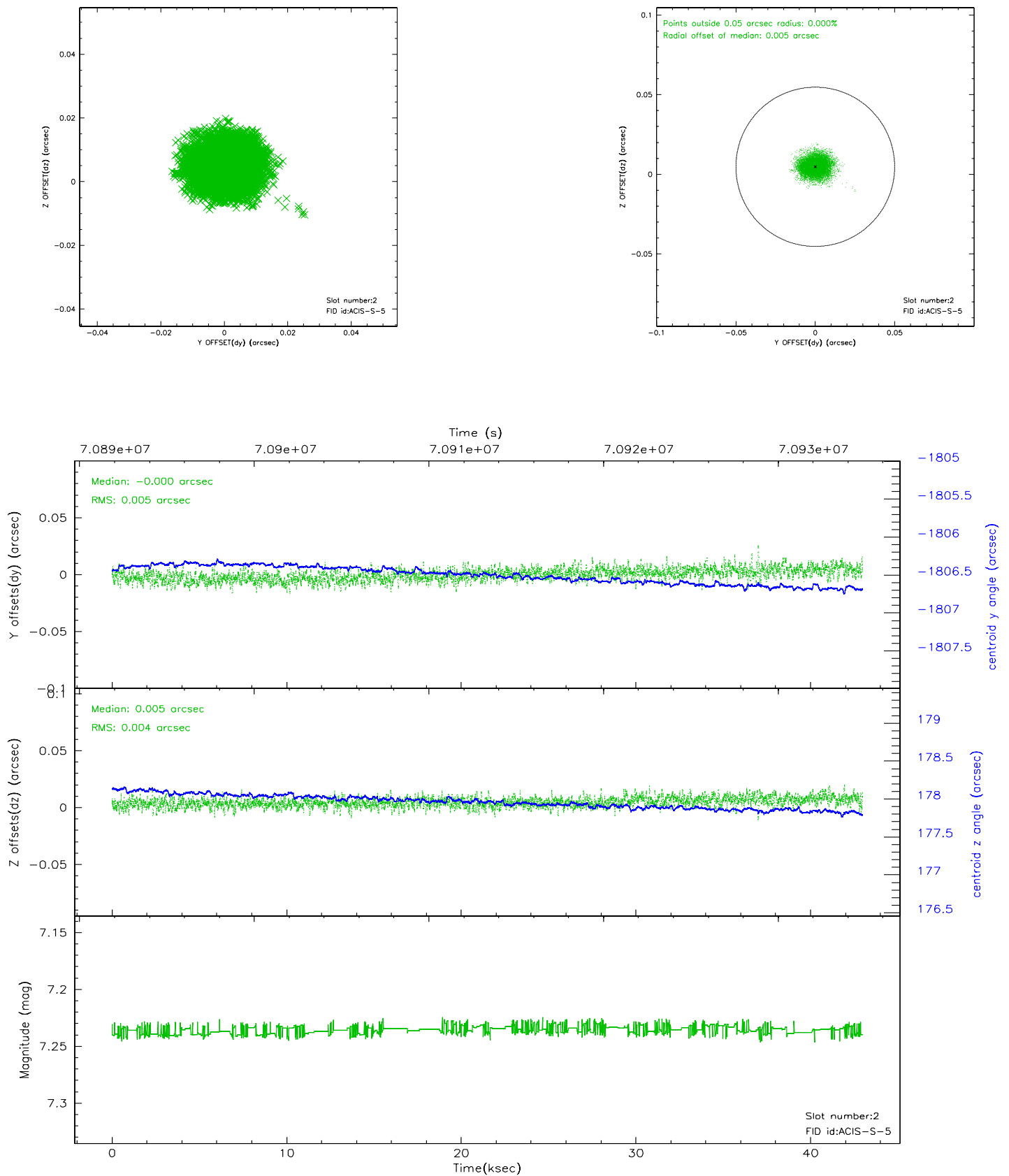
2.5.1 Slot 0



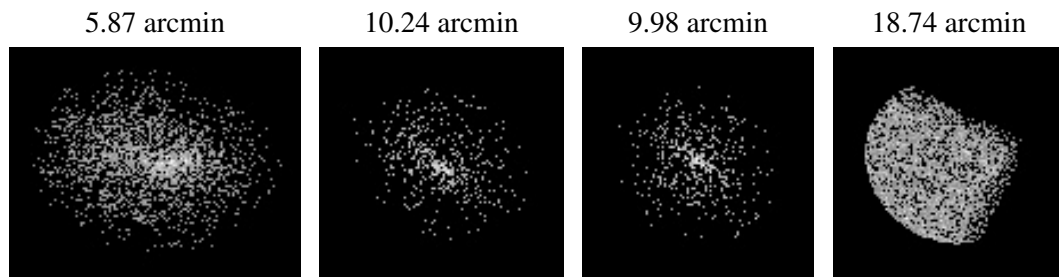
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2010.10.04
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	42.844

A.2 Comments

The guide star in slot 4 was manually excluded from the processing due to poor data quality.

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The bias map for CCD_ID = 7 was incomplete because of a data gap in telemetry. The bias map for chip 7 were reconstructed using scaled data from a comparable bias map for another observation to fill the data gaps. The pixels affected by the anomaly are bounded by sky coords: (250.02881,46.74274), (250.11790,46.61721), (250.12130,46.61834), (250.03221,46.74387)