

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 3412 - L2 Version 002
Chandra X-Ray Center

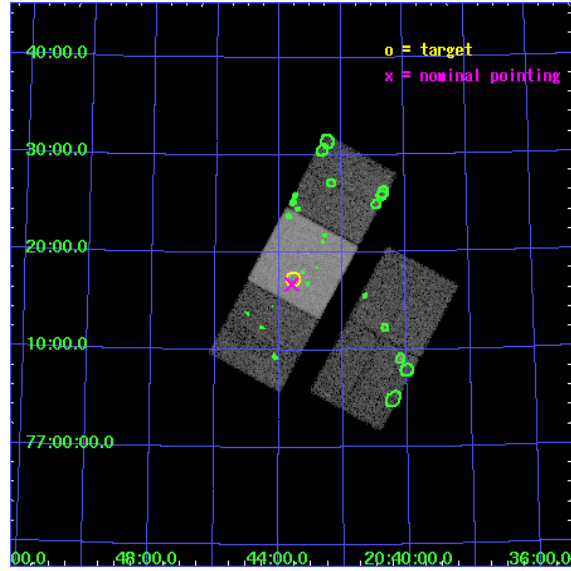
L2 Processing Date : Jan 30 2007

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1 Front

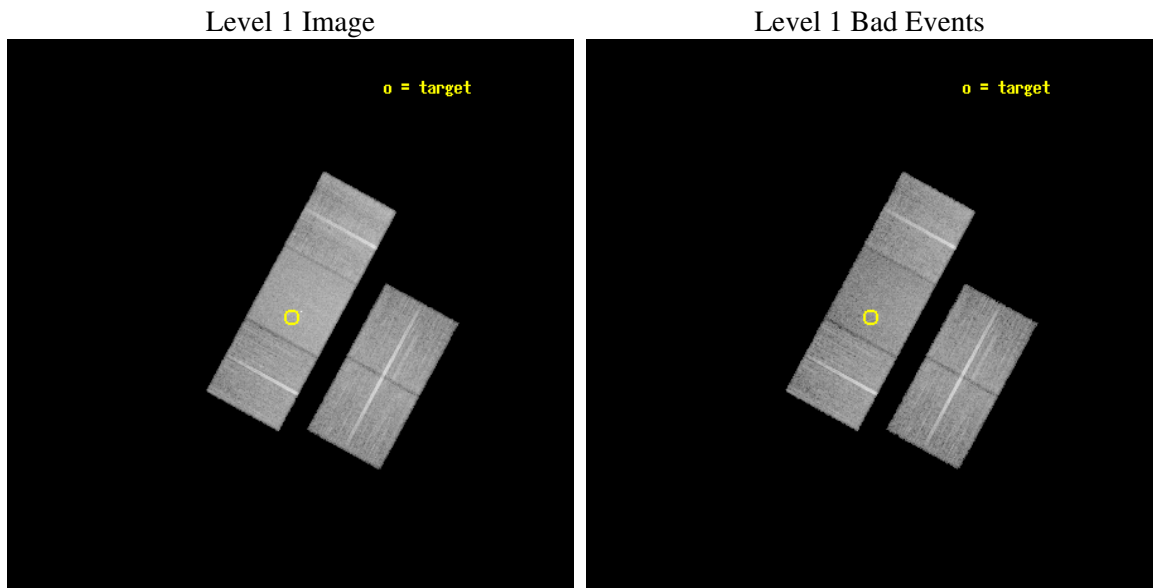
seq_num	100032
obs_id	3412
title	X-RAY OBSERVATIONS OF THE FIRST COUNTERPART TO A FAST X-RAY TRANSIENT, XRF010930
observer	PROF FIONA HARRISON
object	FXRT011030
dtcycle	0
cycle	P
ra_targ	310.884583
dec_targ	77.288583
ra_nom	310.89848037359
dec_nom	77.2793519001
roll_nom	298.5575467638
revision	3
ontime	20122.099961311
livetime	19859.189911642
ontime2	20122.099961311
ontime3	20122.099961311
ontime6	20122.099961311
ontime7	20122.099961311
ontime8	20122.099961311
l2events	129910



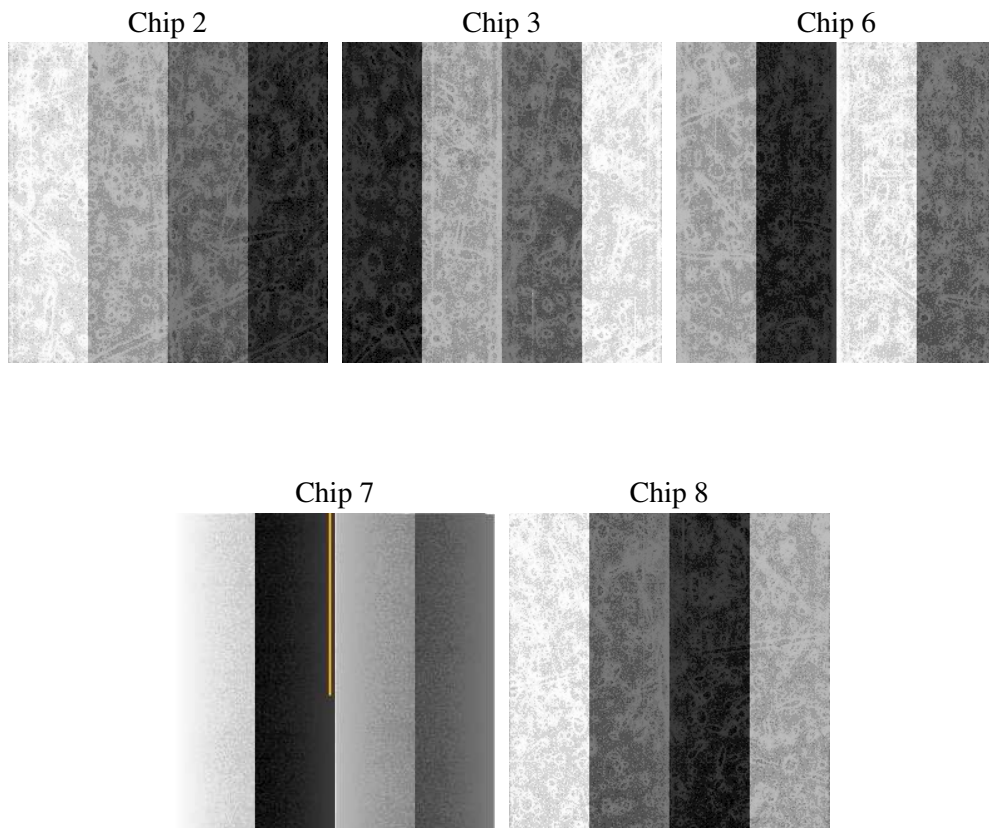
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.10
caldbver	3.3.0
date	2007-01-30T23:54:18
revision	3

sched_exp_time	20000.000000
ontime	20122.099961311
ontime2	20122.099961311
ontime3	20122.099961311
ontime6	20122.099961311
ontime7	20122.099961311
ontime8	20122.099961311
llevents	988609

2.1.4 Events

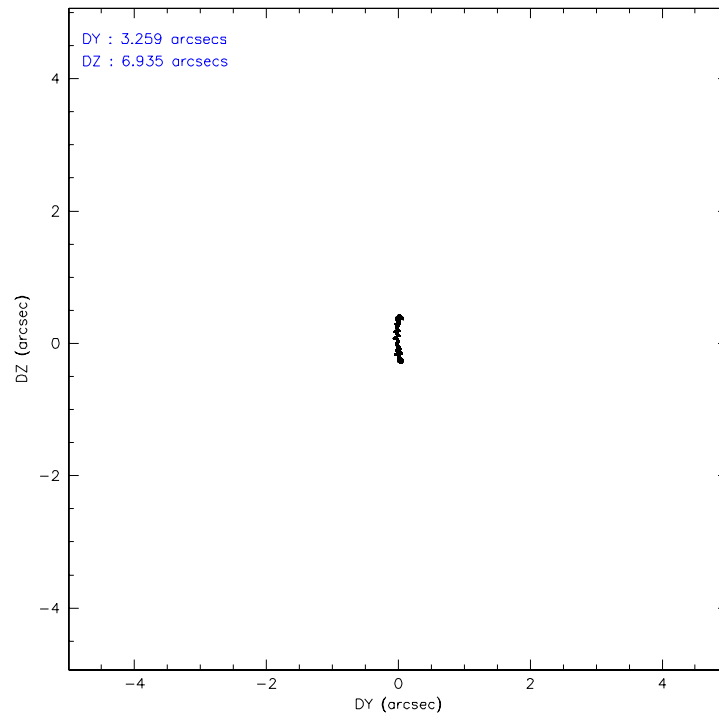
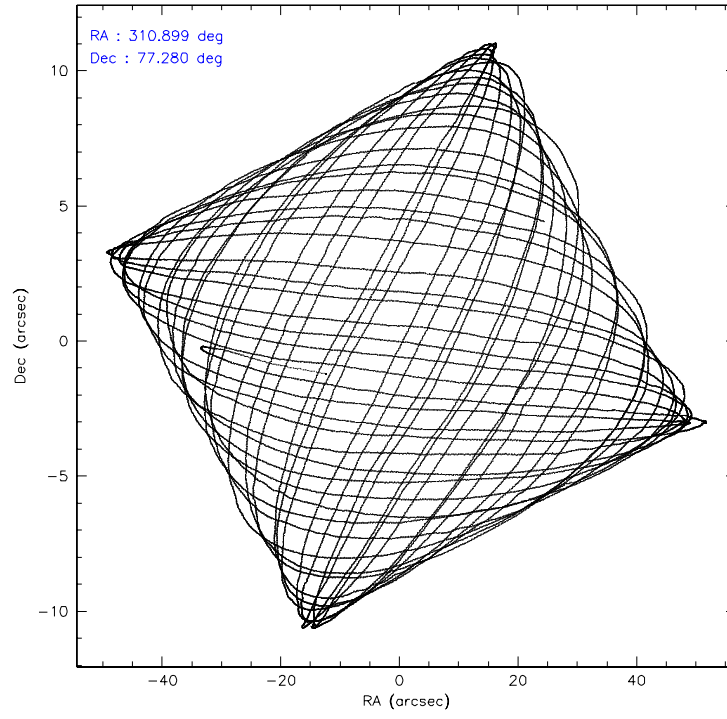
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	166864	171307	180057	256047	214334
rejected events	151053	155911	163967	181644	176206
rejected %	90%	91%	91%	70%	82%

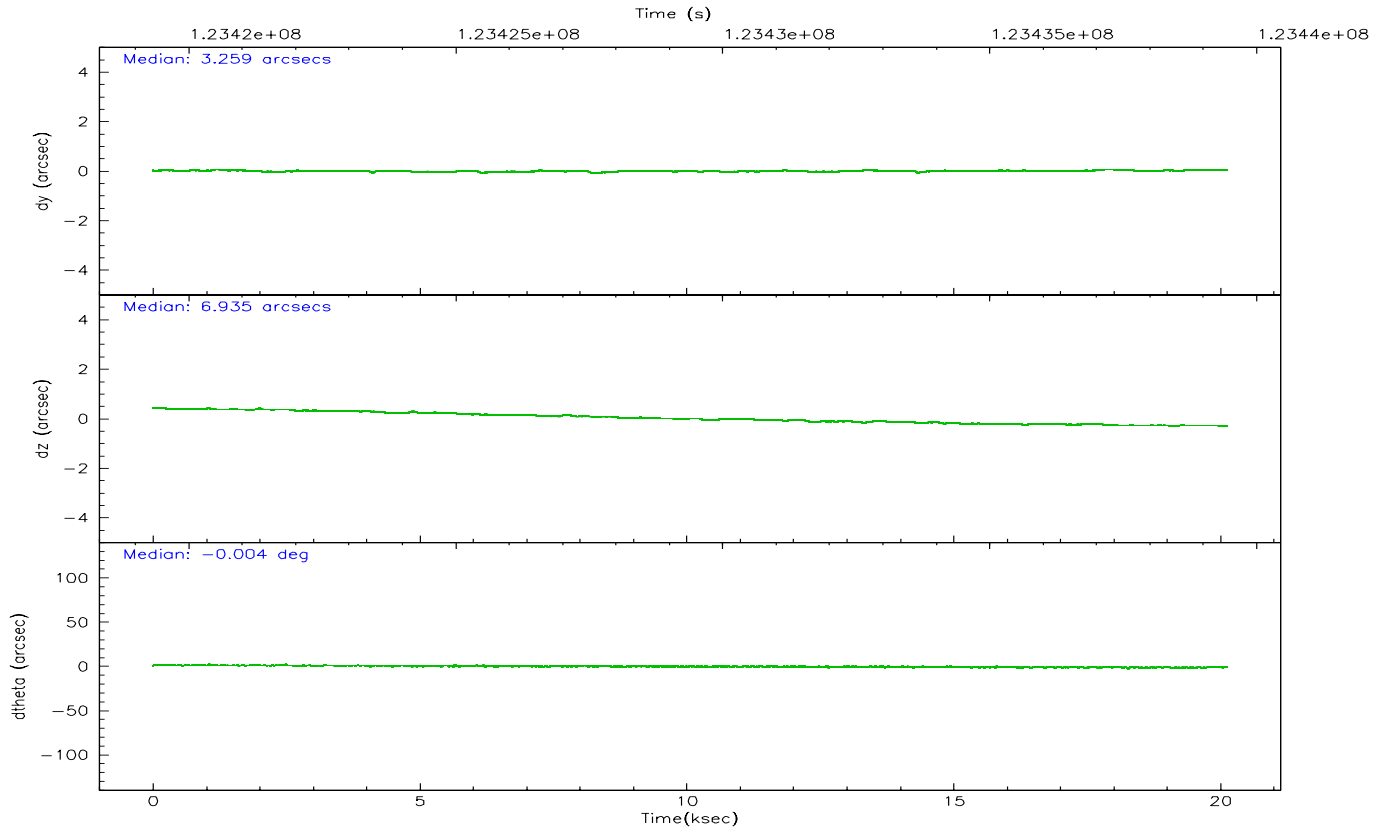
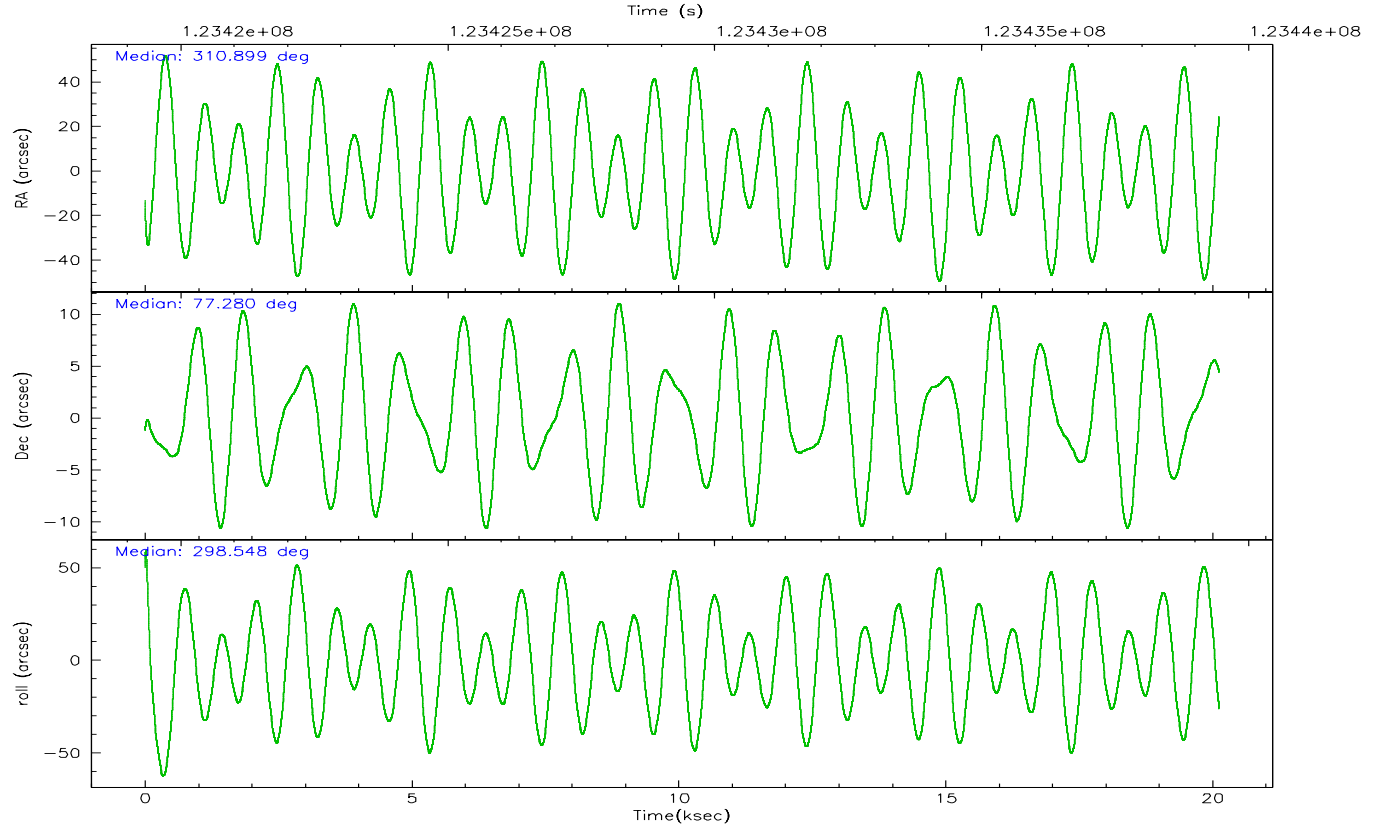
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	23790	23925	25414	24565	30447
	14%	13%	14%	9%	14%
grade 1 events	151	147	160	194	203
	0%	0%	0%	0%	0%
grade 2 events	8521	8438	9059	30449	14142
	5%	4%	5%	11%	6%
grade 3 events	3340	3412	3659	14203	6433
	2%	1%	2%	5%	3%
grade 4 events	3357	3330	3639	13840	6186
	2%	1%	2%	5%	2%
grade 5 events	4913	5755	6184	18160	8097
	2%	3%	3%	7%	3%
grade 6 events	7142	7197	8516	63244	14668
	4%	4%	4%	24%	6%
grade 7 events	115650	119103	123426	91392	134158
	69%	69%	68%	35%	62%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23678	ACIS-23678	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	310.792007	310.8984803735874	Subarray requested	NONE	NONE
Pointing Dec	77.293249	77.27935190010031	Alternating exposures requested	N	N
Pointing Roll	298.504731	298.5575467638035	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	123419449.184000	123417415.66163			
Observation start date	2001-11-29T11:09:45	2001-11-29T10:36:55			
Observation end time	123439449.184000	123440487.38755			
Observation end date	2001-11-29T16:43:05	2001-11-29T17:01:27			
Read mode	TIMED	TIMED			

2.3 Aspect



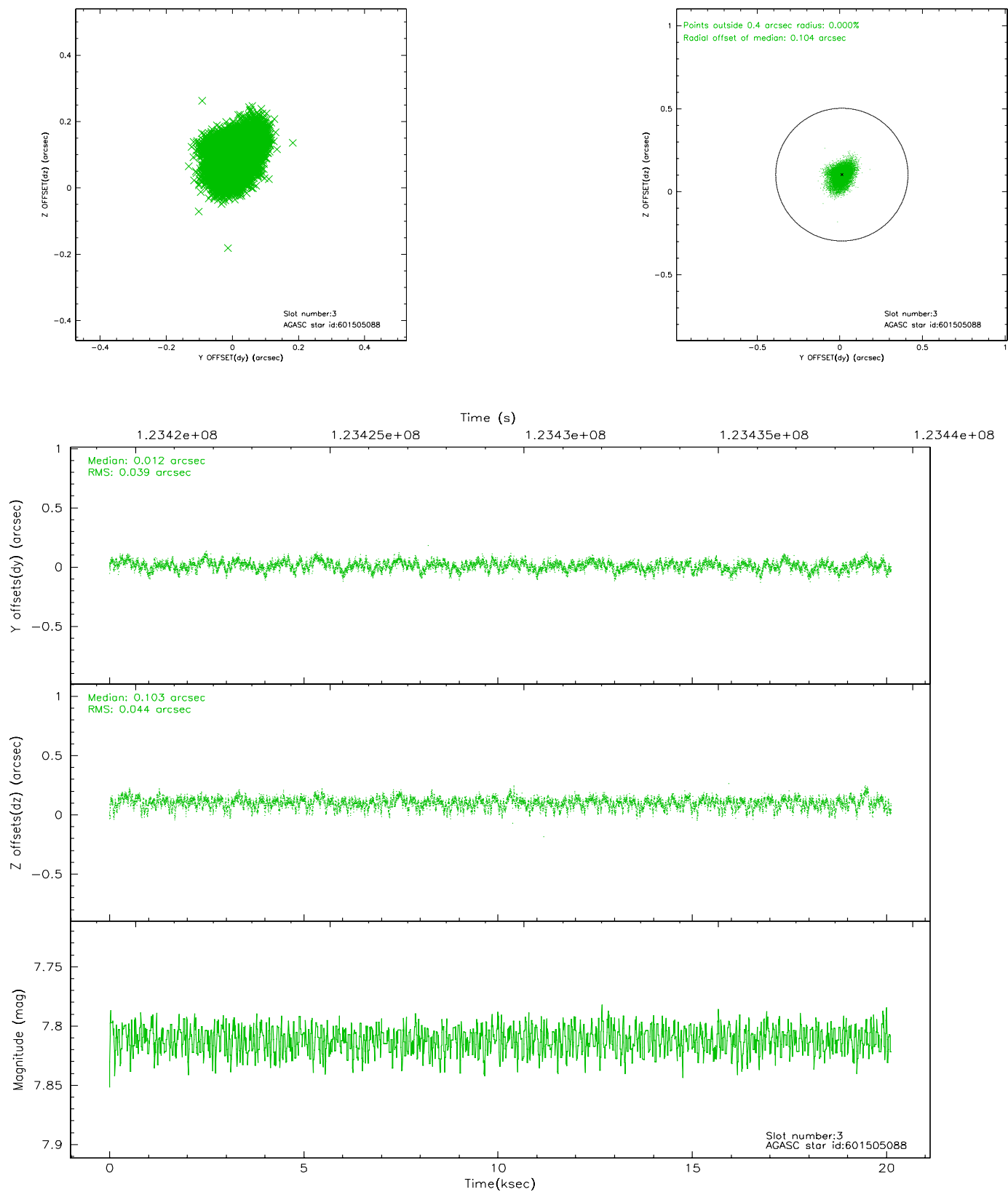


Slot Statistics

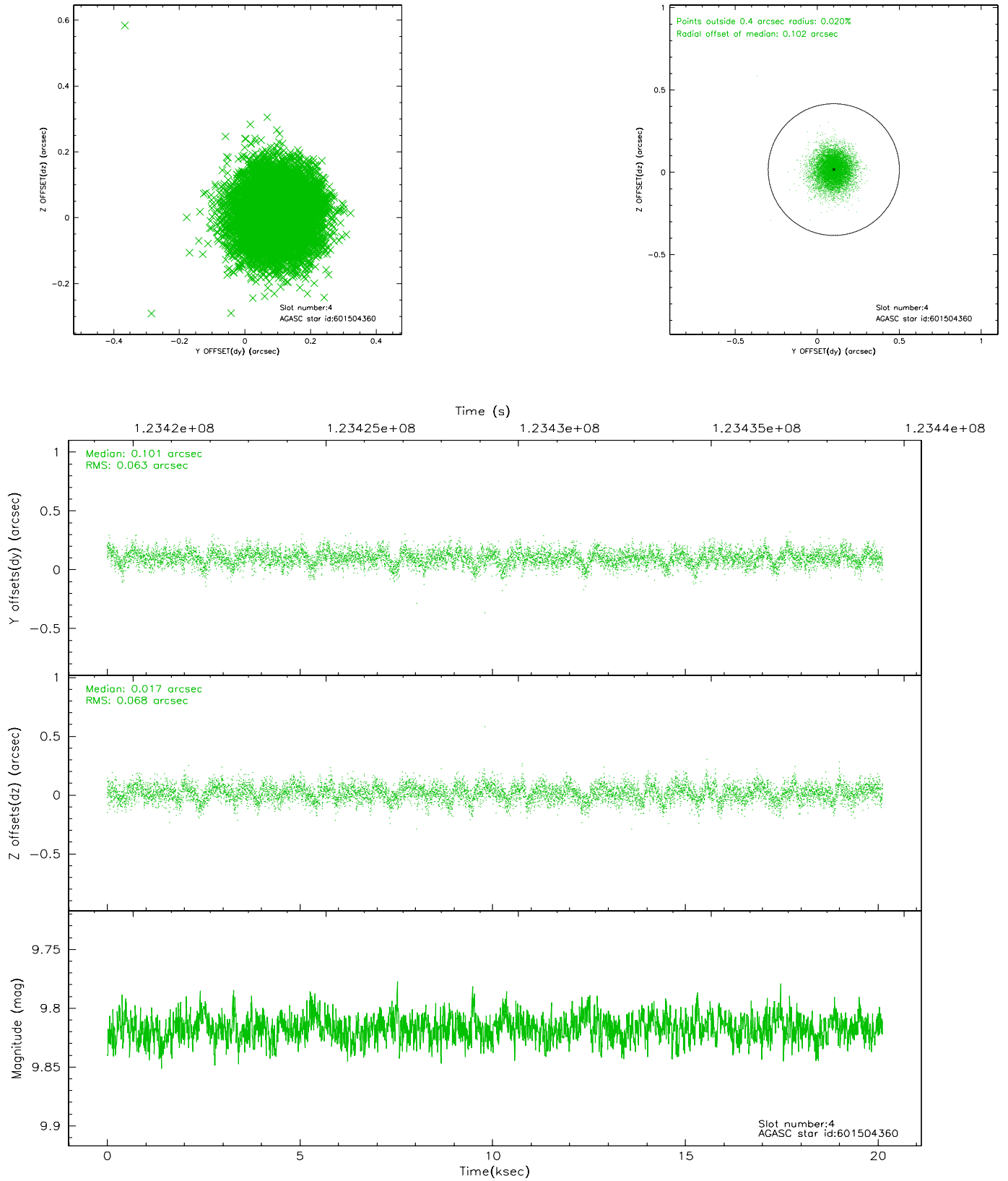
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4909	-0.001	0.032	0.009	0.014	0.000000	0.000000	-755.90	-1728.10
1	FID	ACIS-S-4	7.20	4909	-0.069	-0.008	0.009	0.015	0.000000	0.000000	2157.21	180.16
2	FID	ACIS-S-5	7.24	4909	0.038	-0.015	0.007	0.012	0.000000	0.000000	-1808.48	174.02
3	GUIDE	601505088	7.81	9811	0.012	0.103	0.061	0.103	307.953606	77.436284	-1558.66	-1682.11
4	GUIDE	601504360	9.82	9809	0.101	0.017	0.098	0.161	308.752775	77.505160	-1451.22	-1019.42
5	GUIDE	601633624	9.82	9806	-0.066	0.021	0.125	0.196	313.008559	77.412541	424.20	1747.61
6	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	GUIDE	601625592	10.14	9791	-0.044	-0.130	0.111	0.183	311.640347	77.197233	623.52	431.46

2.4 Star Slots

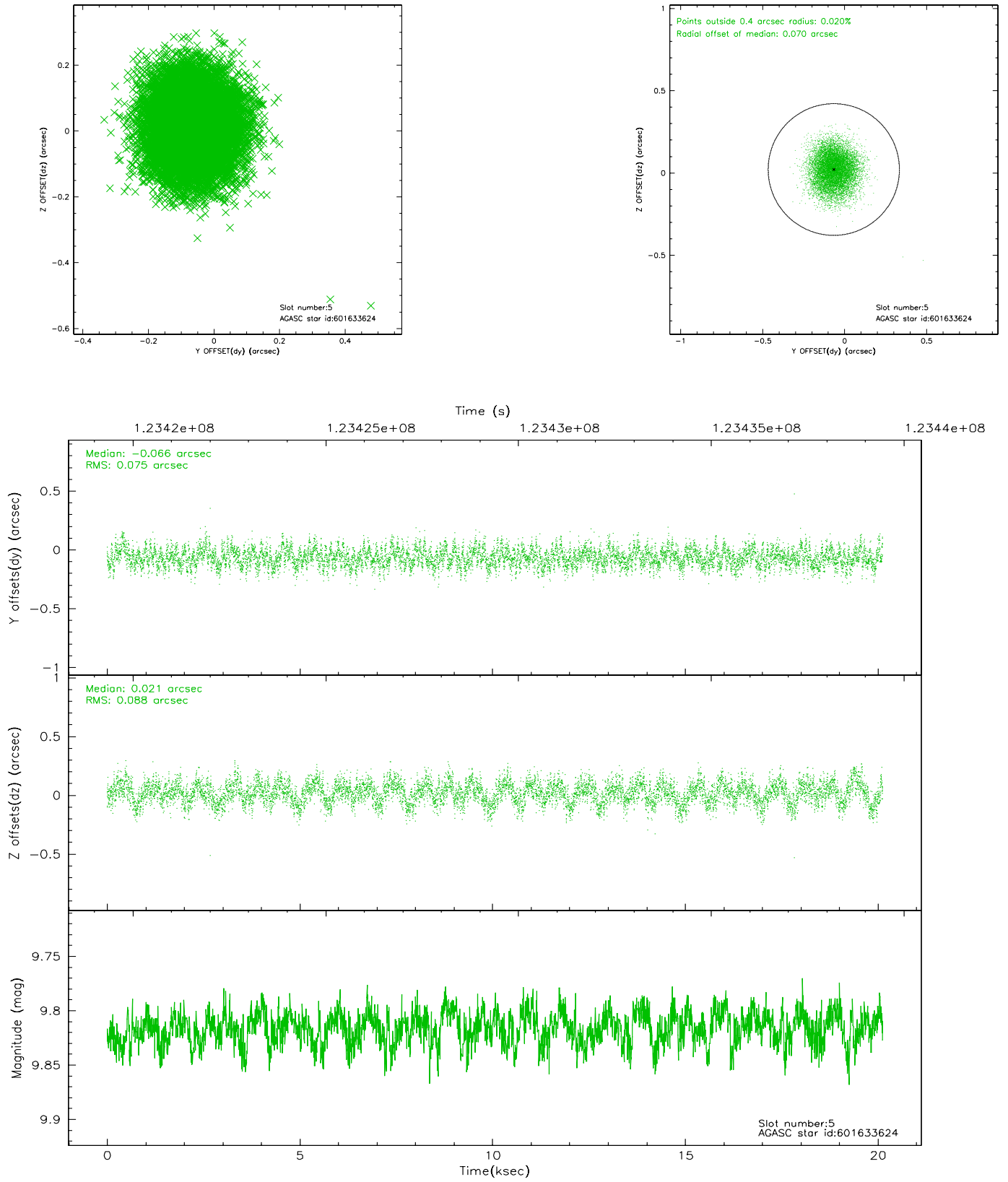
2.4.1 Slot 3



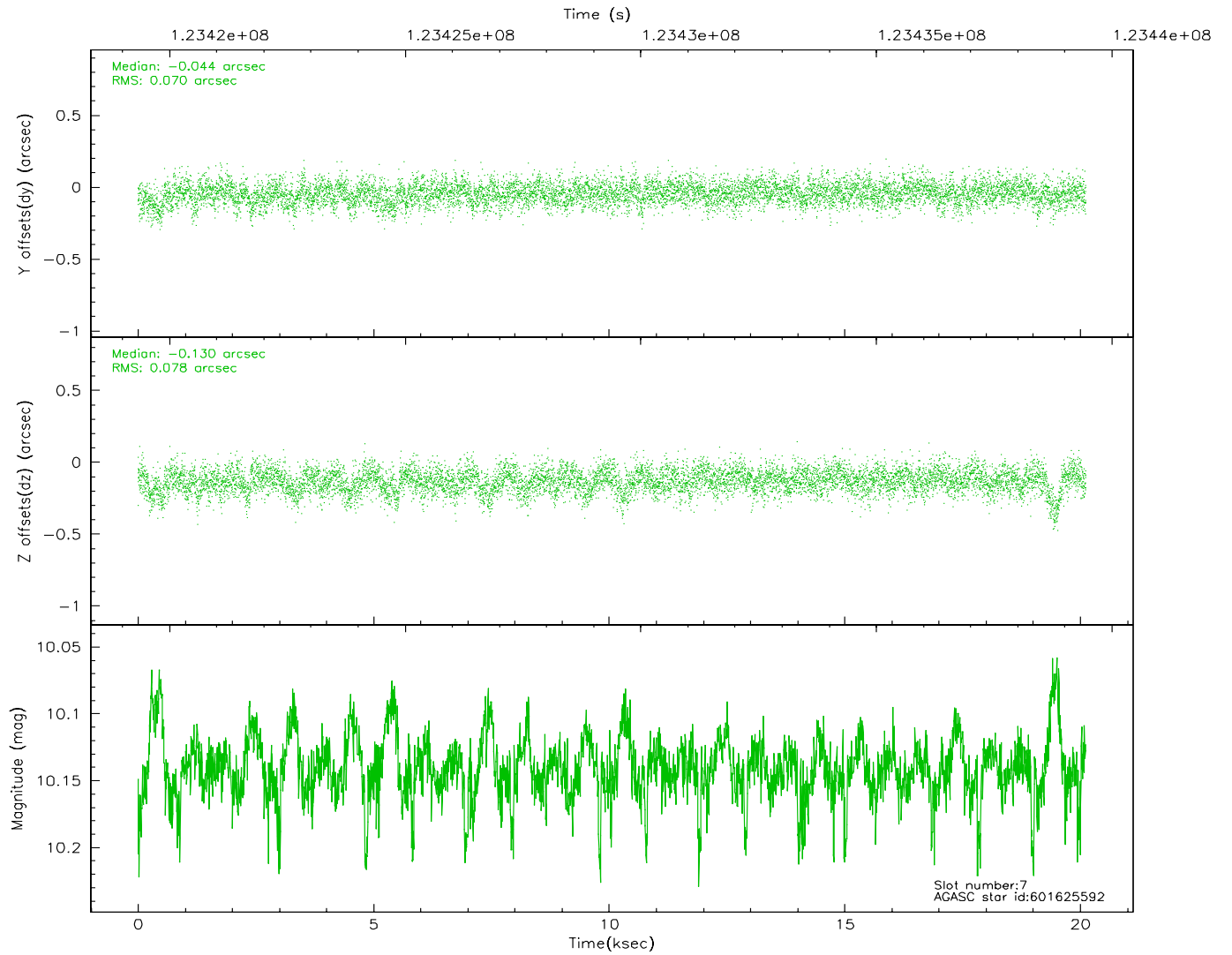
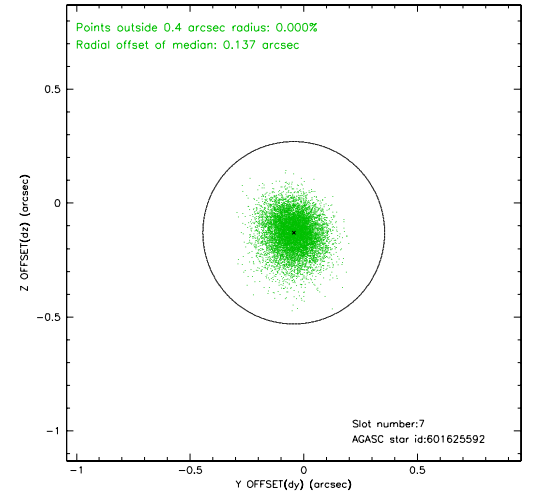
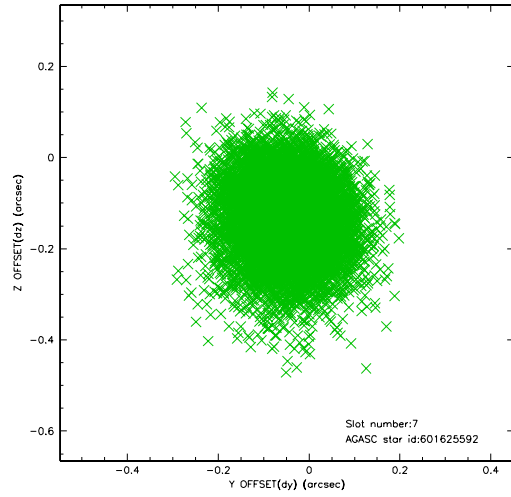
2.4.2 Slot 4



2.4.3 Slot 5

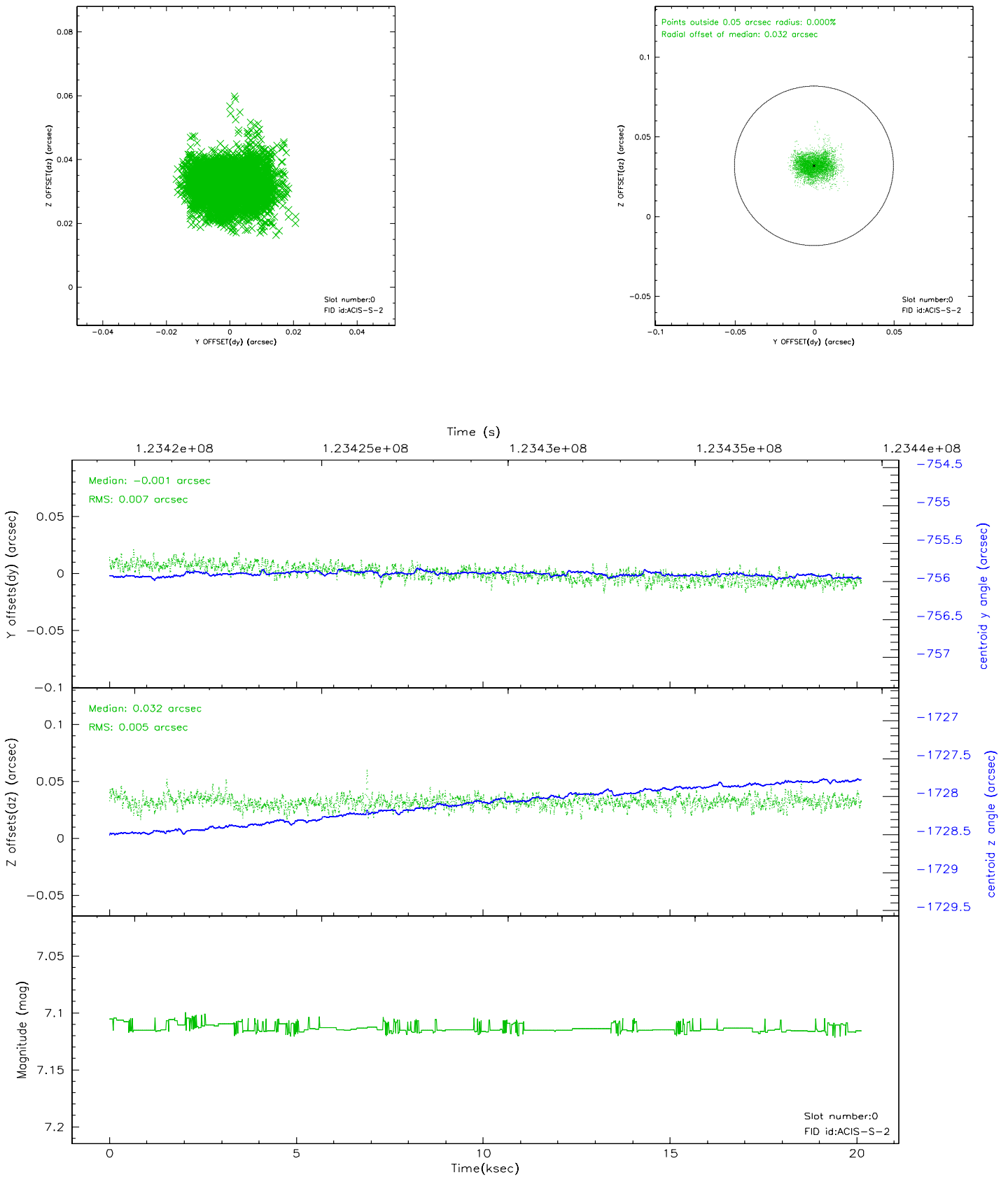


2.4.4 Slot 7

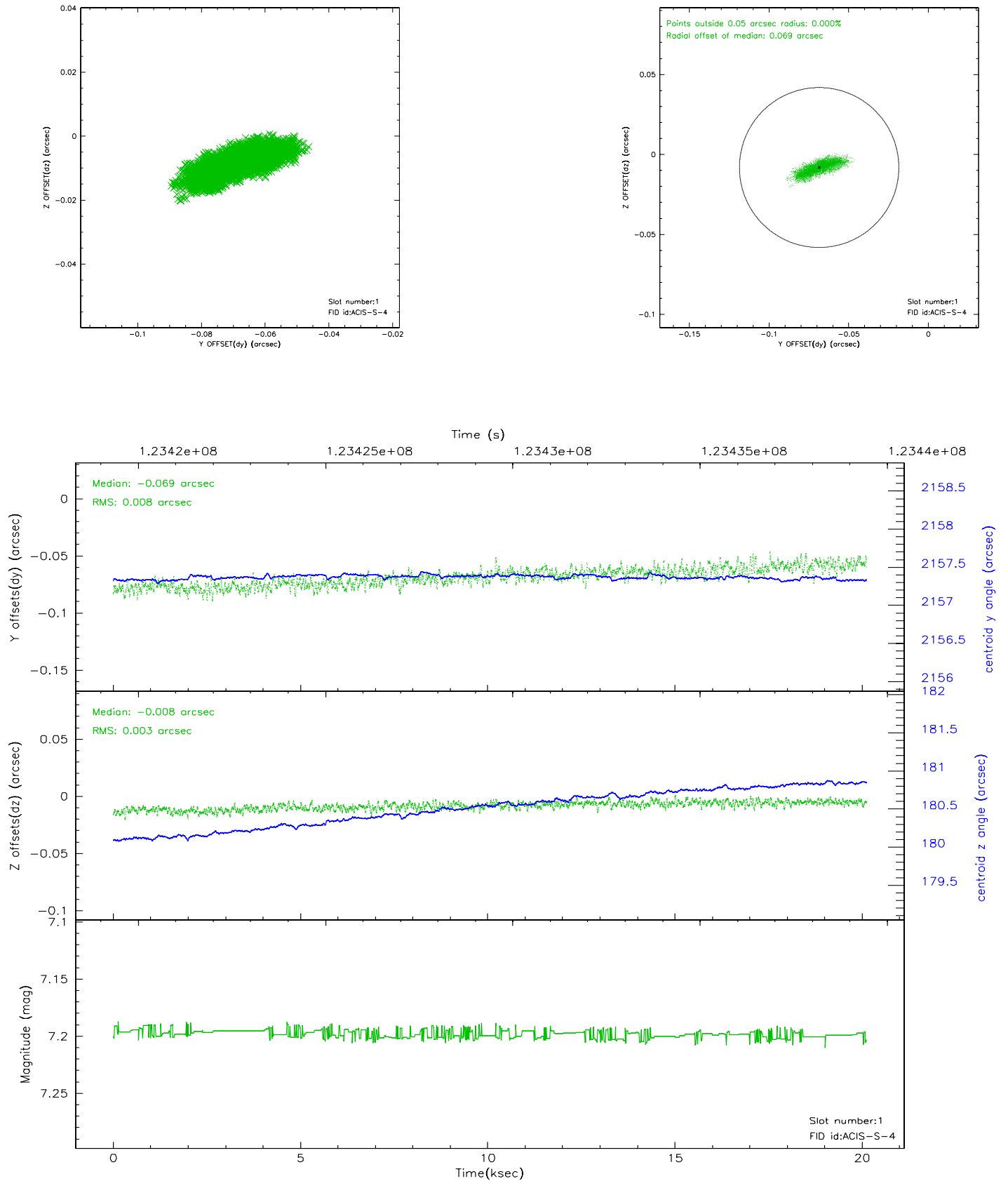


2.5 FID Slots

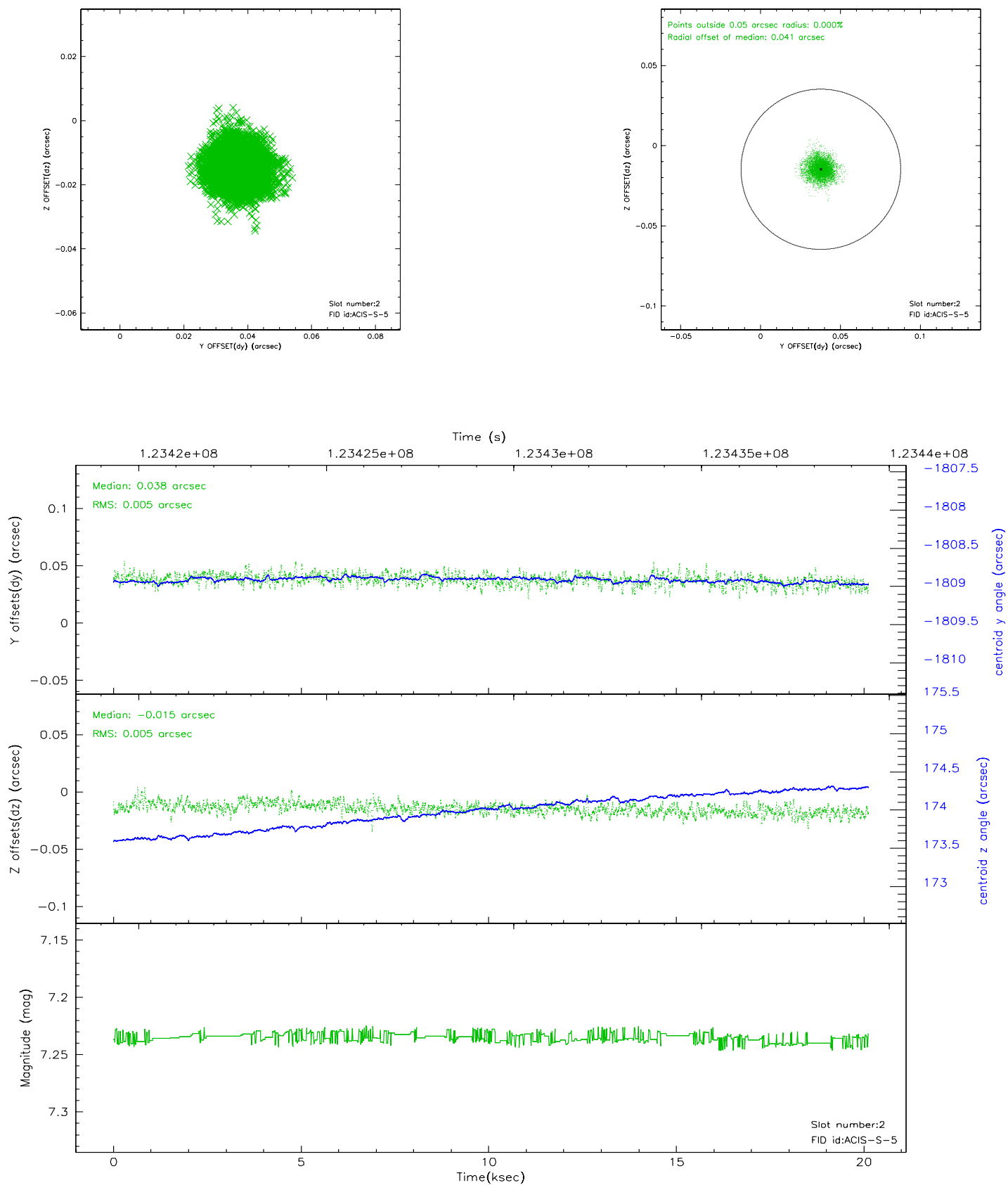
2.5.1 Slot 0



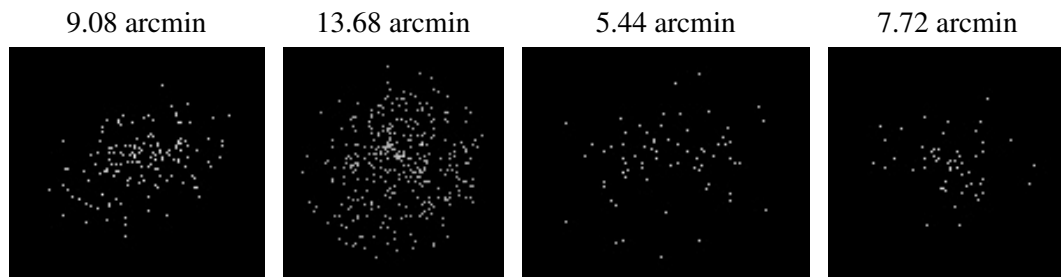
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.122

A.2 Comments

The guide star in slot 6 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one guide star or fid light from the solution.