

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4419 - L2 Version 001
Chandra X-Ray Center

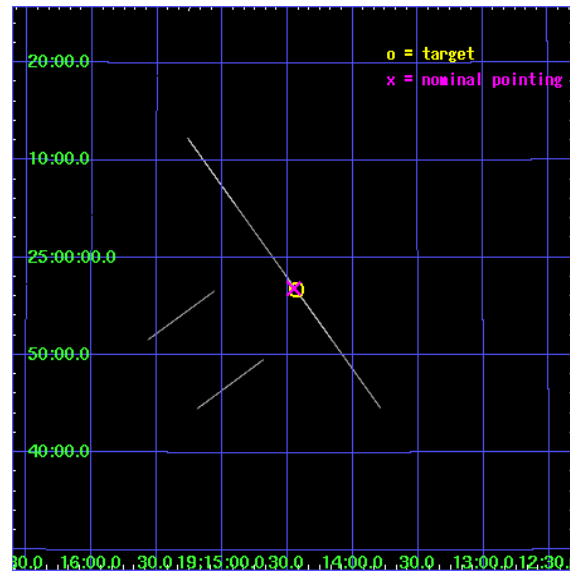
L2 Processing Date : Jul 27 2006

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1 Front

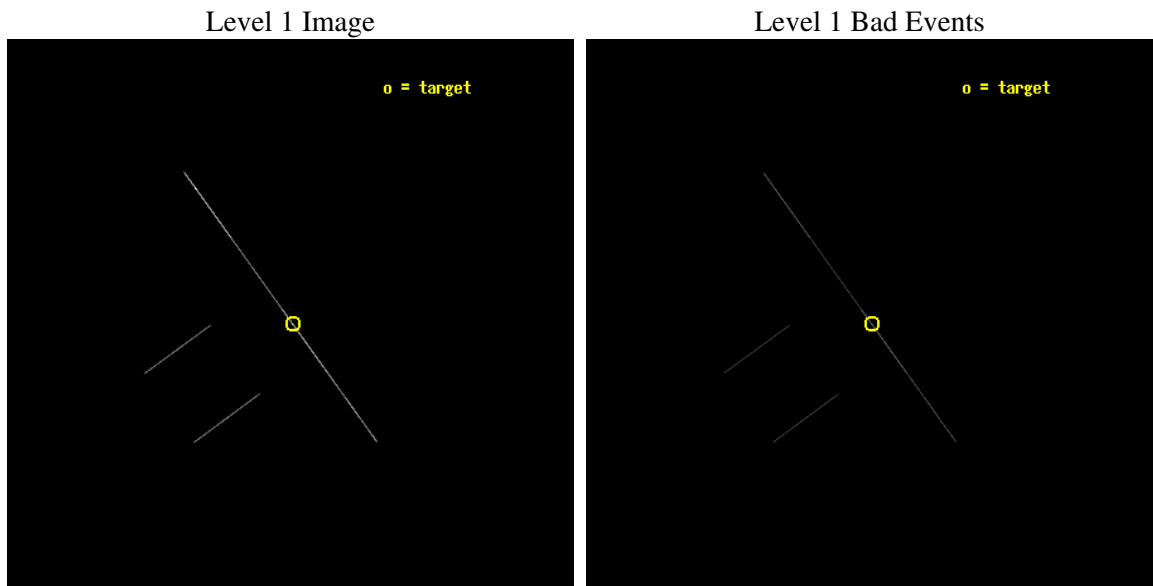
seq_num	300095
obs_id	4419
title	TIMING THE ORBIT OF RX J1914.4+2456: GRAVITATIONAL RADIATION AND THE NATURE OF THE X-RAY EMISSION
observer	Dr. Tod Strohmayer
object	RX J1914.4+2456
ra_targ	288.60875
dec_targ	24.945444
ra_nom	288.61282861538
dec_nom	24.947711265231
roll_nom	54.020361730281
revision	2
ontime	13451.86698997
livetime	13399.320634541
ontime2	13501.5
ontime3	13501.5
ontime5	13501.5
ontime6	13501.5
ontime7	13451.86698997
ontime8	13469.384164244
l2events	147980



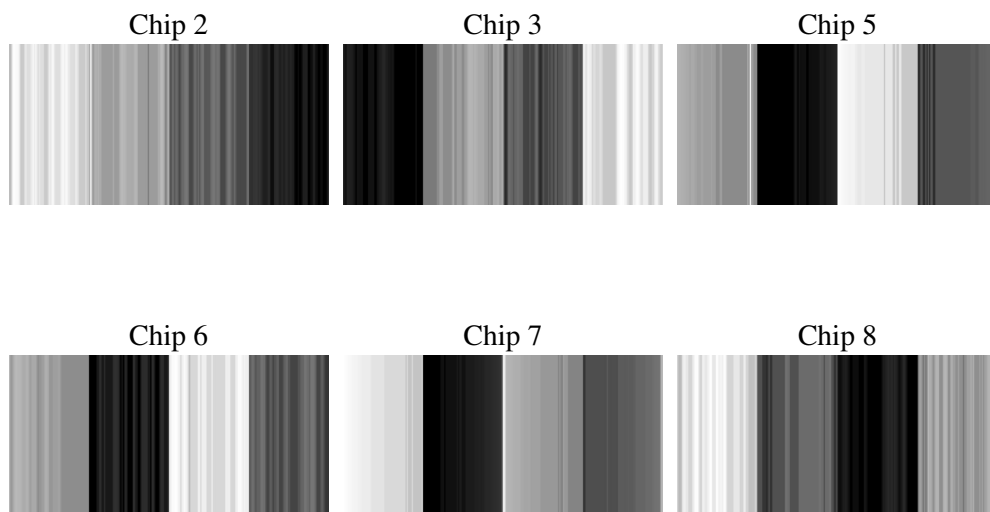
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-27T16:10:17
revision	2

sched_exp_time	13835.460000
ontime	13456.575372219
ontime2	13506.091163576
ontime3	13507.736252308
ontime5	13506.208394915
ontime6	13506.208382756
ontime7	13456.575372219
ontime8	13475.552303761
l1events	222951

2.1.4 Events

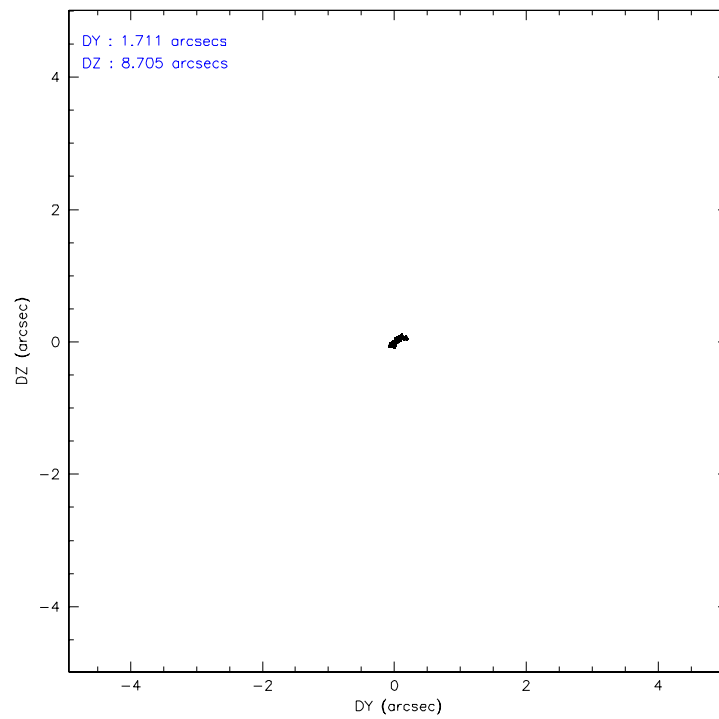
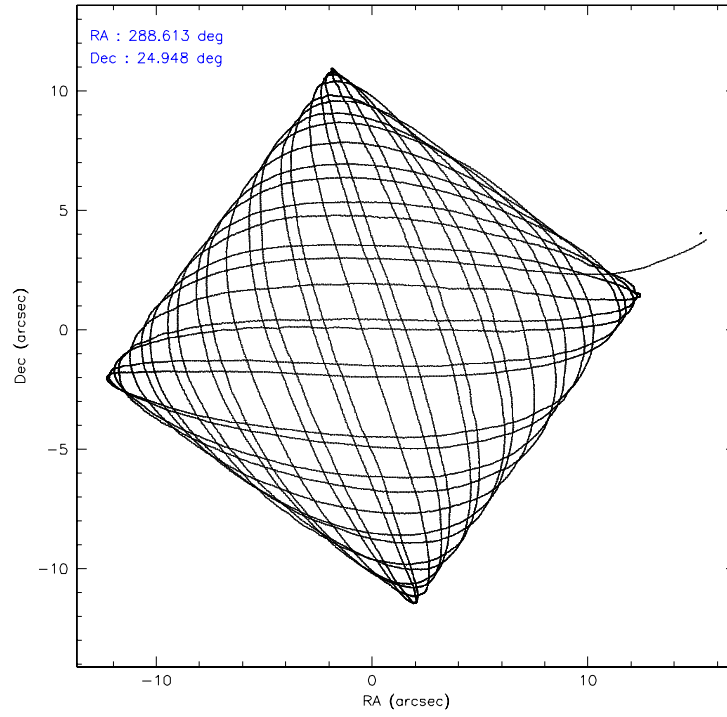
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	16060	17066	84788	17289	55096	32652
rejected events	2839	3176	6508	3368	7956	4841
rejected %	17%	18%	7%	19%	14%	14%

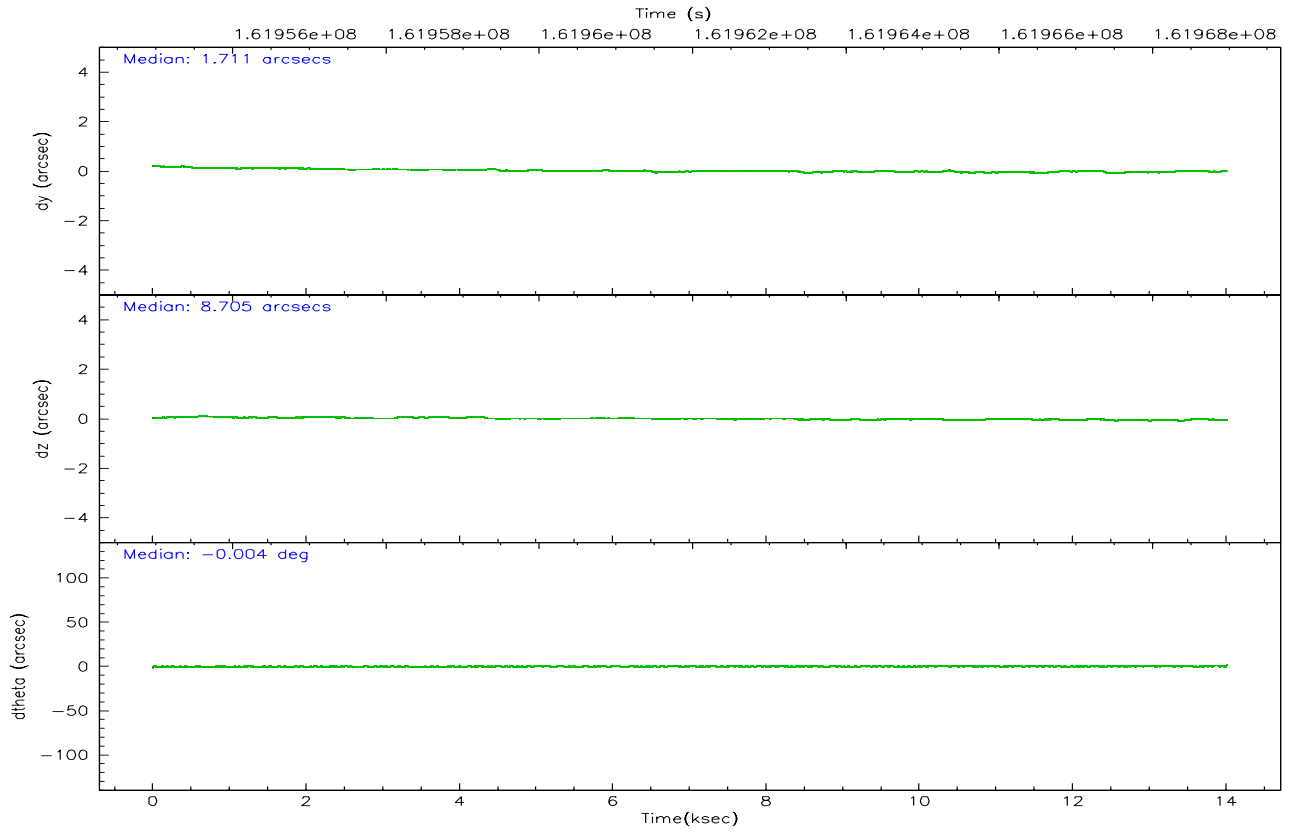
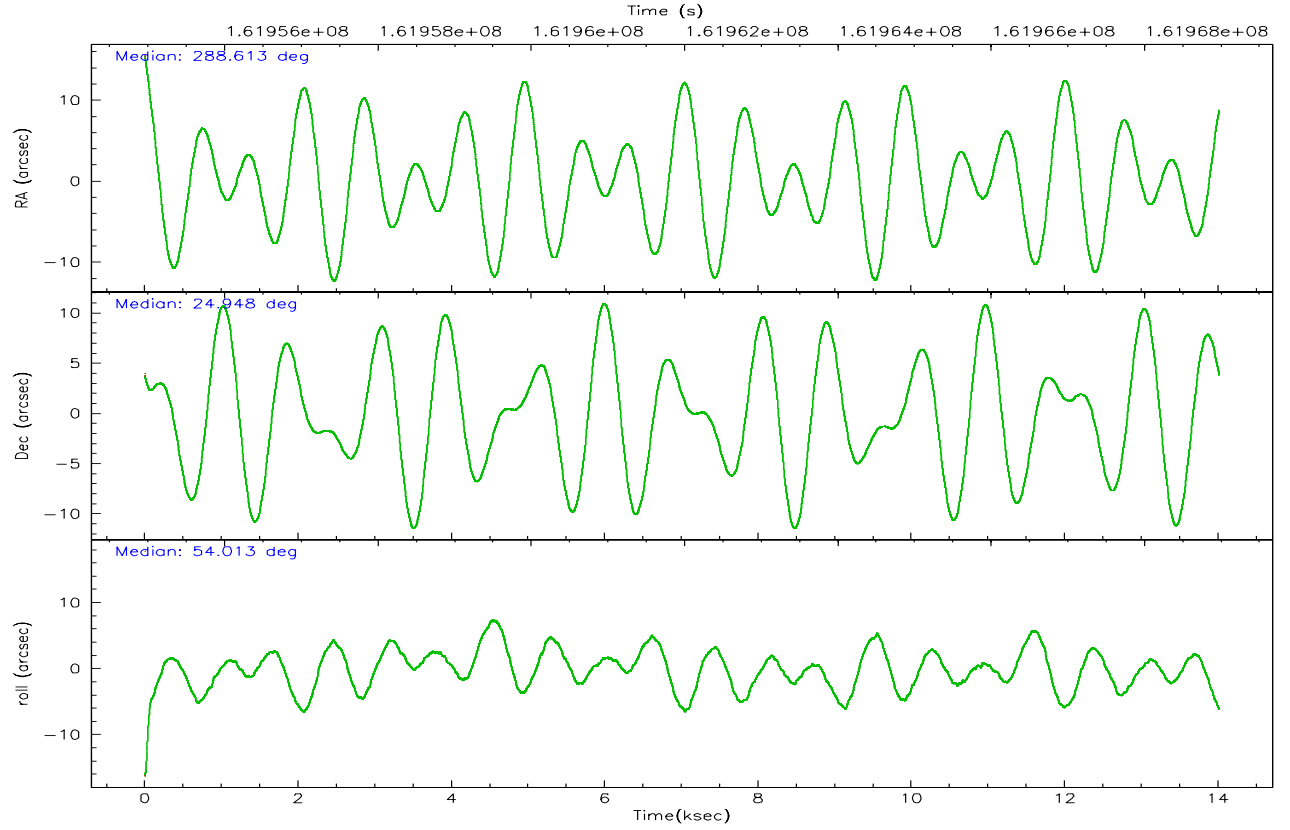
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2003	1831	21384	1792	3714	5061
	12%	10%	25%	10%	6%	15%
grade 1 events	55	52	80	45	92	103
	0%	0%	0%	0%	0%	0%
grade 2 events	4787	5088	19977	5099	12419	8456
	29%	29%	23%	29%	22%	25%
grade 3 events	1827	2085	1304	1840	2094	3492
	11%	12%	1%	10%	3%	10%
grade 4 events	1906	1887	1275	1887	2170	3362
	11%	11%	1%	10%	3%	10%
grade 5 events	2780	3117	6398	3320	7858	4684
	17%	18%	7%	19%	14%	14%
grade 6 events	2702	3006	34370	3306	26749	7494
	16%	17%	40%	19%	48%	22%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

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	CC33_FAINT	CC33_FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	288.610129	288.6128286153807	Alternating exposures requested	N	N
Pointing Dec	24.920594	24.94771126523086	Primary exposure time	0.000000	0
Pointing Roll	53.864881	54.02036173028139			
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	161955145.184000	161954467.8053			
Observation start date	2003-02-18T11:31:21	2003-02-18T11:21:07			
Observation end time	161968981.184000	161969295.45592			
Observation end date	2003-02-18T15:21:57	2003-02-18T15:28:15			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



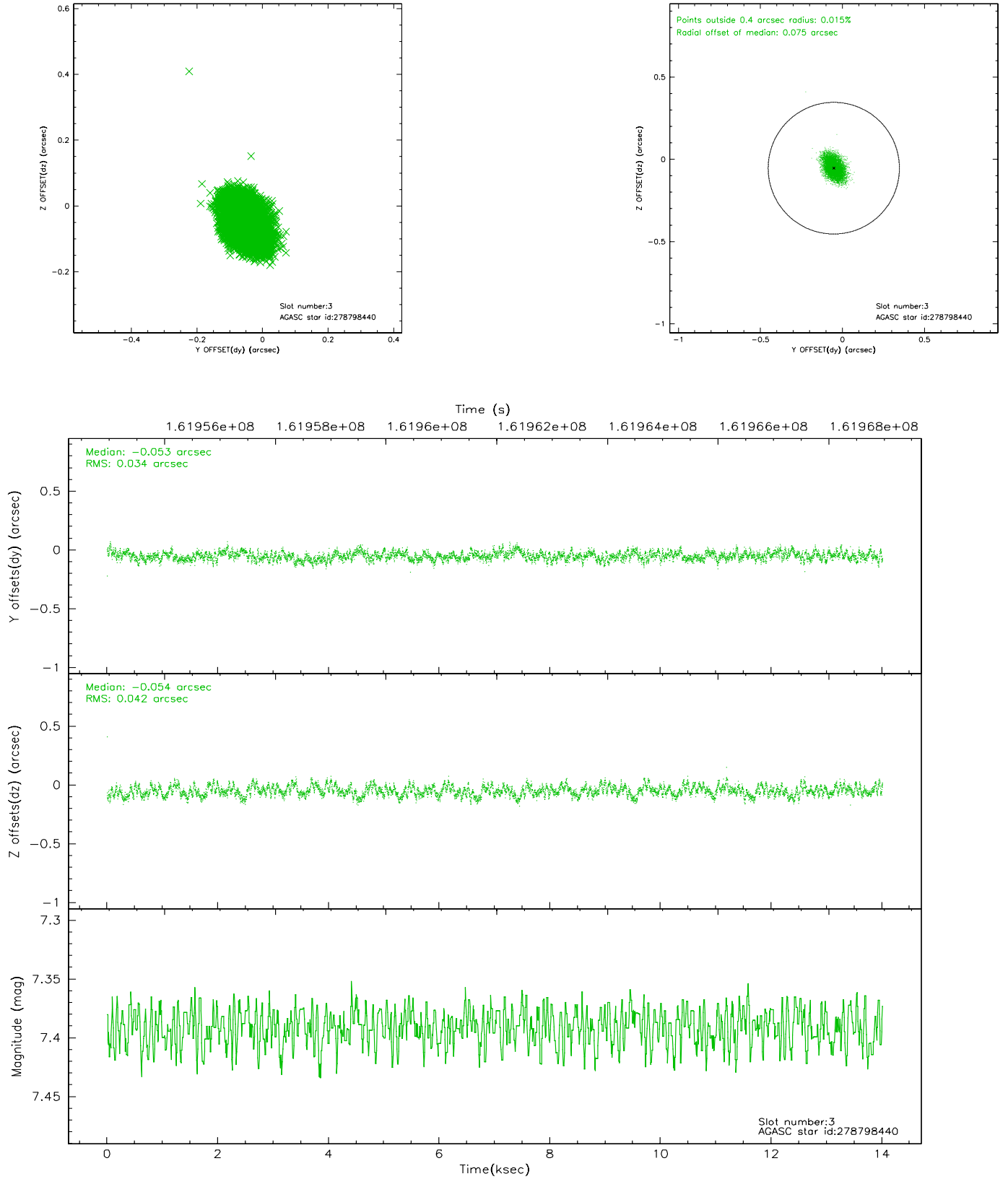


Slot Statistics

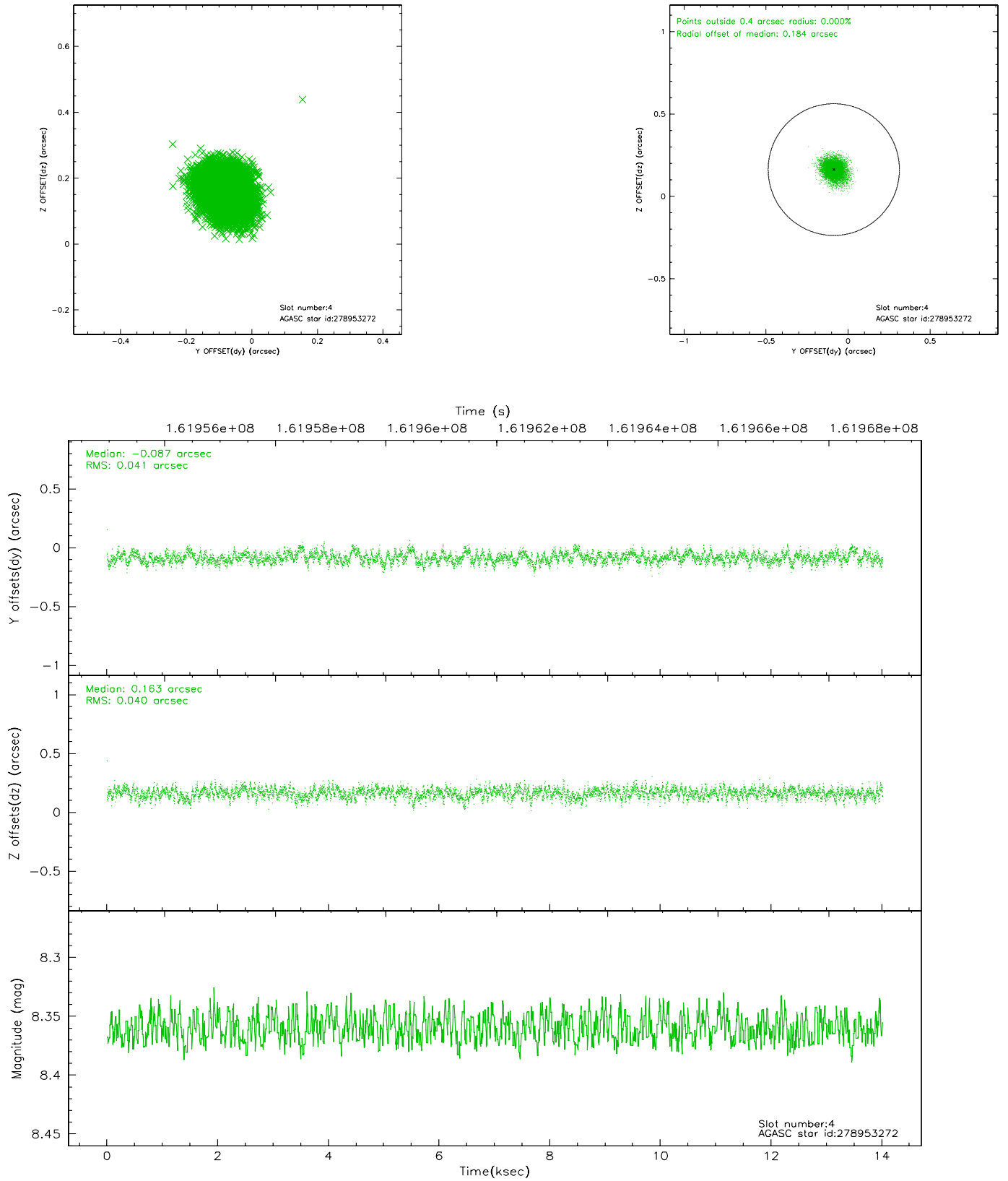
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	3419	-0.027	0.004	0.007	0.011	0.000000	0.000000	-754.37	-1729.87
1	FID	ACIS-S-4	7.20	3419	-0.042	0.012	0.005	0.008	0.000000	0.000000	2158.74	178.28
2	FID	ACIS-S-5	7.23	3418	0.038	-0.007	0.006	0.011	0.000000	0.000000	-1806.71	172.31
3	GUIDE	278798440	7.39	6837	-0.053	-0.054	0.057	0.094	288.472447	25.758823	2173.92	2140.57
4	GUIDE	278953272	8.36	6838	-0.087	0.163	0.060	0.100	289.216166	24.729034	615.71	-2003.83
5	GUIDE	278266312	9.55	6832	0.137	0.051	0.105	0.186	288.641308	24.187100	-2071.70	-1640.23
6	GUIDE	278795448	8.96	6835	0.082	-0.126	0.101	0.151	287.699473	24.798355	-2102.74	2149.34
7	GUIDE	278950872	8.56	6835	-0.081	-0.042	0.066	0.106	288.955805	24.789192	285.19	-1190.10

2.4 Star Slots

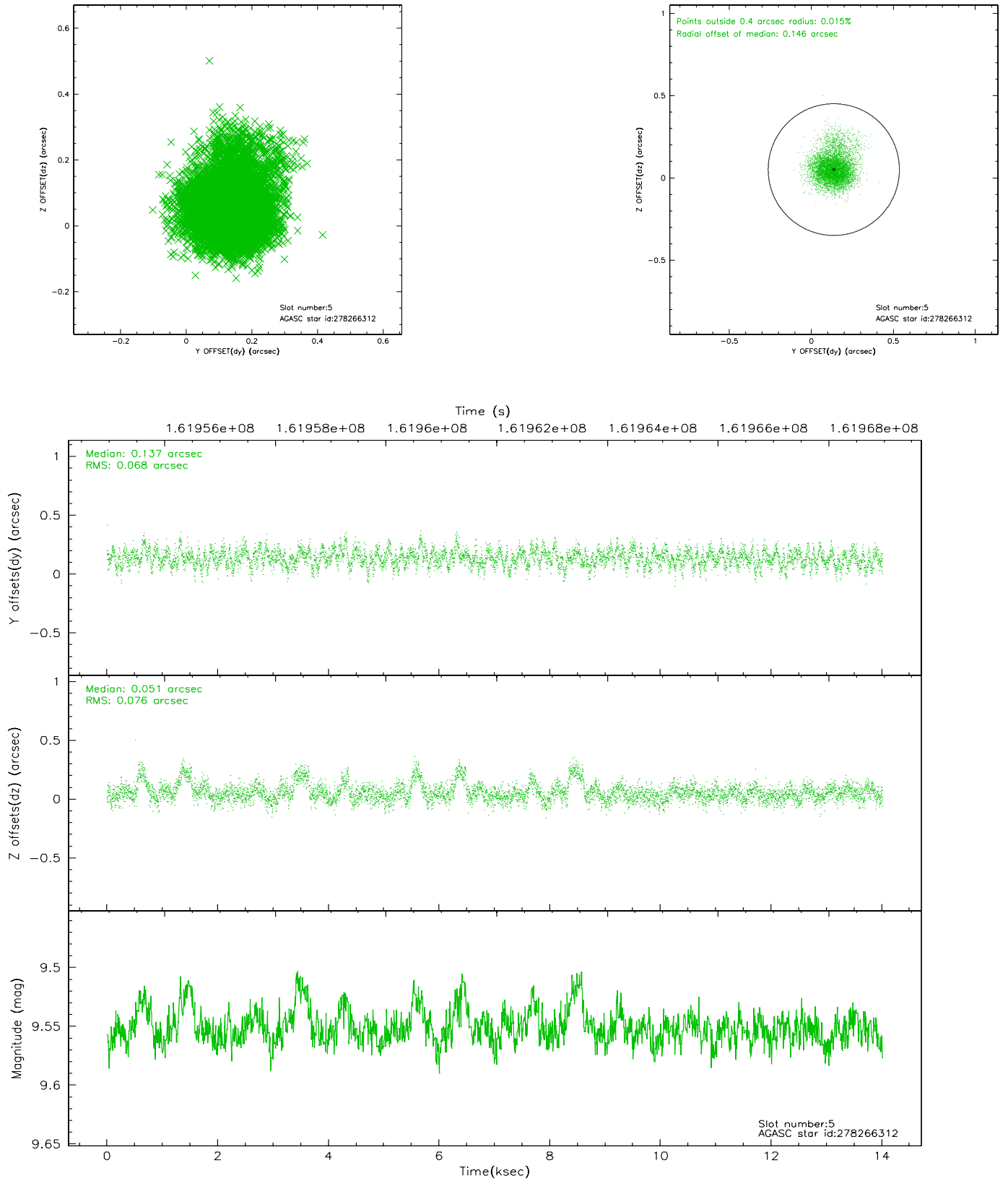
2.4.1 Slot 3



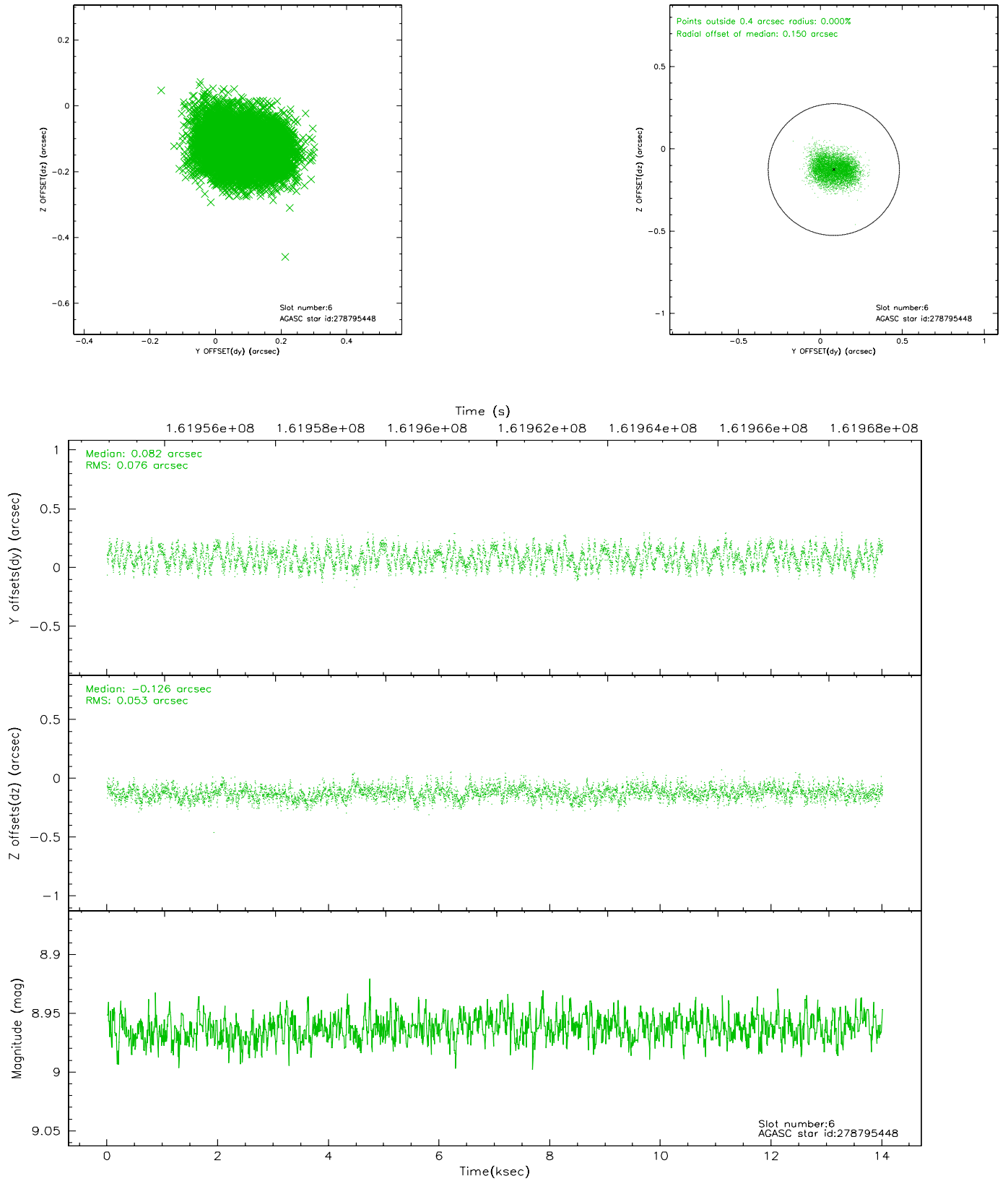
2.4.2 Slot 4



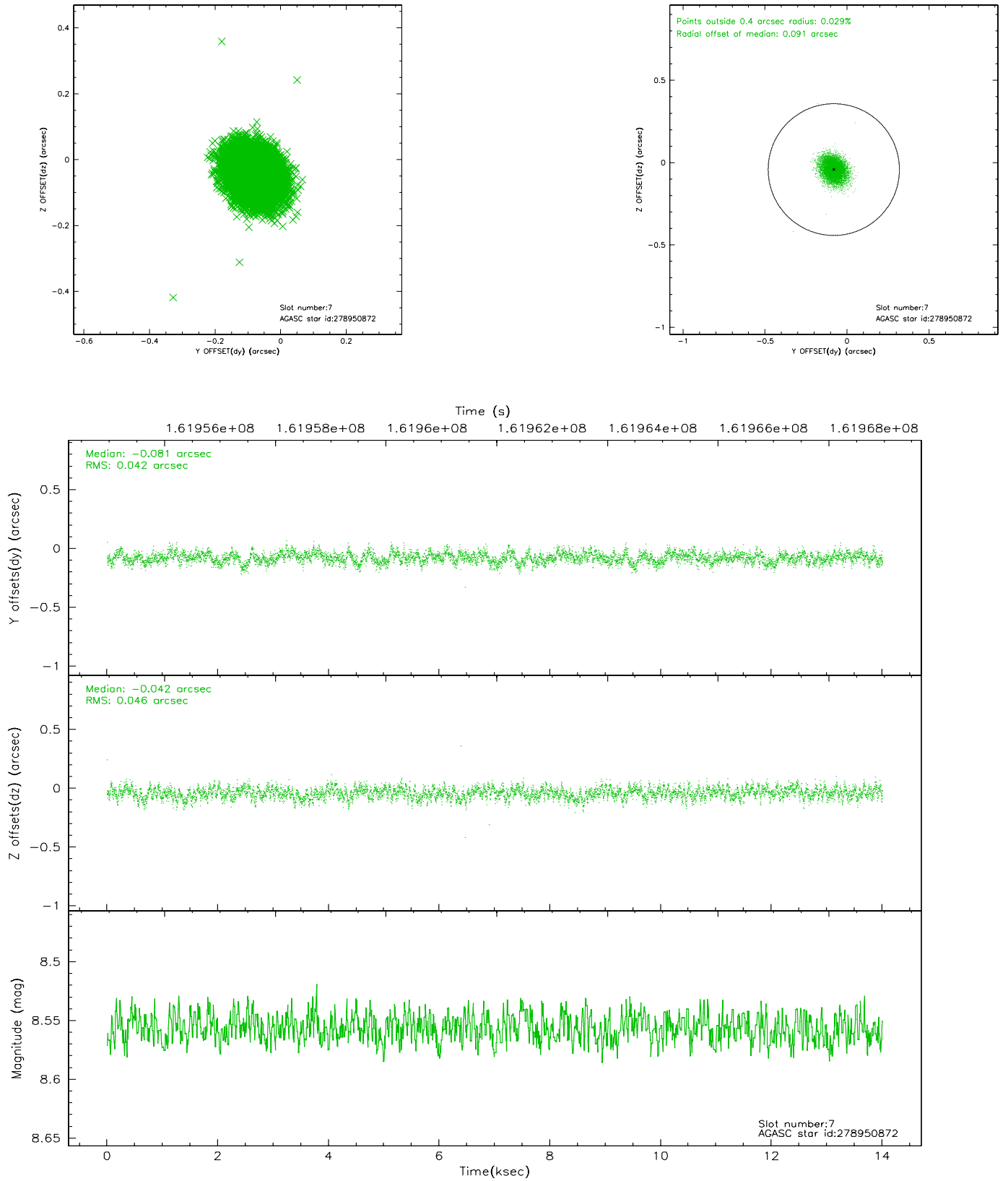
2.4.3 Slot 5



2.4.4 Slot 6

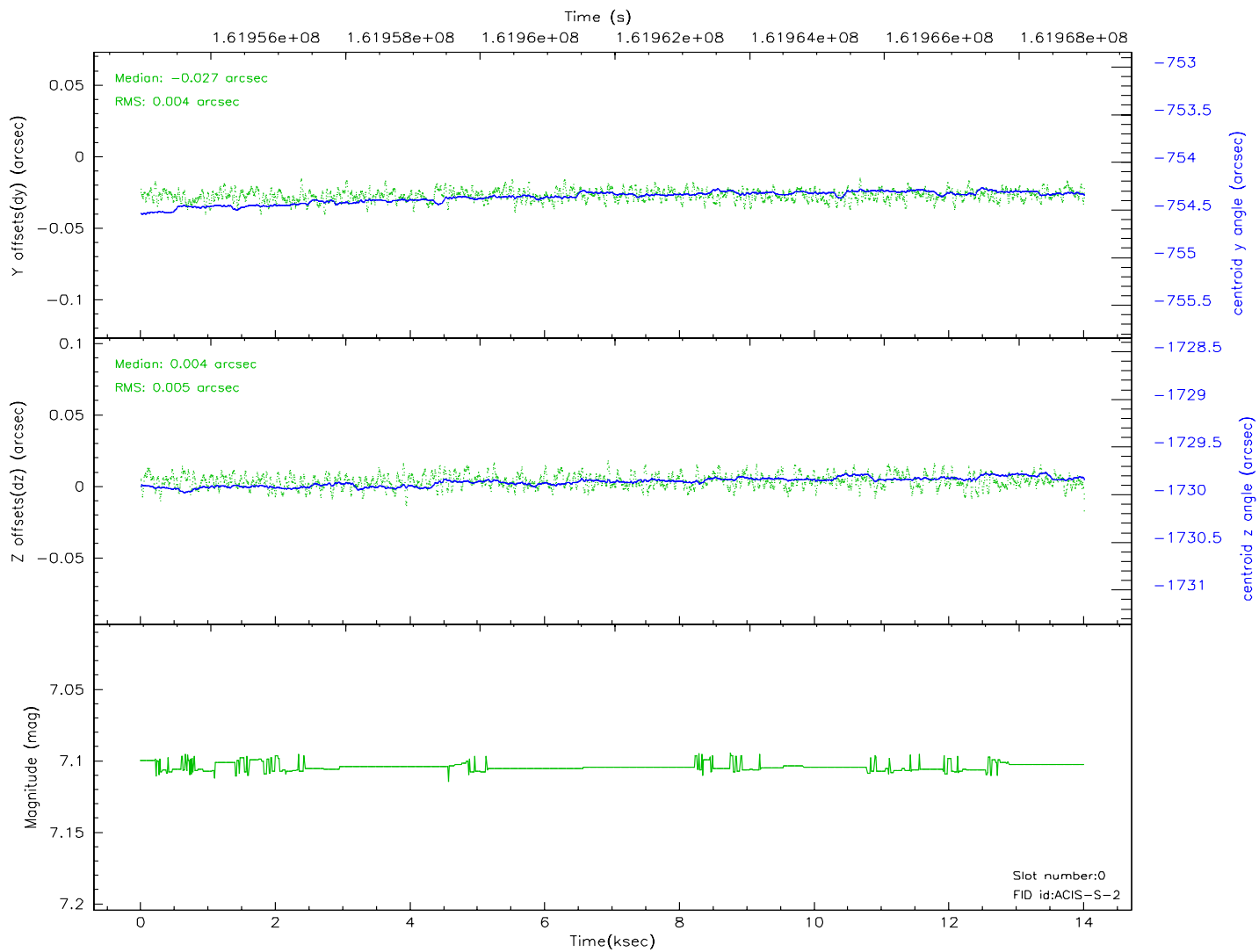
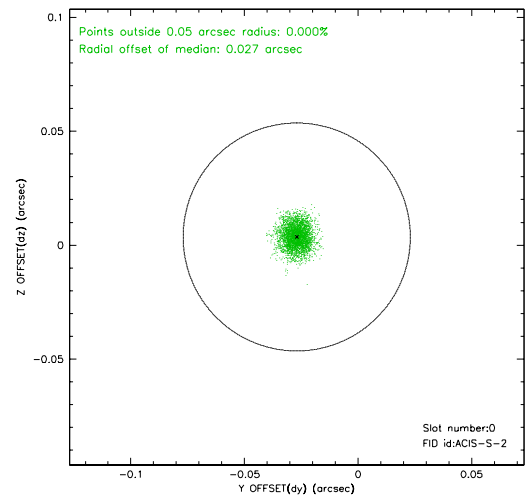
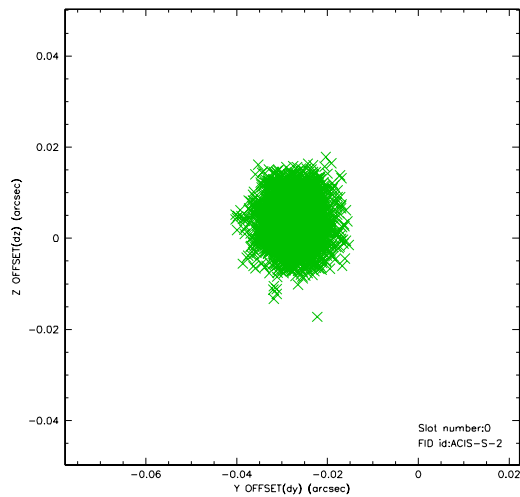


2.4.5 Slot 7

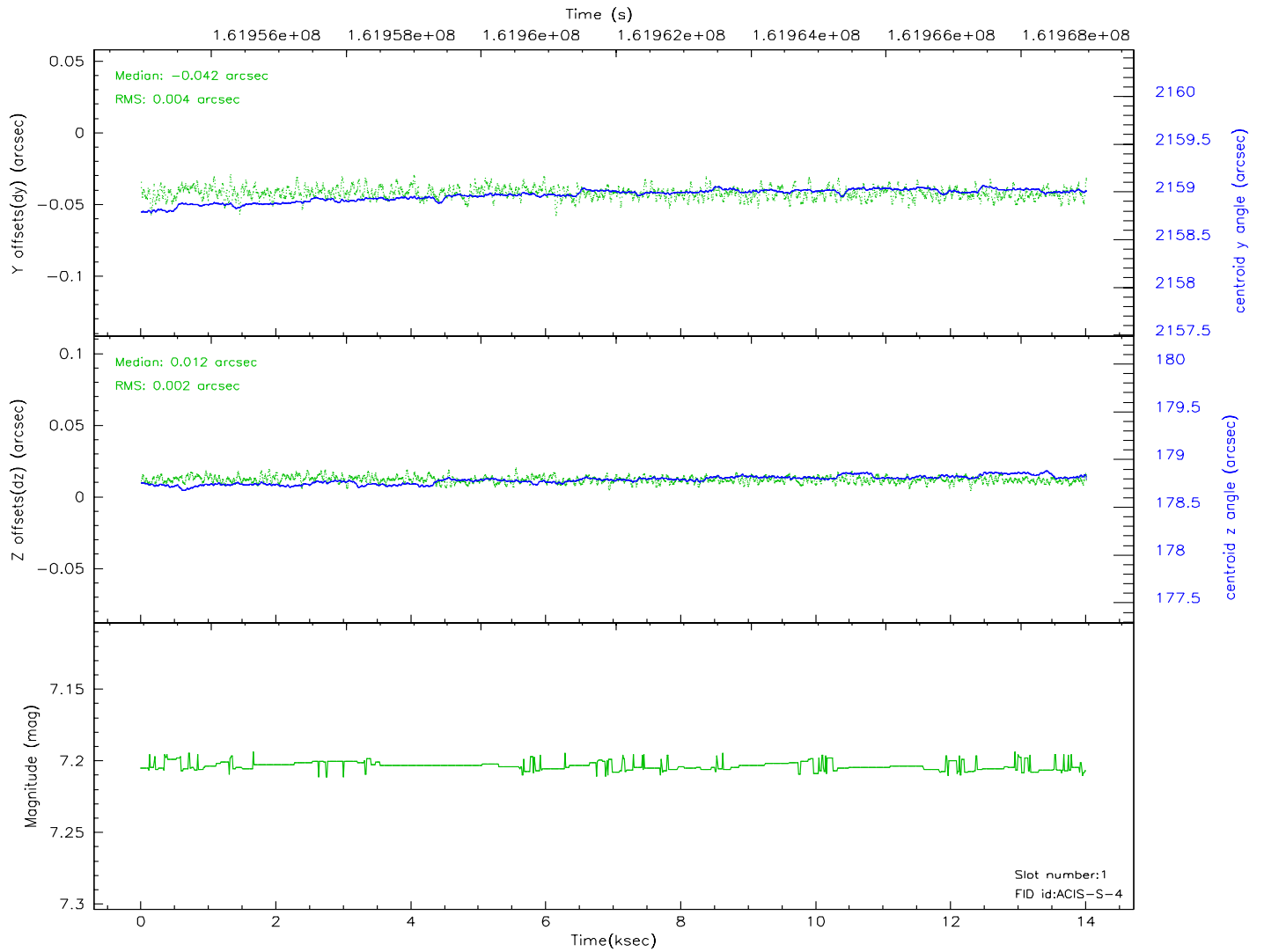
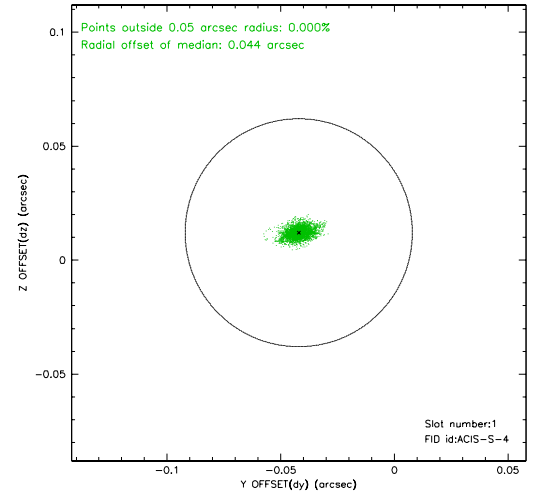
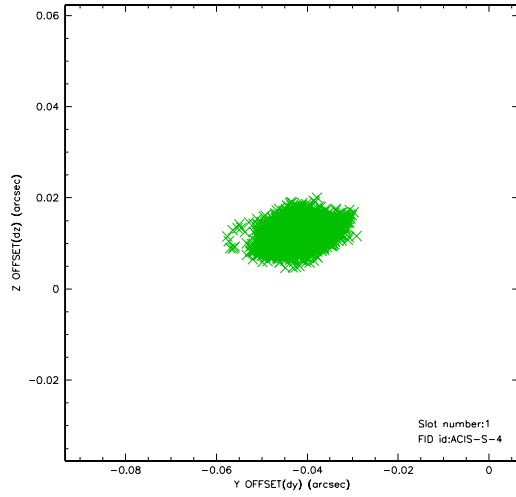


2.5 FID Slots

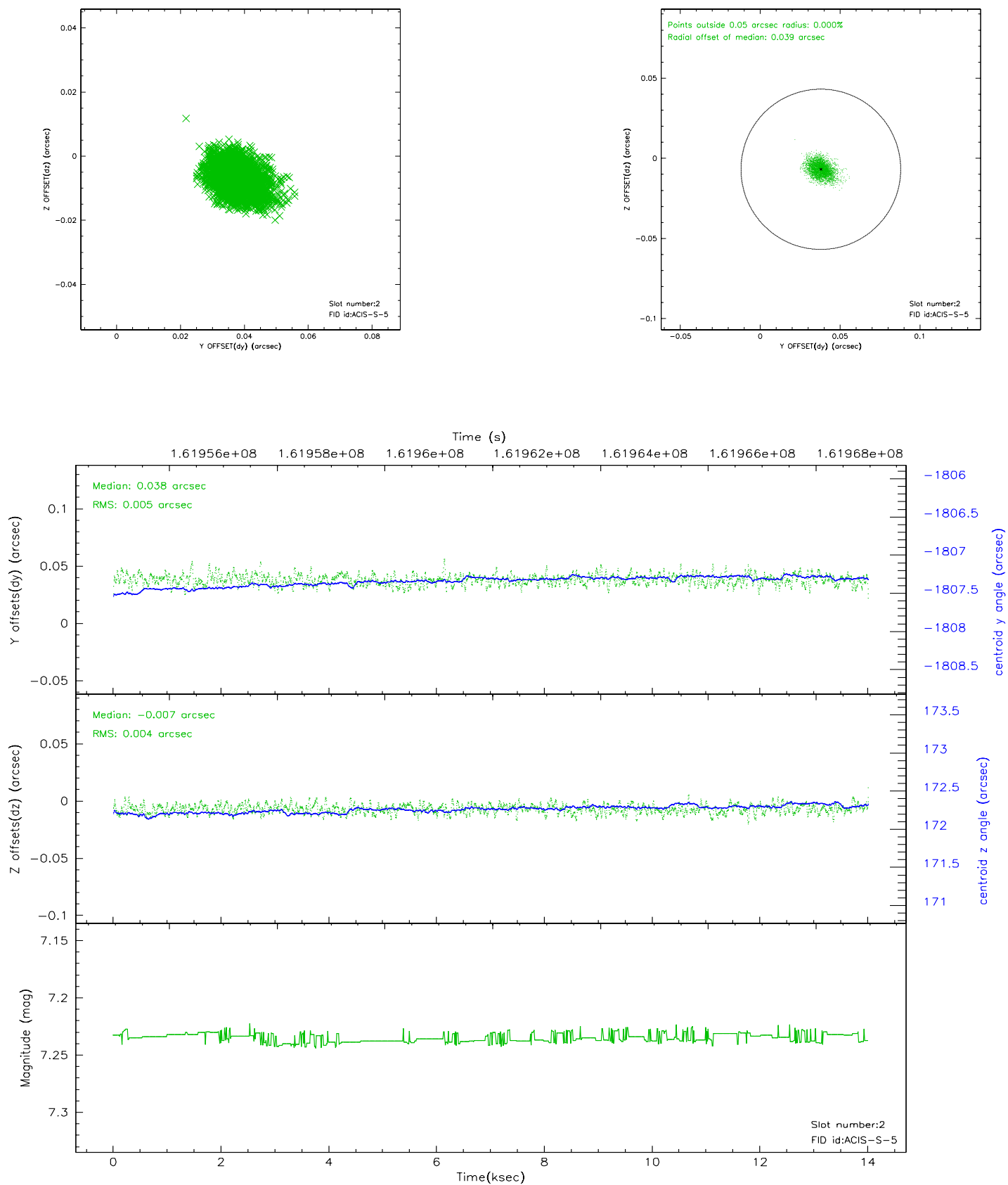
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2006.07.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.456

A.2 Comments