

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 4632 - L2 Version 001
Chandra X-Ray Center

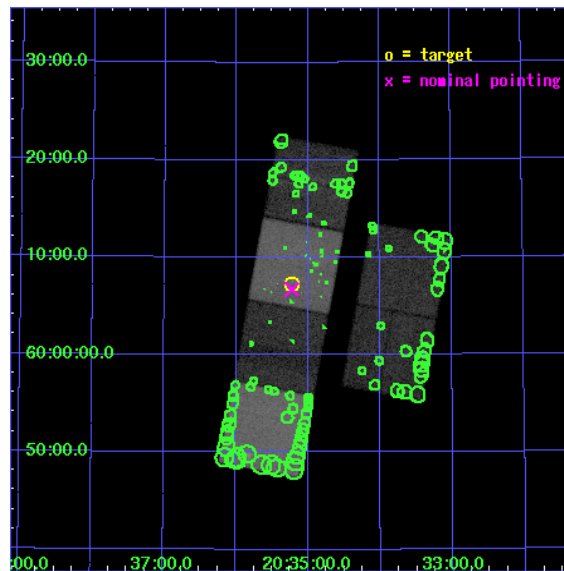
L2 Processing Date : Apr 12 2006

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1 Front

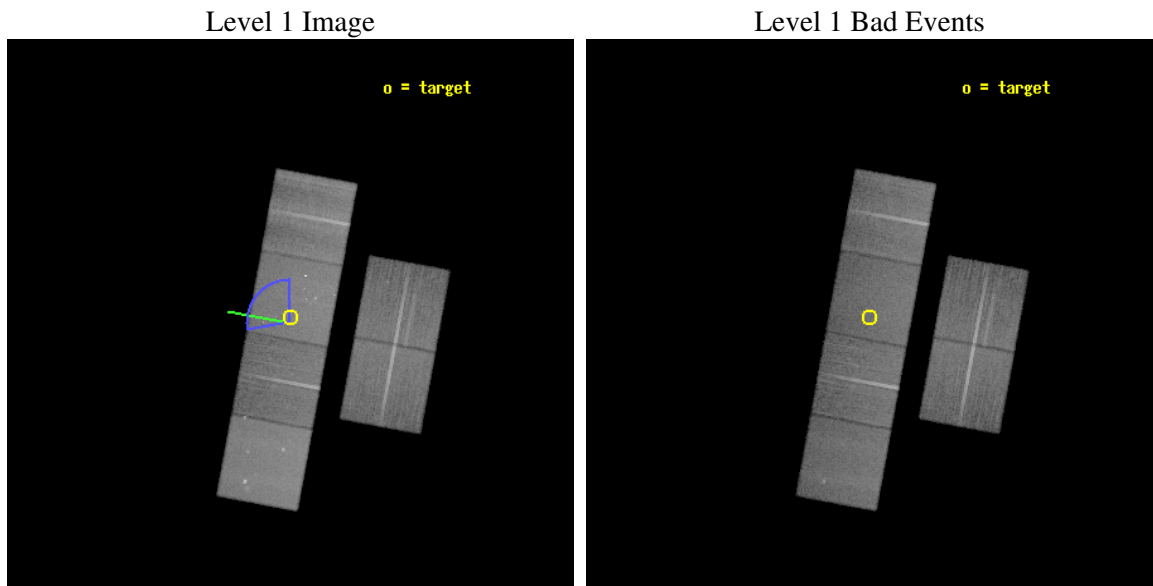
seq_num	500457
obs_id	4632
title	Prompt Chandra Observations of Nearby Supernovae
observer	Prof. Walter Lewin
object	SN 2004et
dtcycle	0
cycle	P
ra_targ	308.805833
dec_targ	60.121556
ra_nom	308.80595629323
dec_nom	60.111916503512
roll_nom	280.48616335628
revision	2
ontime	28339.199894428
livetime	27980.351881547
ontime2	28339.199894428
ontime3	28335.958914131
ontime5	28339.199894428
ontime6	28339.199894428
ontime7	28339.199894428
ontime8	28339.199894428
l2events	365058



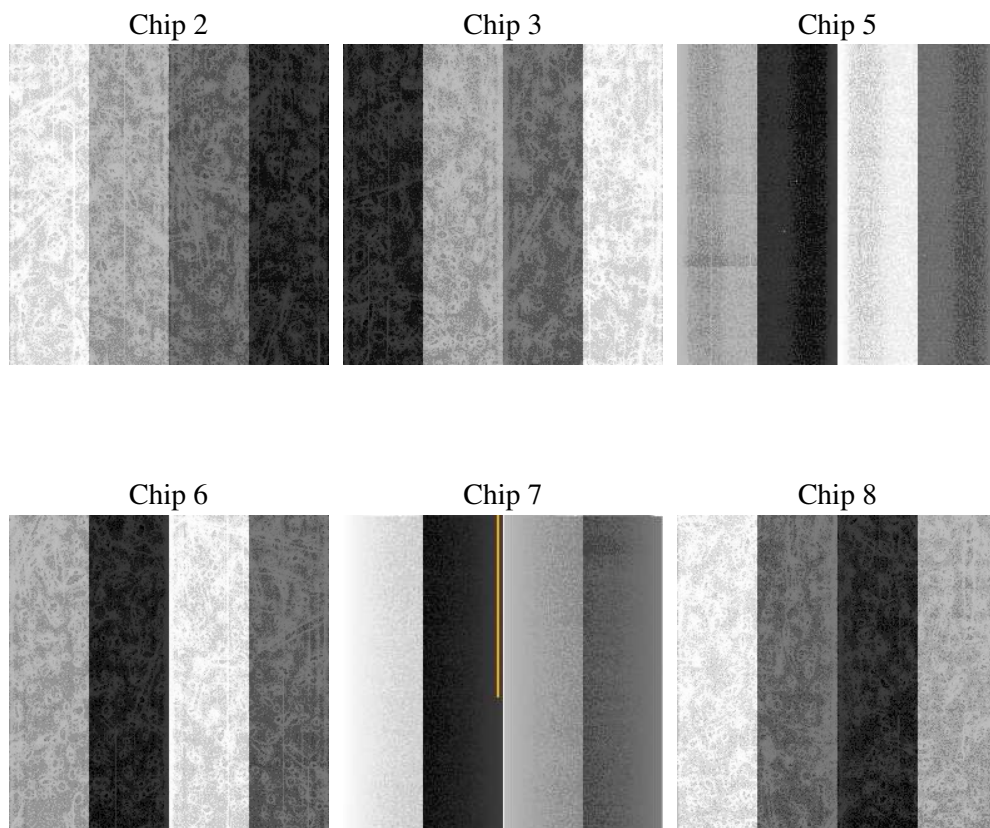
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-12T05:37:58
revision	2

sched_exp_time	28162.024000
ontime	28365.268671811
ontime2	28365.268651932
ontime3	28362.027691513
ontime5	28365.268671811
ontime6	28365.268671811
ontime7	28365.268671811
ontime8	28365.268671811
l1events	1619037

2.1.4 Events

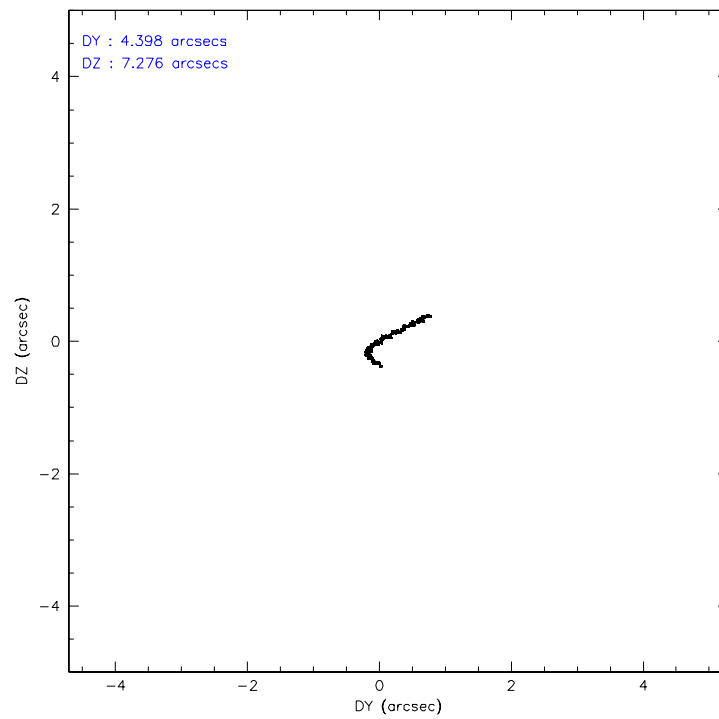
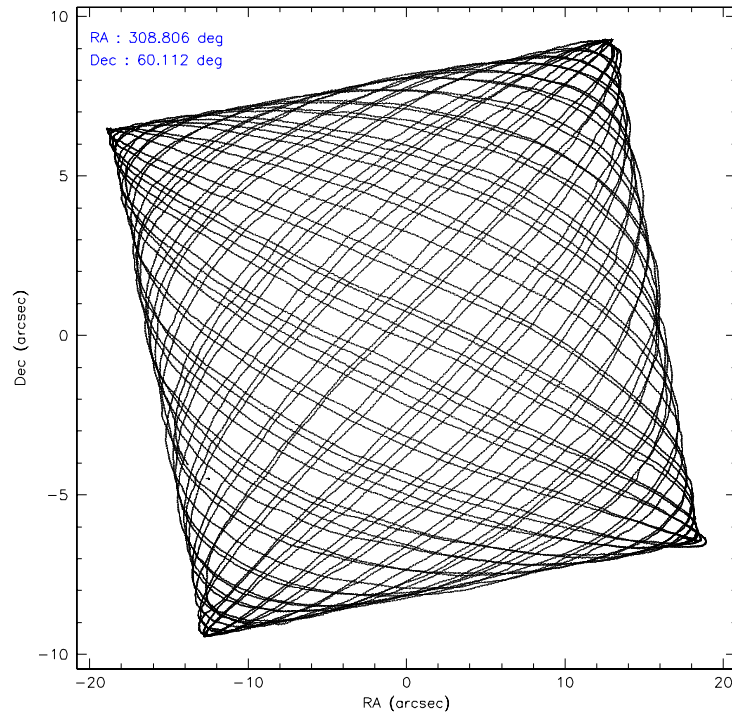
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	232364	222896	327080	230843	307790	298064
rejected events	202923	193852	184242	201616	185856	222915
rejected %	87%	86%	56%	87%	60%	74%

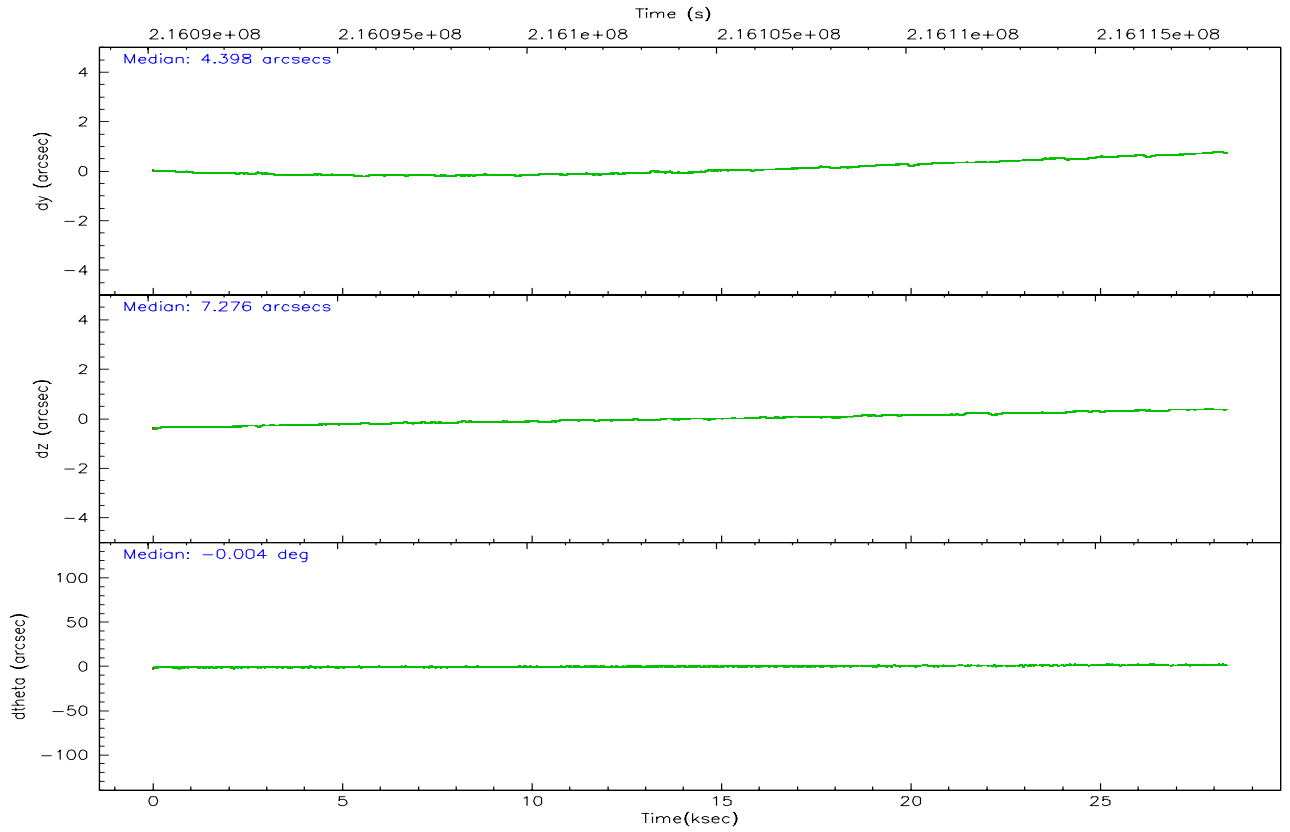
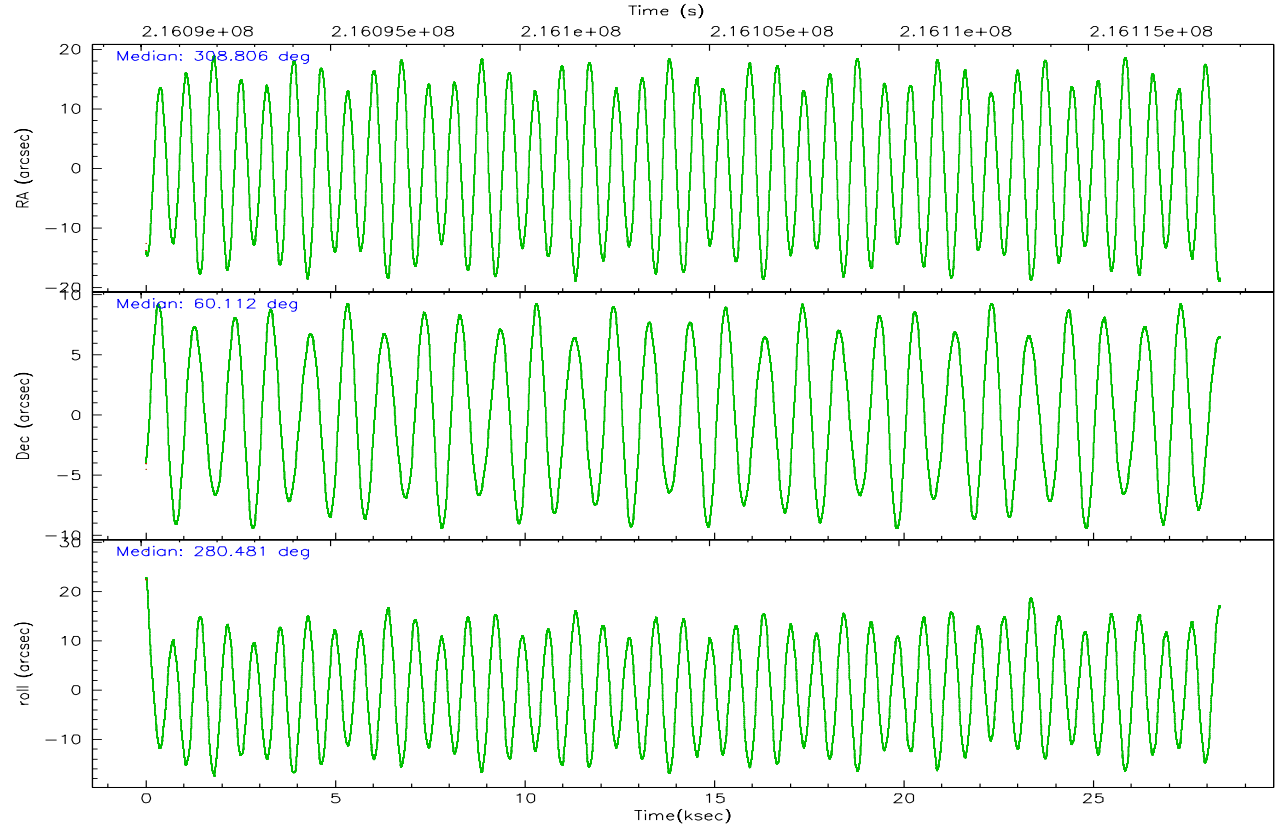
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	12985	12476	8340	11383	8574	25192
	5%	5%	2%	4%	2%	8%
grade 1 events	150	131	395	100	182	253
	0%	0%	0%	0%	0%	0%
grade 2 events	6291	6153	44700	6660	30856	14882
	2%	2%	13%	2%	10%	4%
grade 3 events	2484	2612	3300	2599	6172	9154
	1%	1%	1%	1%	2%	3%
grade 4 events	2610	2640	3011	2578	6092	8368
	1%	1%	0%	1%	1%	2%
grade 5 events	8677	9774	15382	9970	18708	13459
	3%	4%	4%	4%	6%	4%
grade 6 events	5099	5210	83643	6036	70357	17616
	2%	2%	25%	2%	22%	5%
grade 7 events	194068	183900	168309	191517	166849	209140
	83%	82%	51%	82%	54%	70%

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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	308.769904	308.8059562932295	Alternating exposures requested	N	N
Pointing Dec	60.132348	60.11191650351218	Primary exposure time	0.000000	3.2
Pointing Roll	280.360800	280.4861633562764			
Roll angle	310.000000	310.000000			
Roll tolerance	50.000000	50.000000			
Roll constraint allows 180D rotation	N	N			
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	216090310.184000	216089228.61961			
Observation start date	2004-11-06T01:04:06	2004-11-06T00:47:08			
Observation end time	216118472.184000	216118693.78343			
Observation end date	2004-11-06T08:53:28	2004-11-06T08:58:13			
Read mode	TIMED	TIMED			

2.3 Aspect



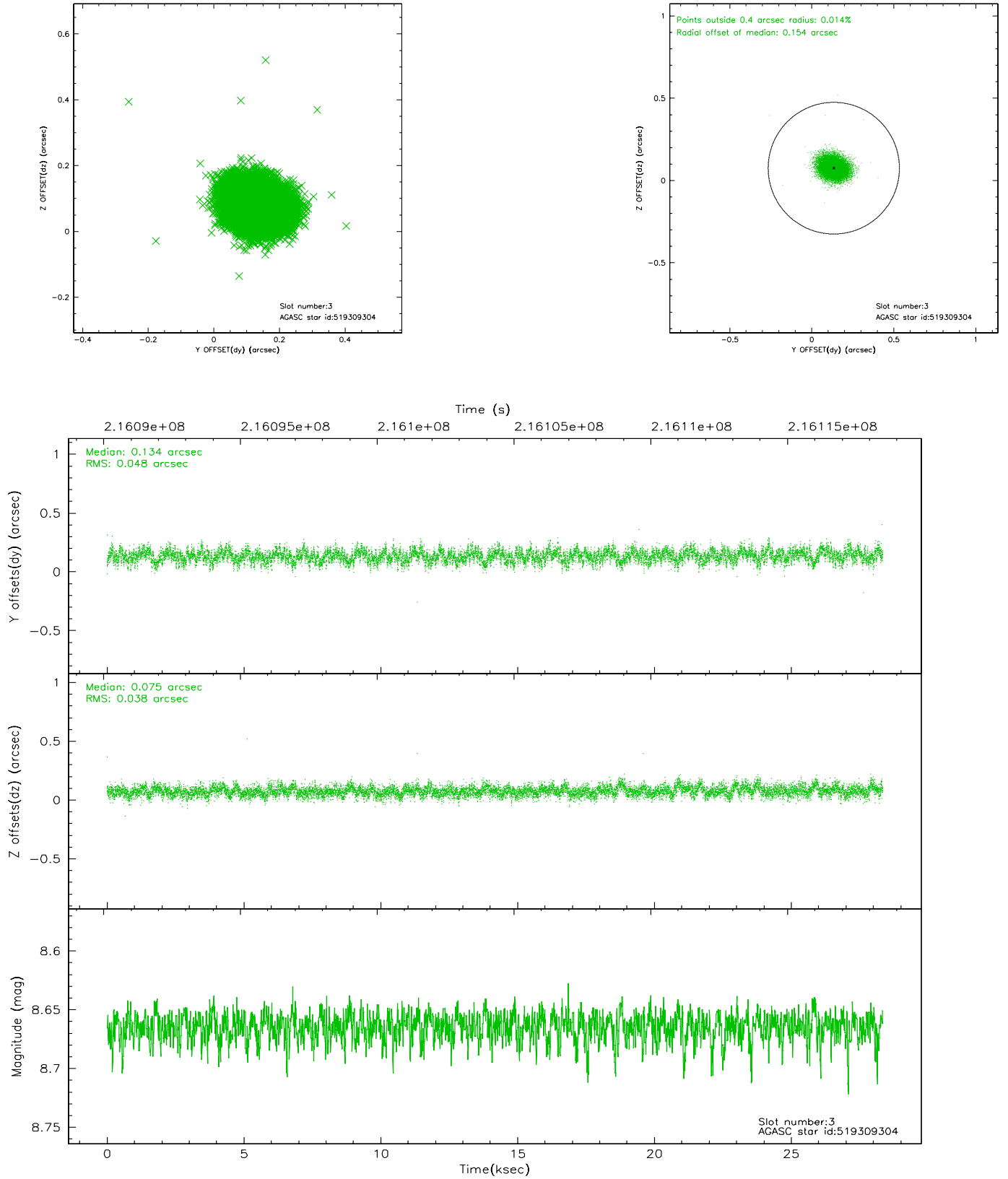


Slot Statistics

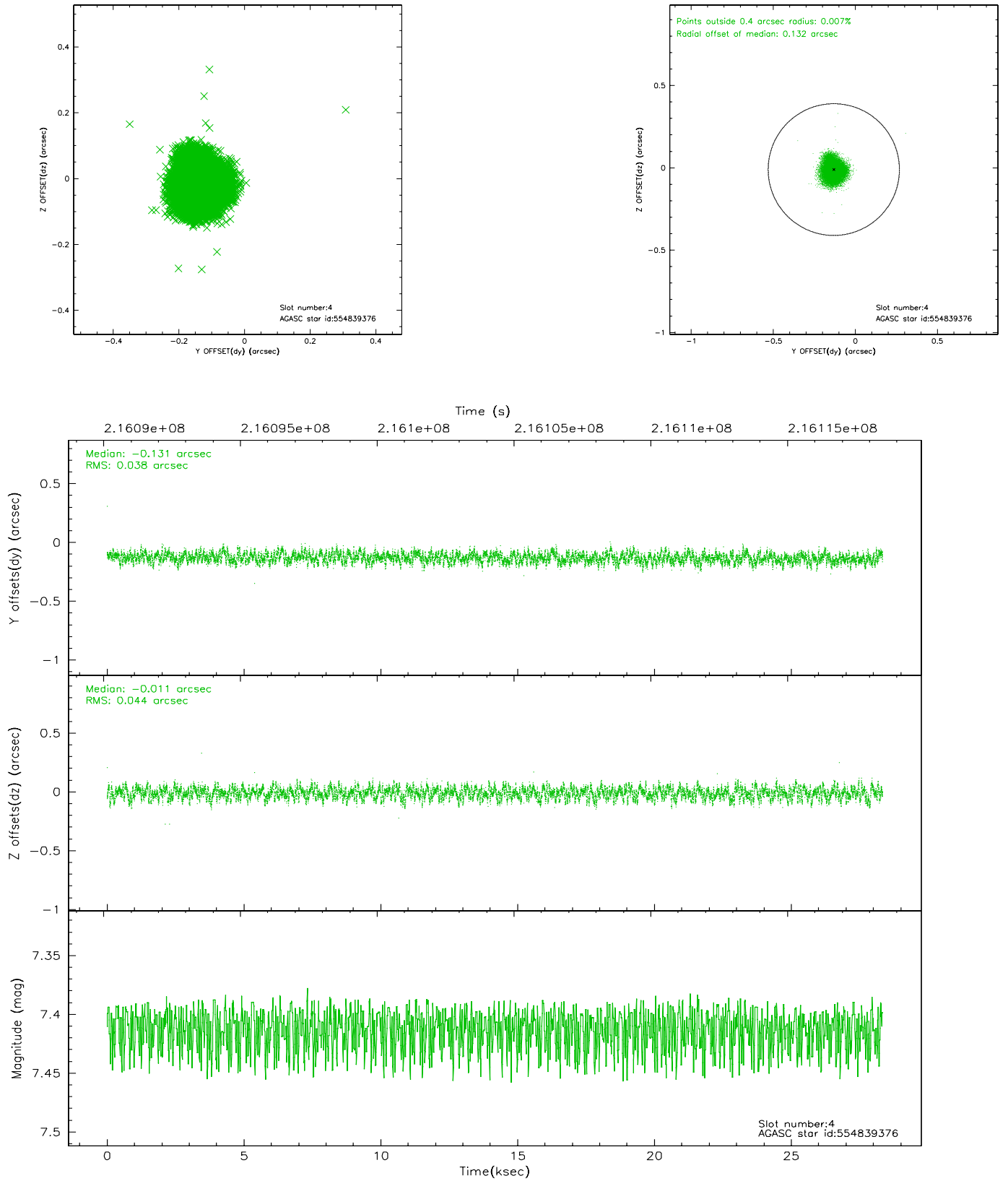
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	6913	0.028	-0.058	0.007	0.013	0.000000	0.000000	938.82	-1724.11
1	FID	ACIS-S-4	7.20	6914	0.044	0.031	0.007	0.012	0.000000	0.000000	2156.33	180.02
2	FID	ACIS-S-5	7.23	6913	-0.099	0.040	0.006	0.010	0.000000	0.000000	-1810.03	173.80
3	GUIDE	519309304	8.66	13824	0.134	0.075	0.064	0.105	309.978425	59.702936	1896.10	1884.96
4	GUIDE	554839376	7.41	13822	-0.131	-0.011	0.063	0.096	308.018563	60.422364	-1273.74	-1124.09
5	GUIDE	554842440	8.18	13825	0.005	-0.044	0.067	0.112	307.970960	60.063321	-21.90	-1454.86
6	GUIDE	556537192	9.21	13818	-0.073	-0.052	0.094	0.152	309.975880	60.344309	-383.49	2253.69
7	GUIDE	519311352	8.74	13822	0.066	0.035	0.073	0.118	309.050952	59.661888	1757.30	198.80

2.4 Star Slots

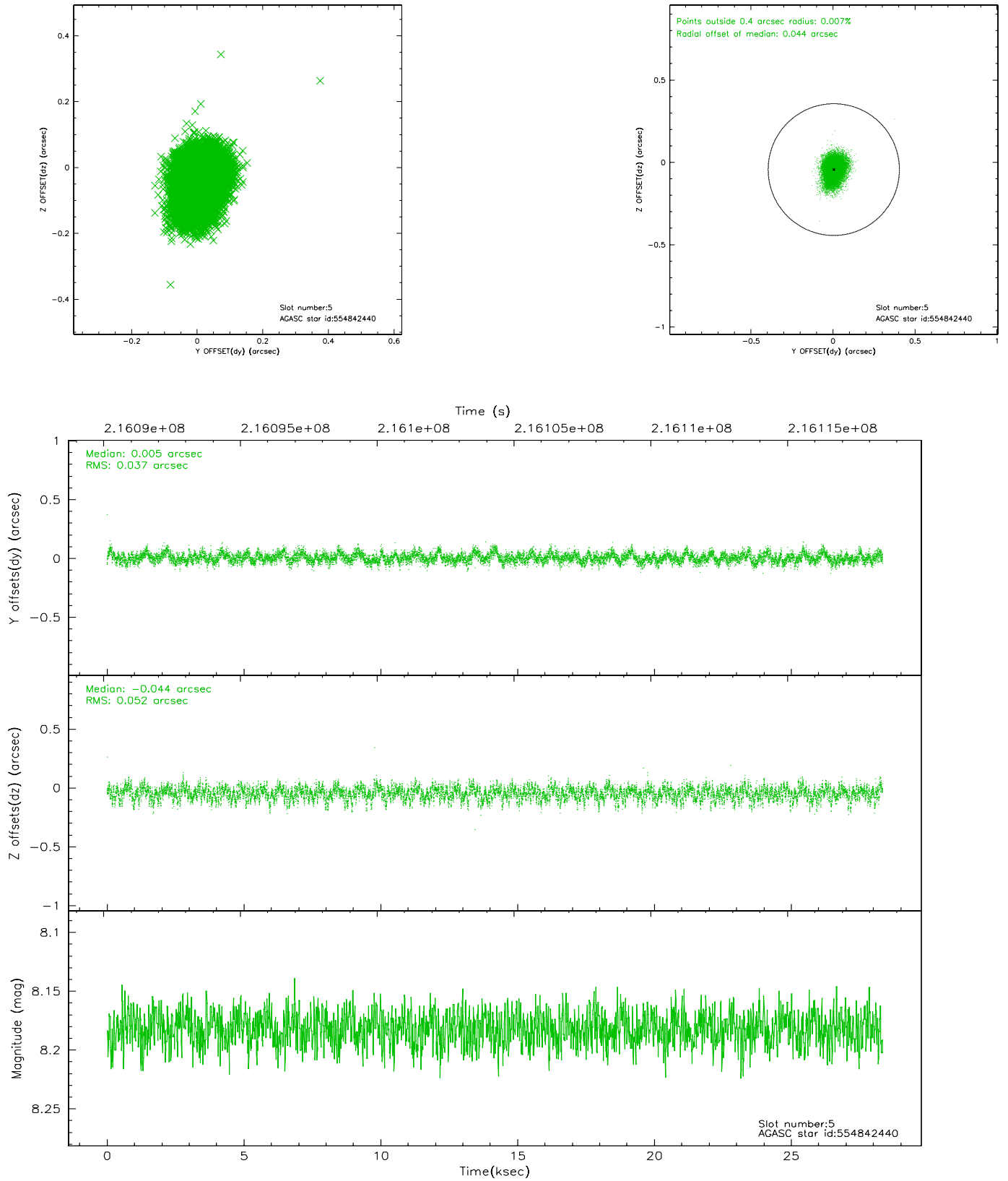
2.4.1 Slot 3



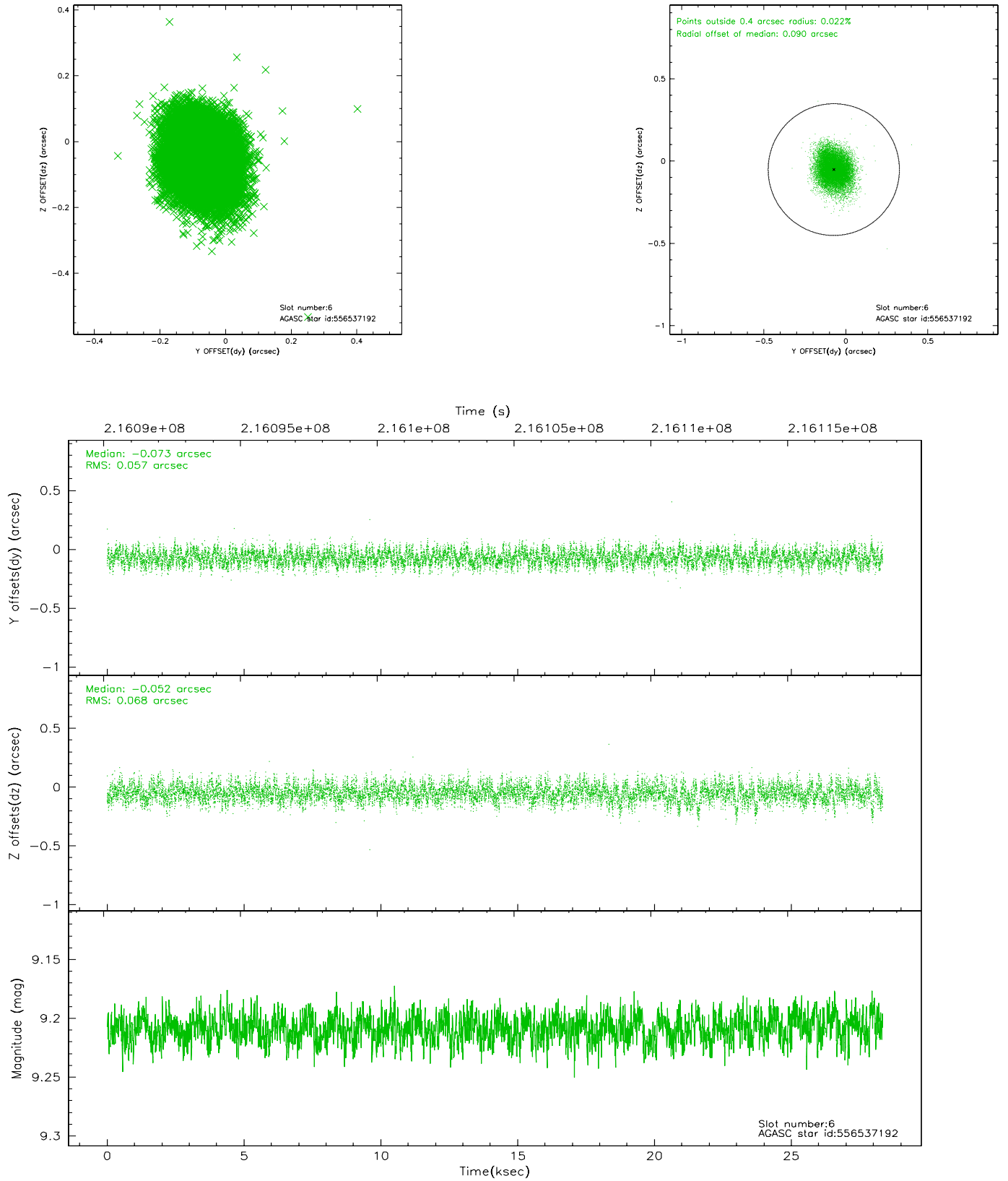
2.4.2 Slot 4



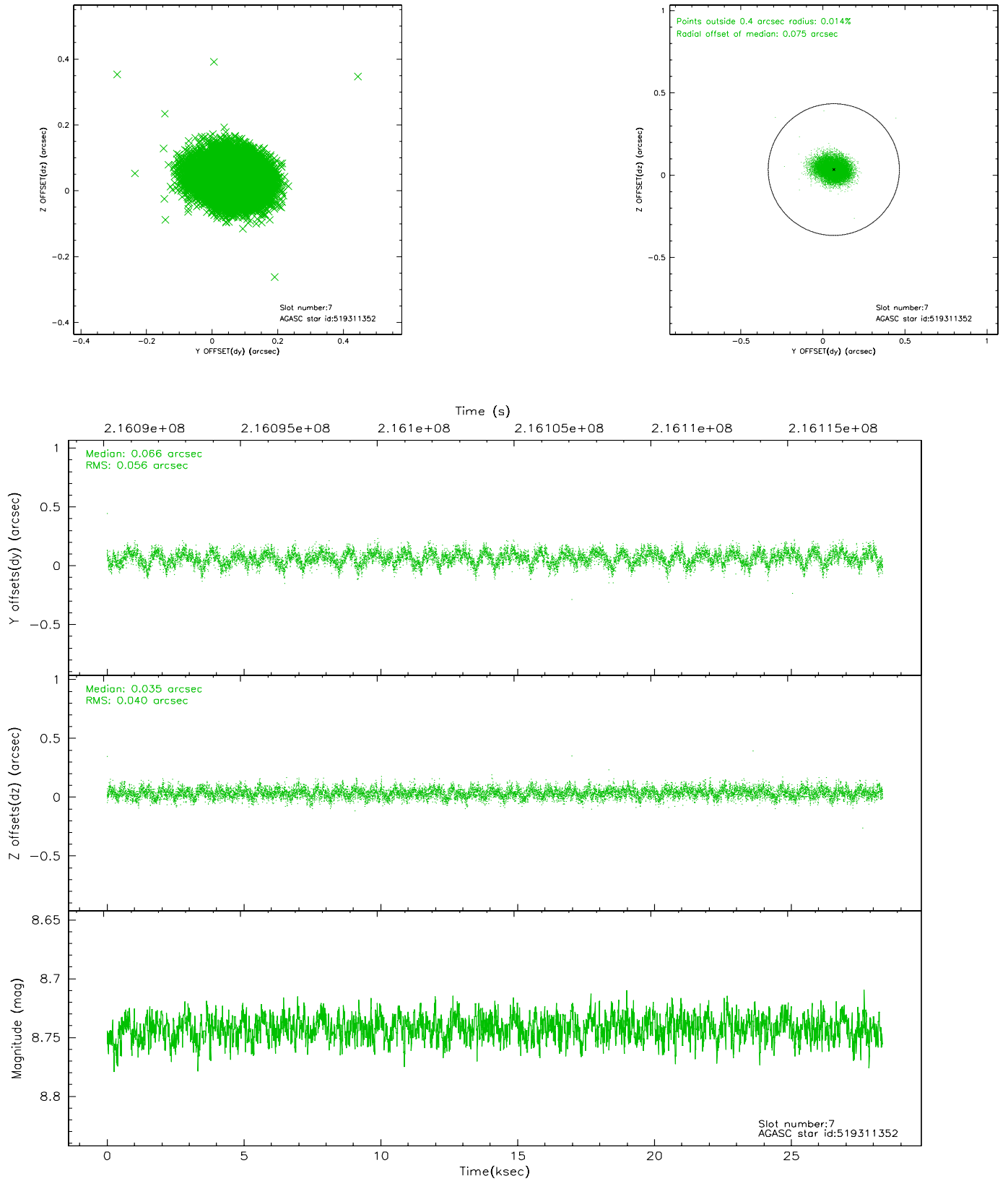
2.4.3 Slot 5



2.4.4 Slot 6

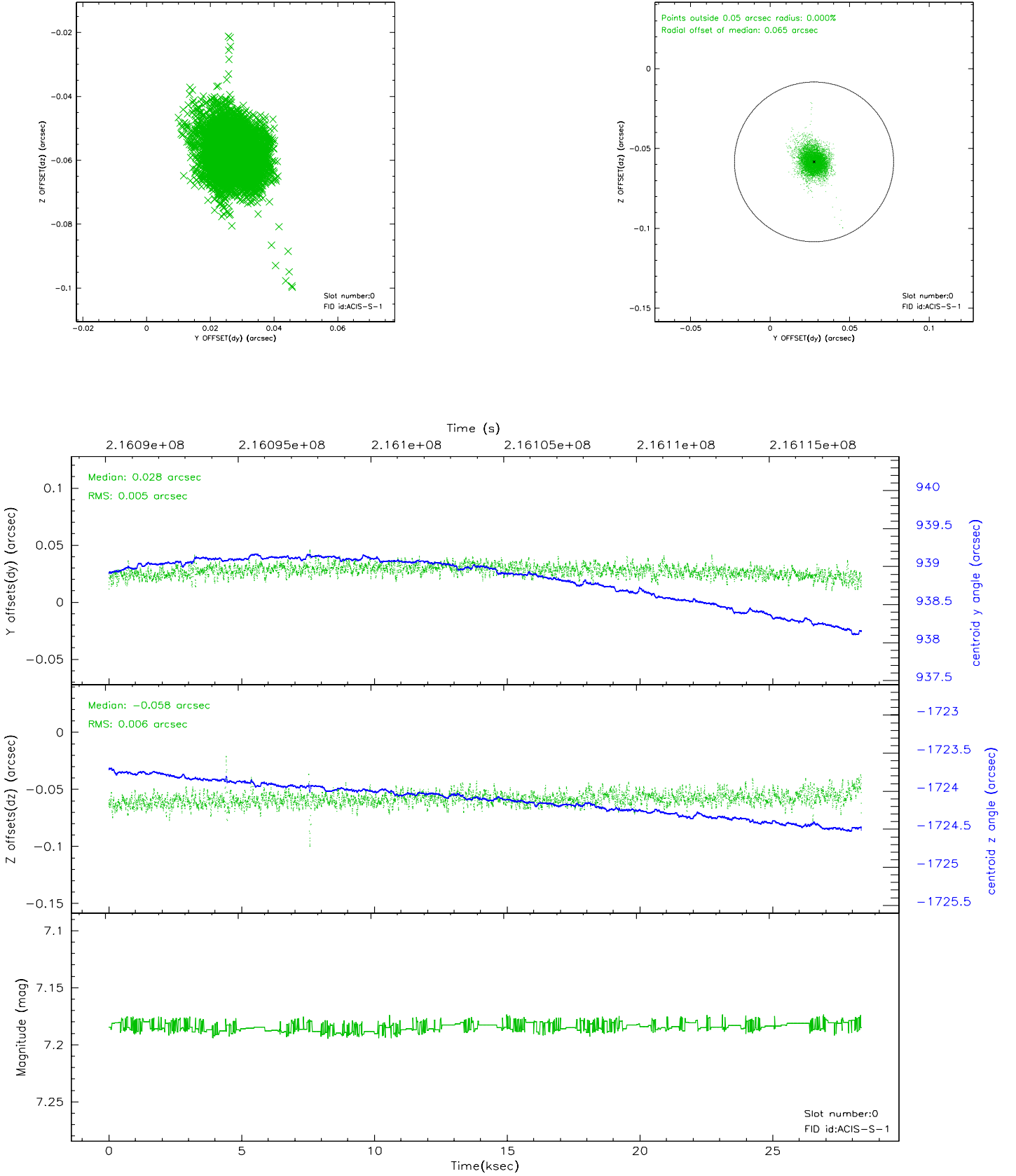


2.4.5 Slot 7

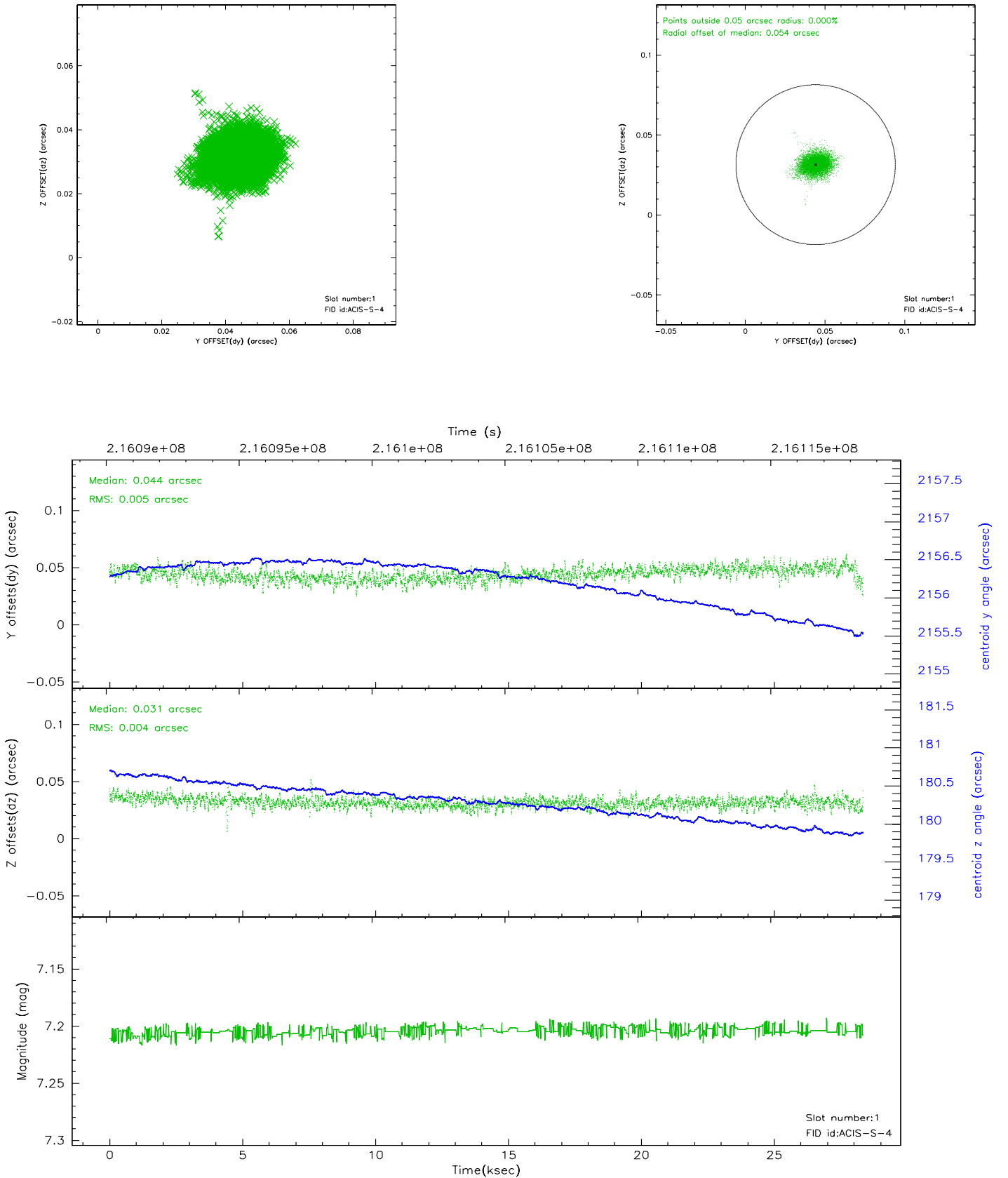


2.5 FID Slots

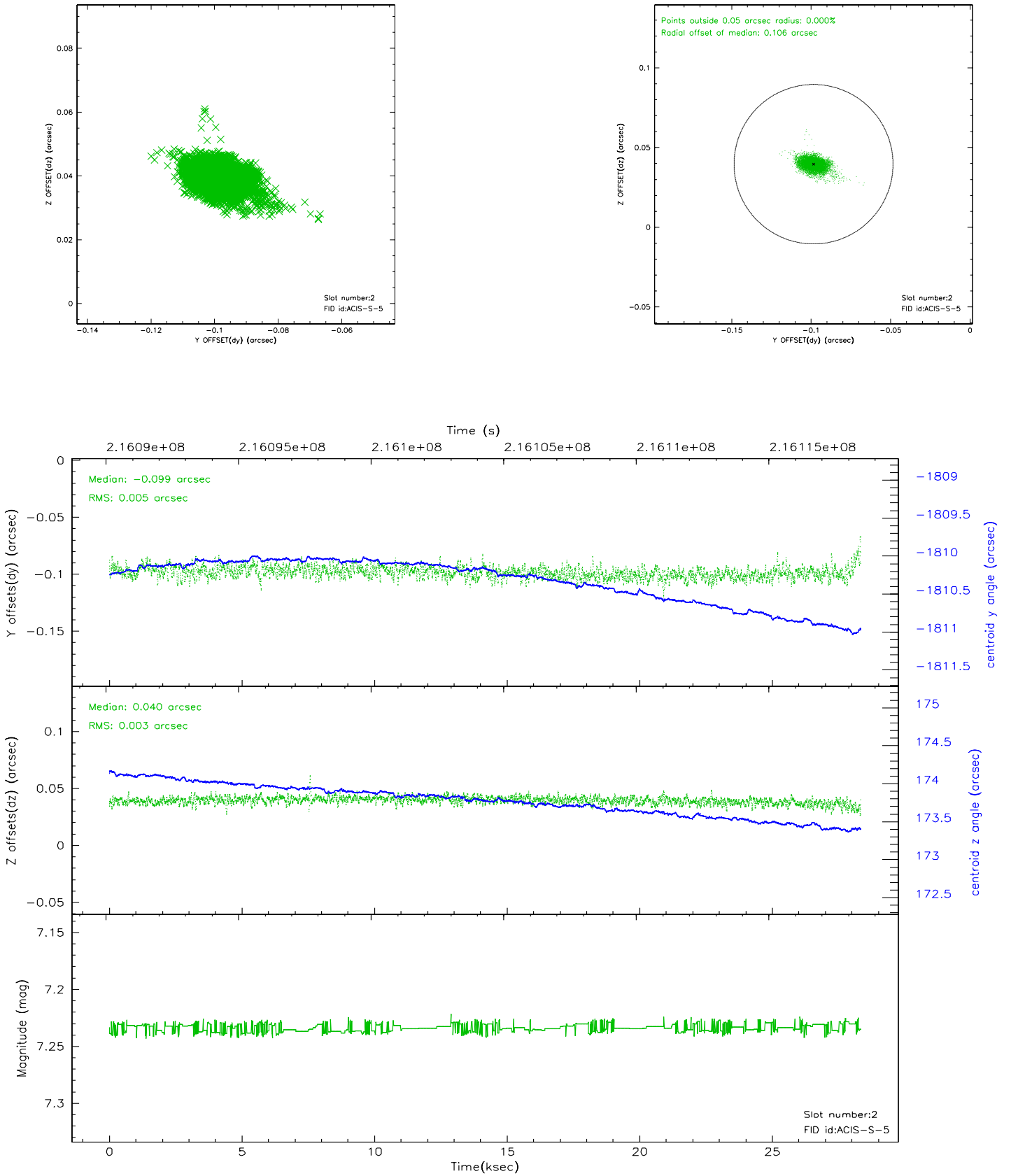
2.5.1 Slot 0



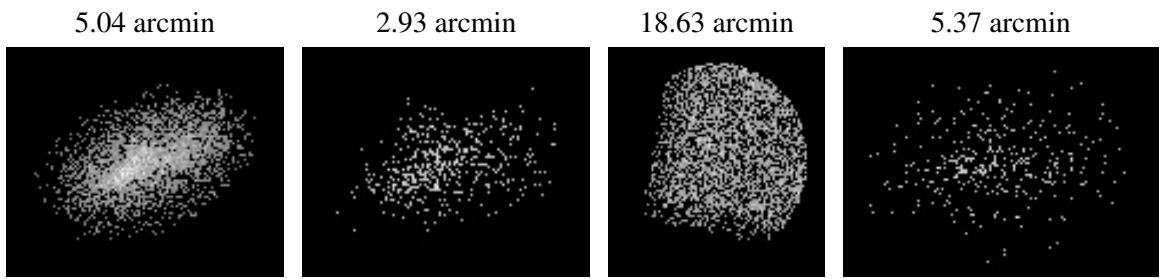
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.339

A.2 Comments

Roll constraint met. Monitor constraint met.