

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2059 - L2 Version 001
Chandra X-Ray Center

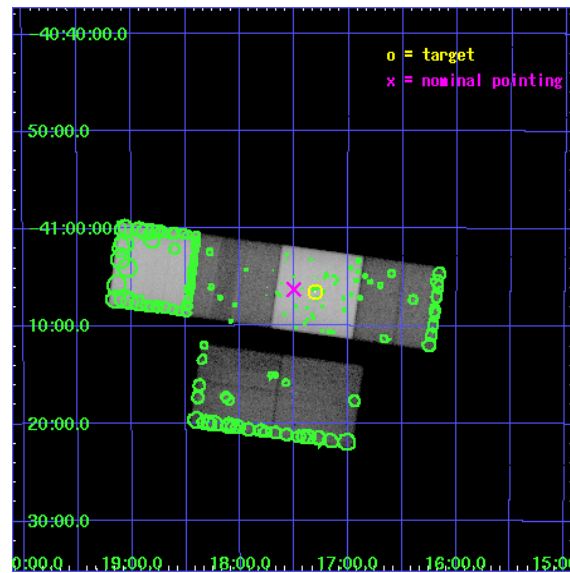
L2 Processing Date : Jun 14 2007

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1 Front

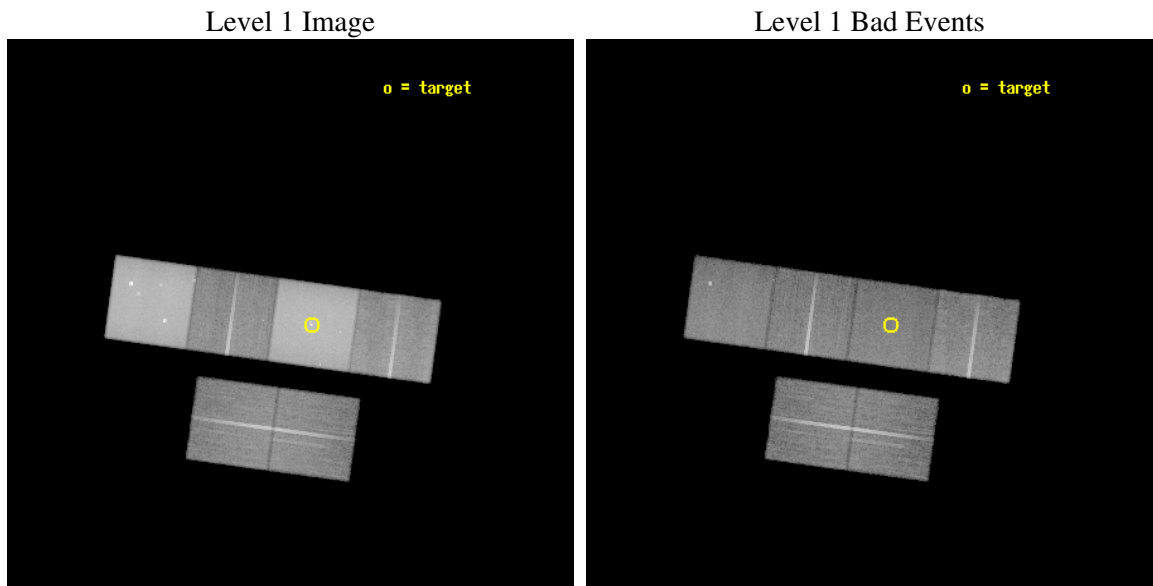
seq_num	600193
obs_id	2059
title	THE X-RAY POINT SOURCE POPULATION IN SPIRAL GALAXIES
observer	Dr Andrea Prestwich
object	NGC 1291
dtcycle	0
cycle	P
ra_targ	49.32625
dec_targ	-41.107778
ra_nom	49.375922452162
dec_nom	-41.104515481902
roll_nom	7.8341555753935
revision	2
ontime	36998.400034457
livetime	36529.904015459
ontime2	36991.918054163
ontime3	36998.400034457
ontime5	36998.400034457
ontime6	36991.918054149
ontime7	36998.400034457
ontime8	36995.159064218
l2events	1140142



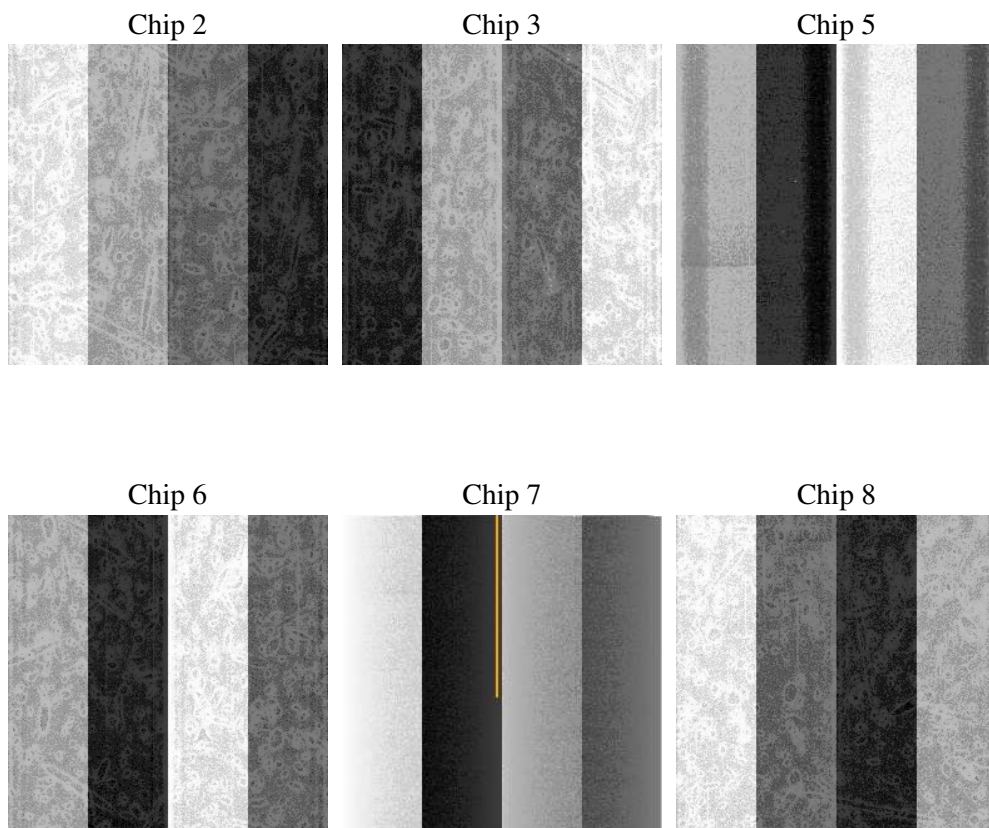
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-14T15:01:52
revision	2

sched_exp_time	37247.658000
ontime	36998.400034457
ontime2	36991.918054163
ontime3	36998.400034457
ontime5	36998.400034457
ontime6	36991.918054149
ontime7	36998.400034457
ontime8	36995.159064218
l1events	2311796

2.1.4 Events

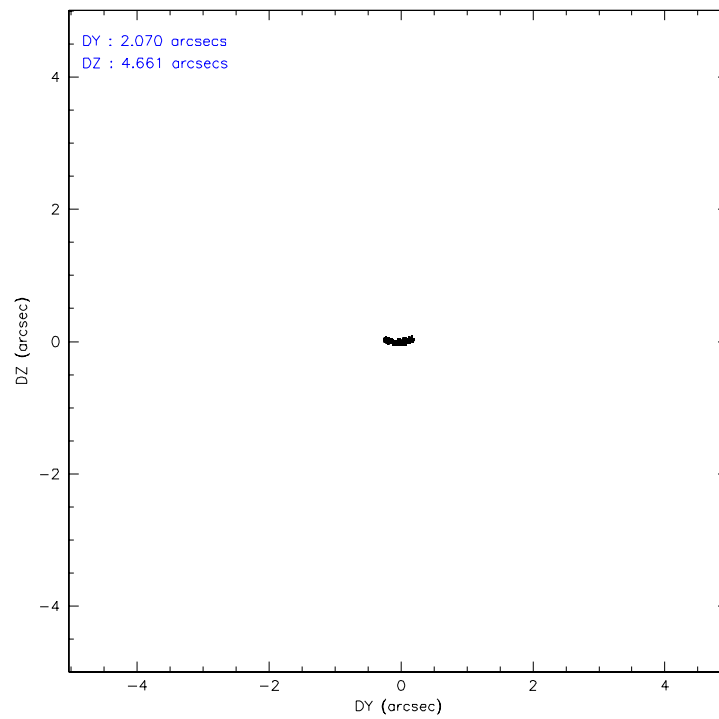
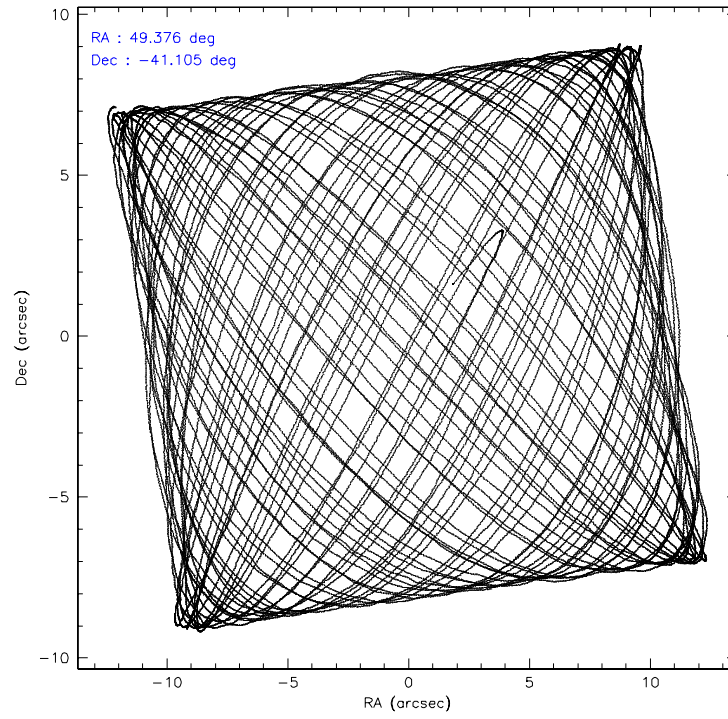
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	232898	224164	648271	253646	649291	303526
rejected events	187755	179437	183657	185093	159243	211525
rejected %	80%	80%	28%	72%	24%	69%

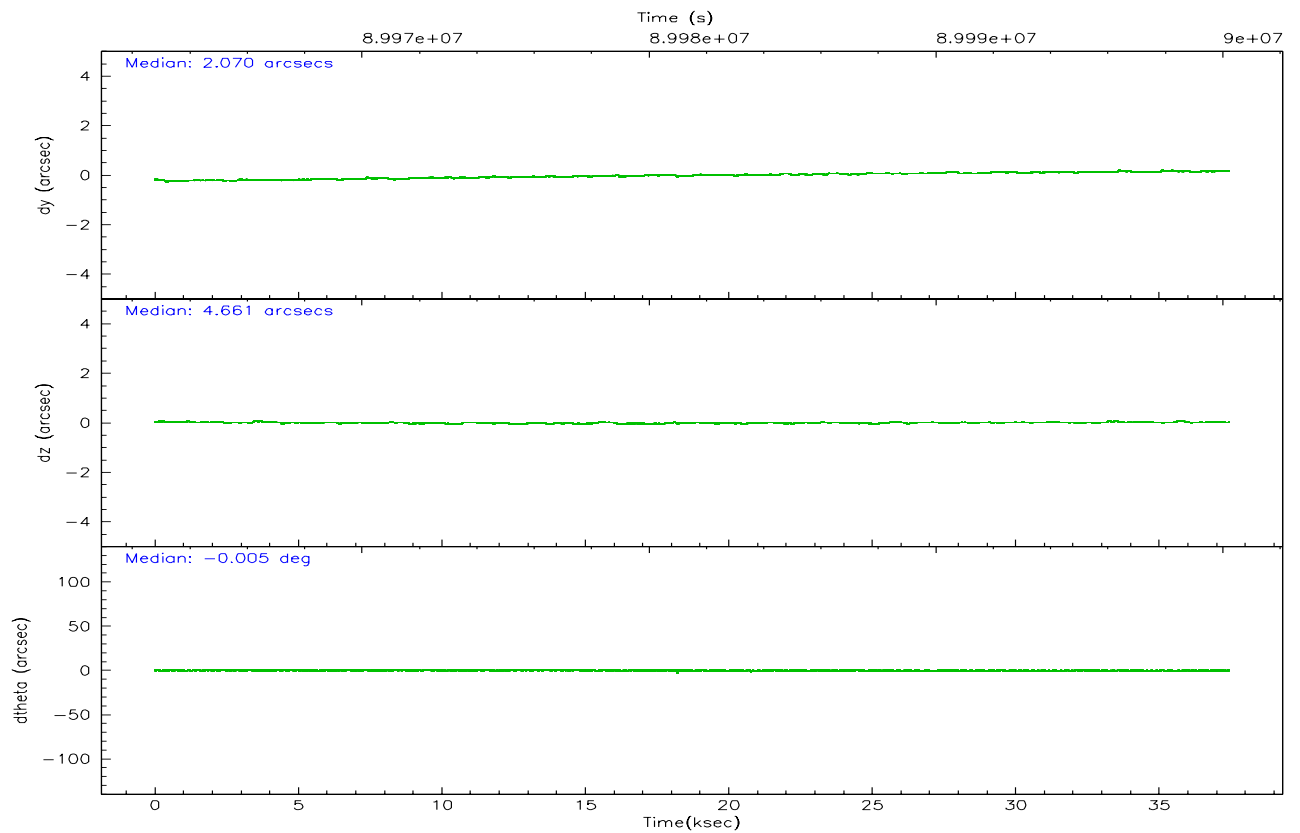
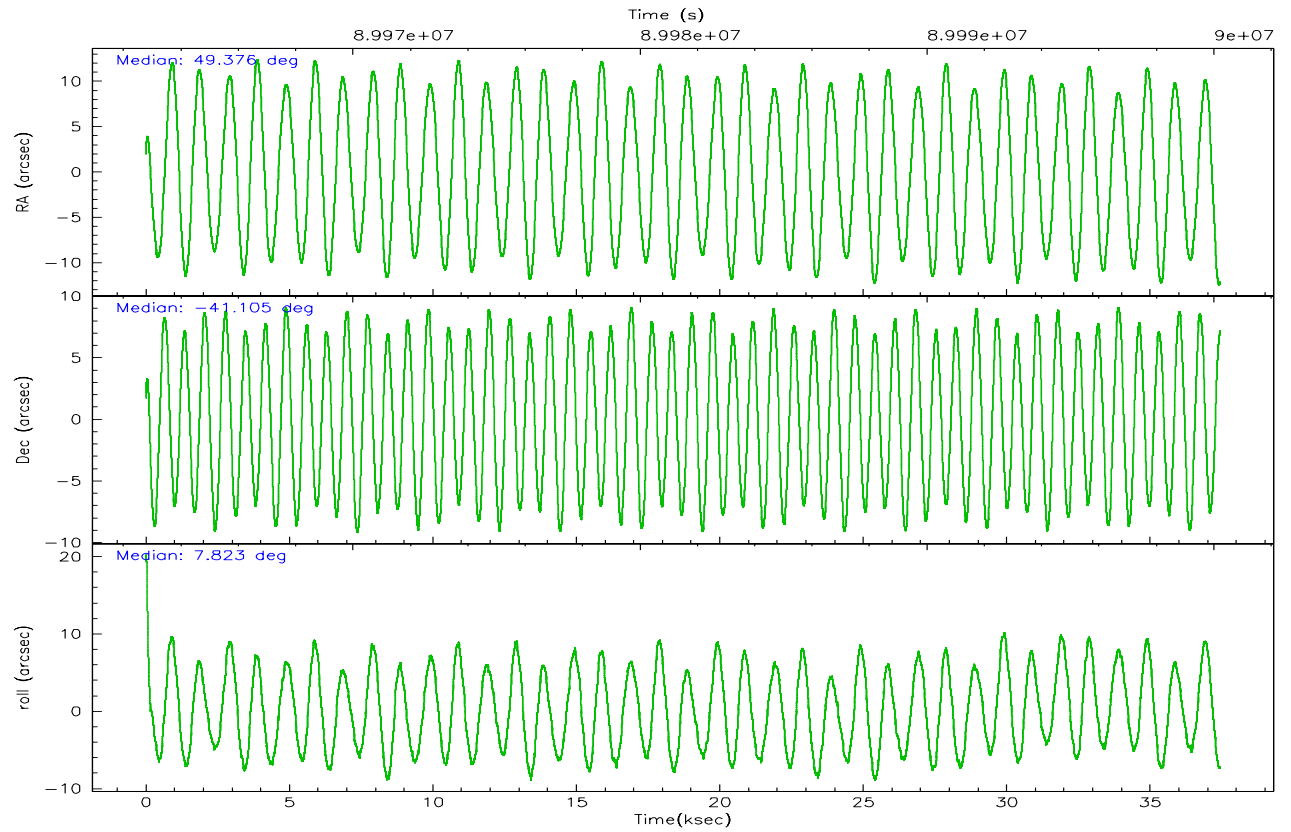
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	26712	26287	77697	45766	58273	49718
	11%	11%	11%	18%	8%	16%
grade 1 events	142	129	1063	204	262	227
	0%	0%	0%	0%	0%	0%
grade 2 events	8822	8909	128030	11538	87549	17282
	3%	3%	19%	4%	13%	5%
grade 3 events	2449	2582	28408	2798	38762	5879
	1%	1%	4%	1%	5%	1%
grade 4 events	2400	2494	28066	2950	38517	5487
	1%	1%	4%	1%	5%	1%
grade 5 events	6830	7534	26432	8451	26508	10700
	2%	3%	4%	3%	4%	3%
grade 6 events	4767	4461	202497	5503	267032	13646
	2%	1%	31%	2%	41%	4%
grade 7 events	180776	171768	156078	176436	132388	200587
	77%	76%	24%	69%	20%	66%

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	49.347443	49.37592245216221	Subarray requested	NONE	NONE
Pointing Dec	-41.121436	-41.10451548190156	Alternating exposures requested	N	N
Pointing Roll	7.658793	7.834155575393456	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	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	89962978.184000	89962135.958059			
Observation start date	2000-11-07T05:41:54	2000-11-07T05:28:55			
Observation end time	90000225.184000	90000540.147012			
Observation end date	2000-11-07T16:02:41	2000-11-07T16:09:00			
Read mode	TIMED	TIMED			

2.3 Aspect



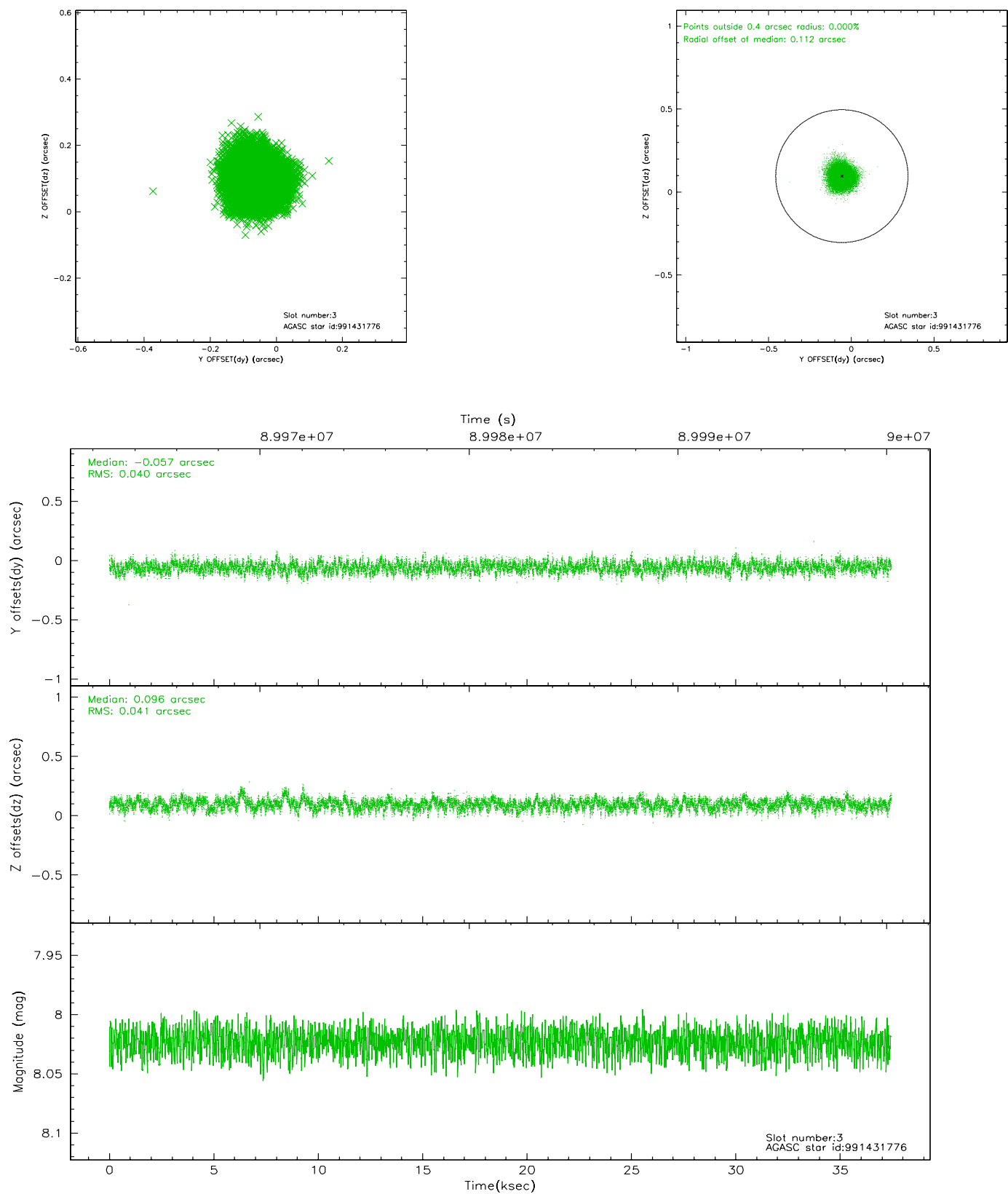


Slot Statistics

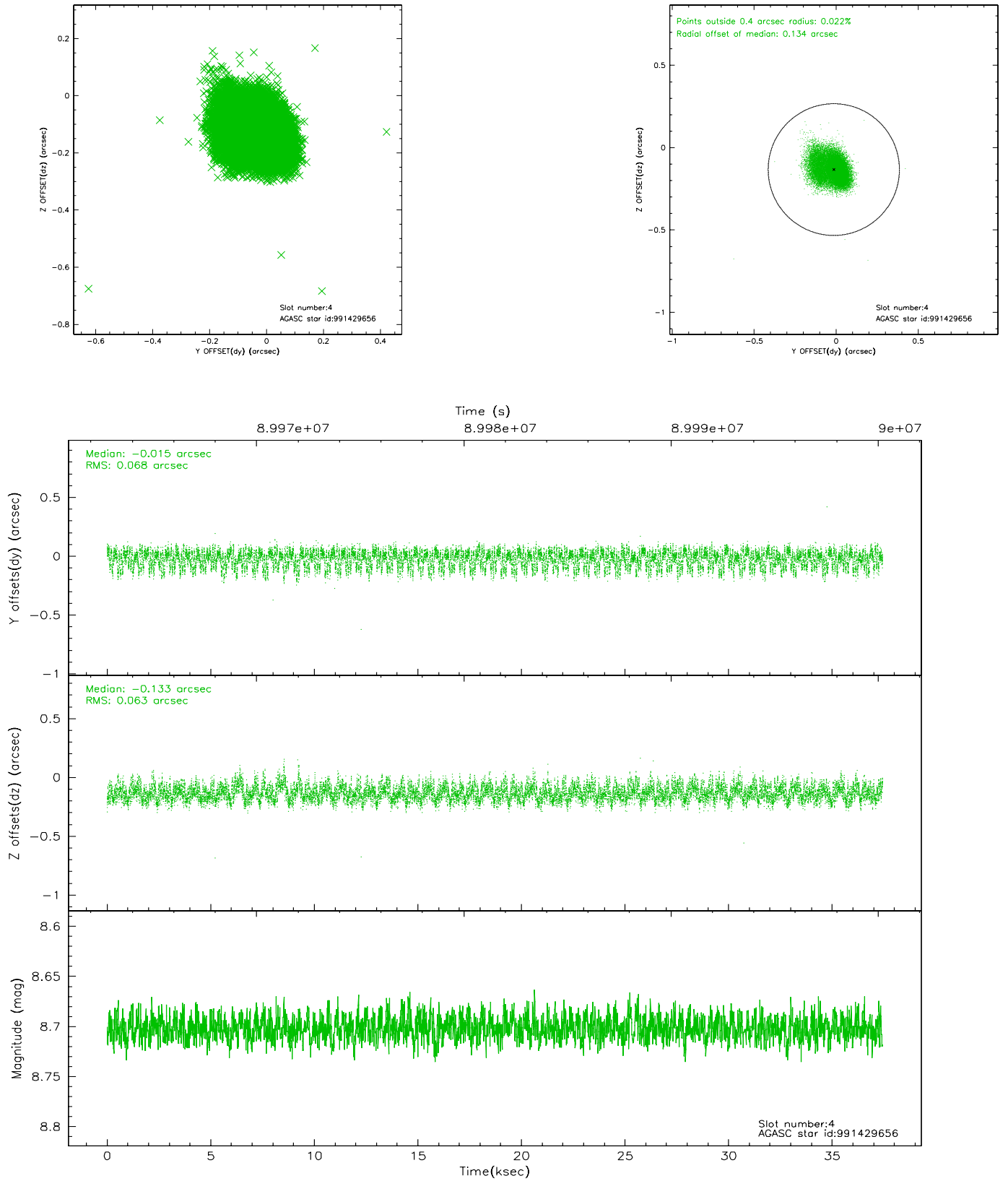
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9132	-0.025	0.012	0.007	0.011	0.000000	0.000000	-754.67	-1725.76
1	FID	ACIS-S-4	7.20	9132	-0.049	0.009	0.005	0.009	0.000000	0.000000	2158.54	182.72
2	FID	ACIS-S-5	7.24	9132	0.043	-0.012	0.007	0.011	0.000000	0.000000	-1807.43	176.36
3	GUIDE	991431776	8.02	18259	-0.057	0.096	0.061	0.098	48.819128	-41.230215	-1469.63	-202.01
4	GUIDE	991429656	8.70	18254	-0.015	-0.133	0.099	0.158	49.345871	-40.469939	308.46	2324.92
5	GUIDE	992356064	9.13	18259	-0.010	0.054	0.092	0.151	50.056275	-41.711435	1605.14	-2366.23
6	GUIDE	991432392	9.90	18245	0.005	-0.017	0.110	0.182	49.526093	-41.573750	260.95	-1678.56
7	GUIDE	991431272	10.40	18237	0.080	0.015	0.151	0.292	49.440709	-41.283139	173.42	-610.84

2.4 Star Slots

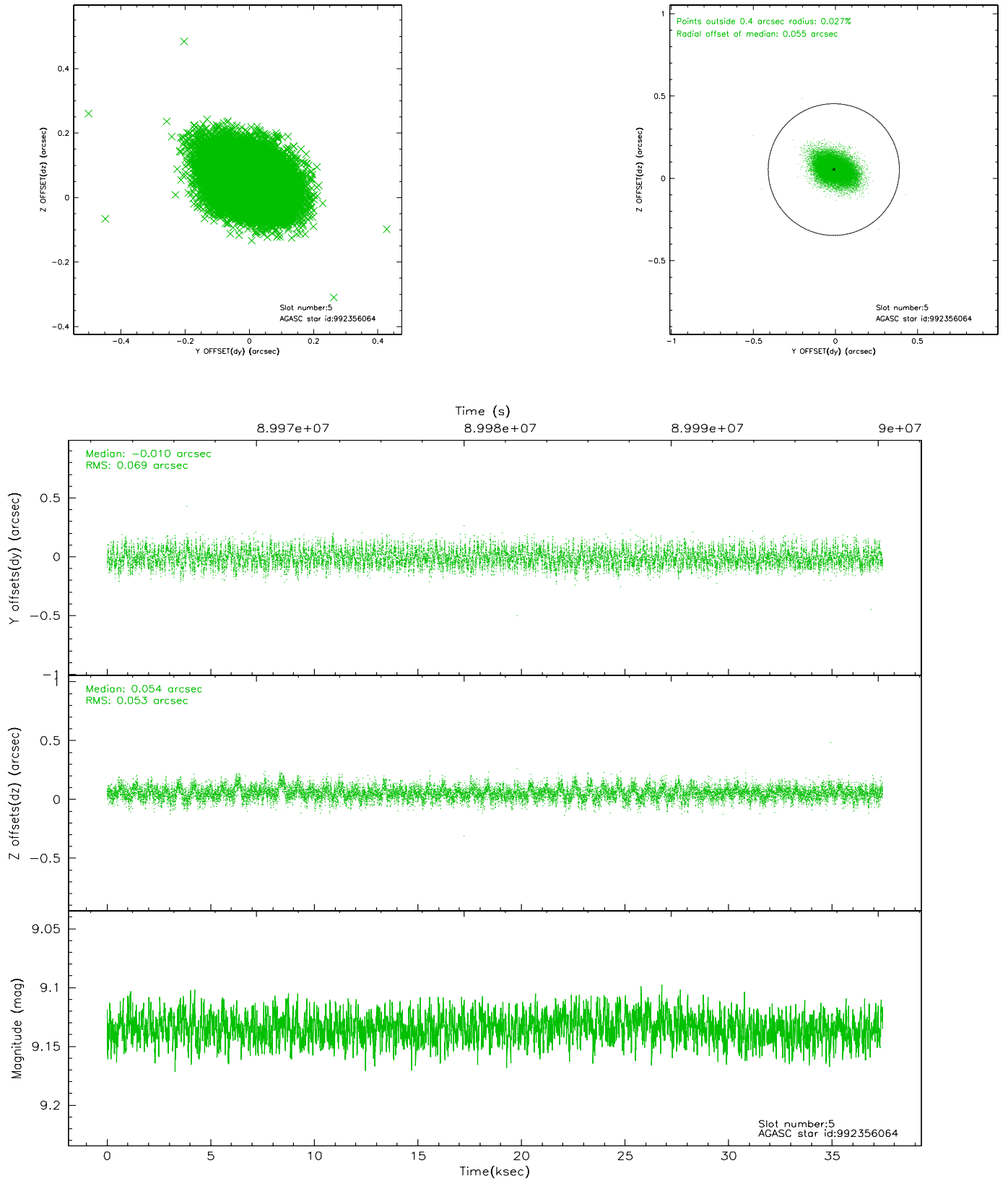
2.4.1 Slot 3



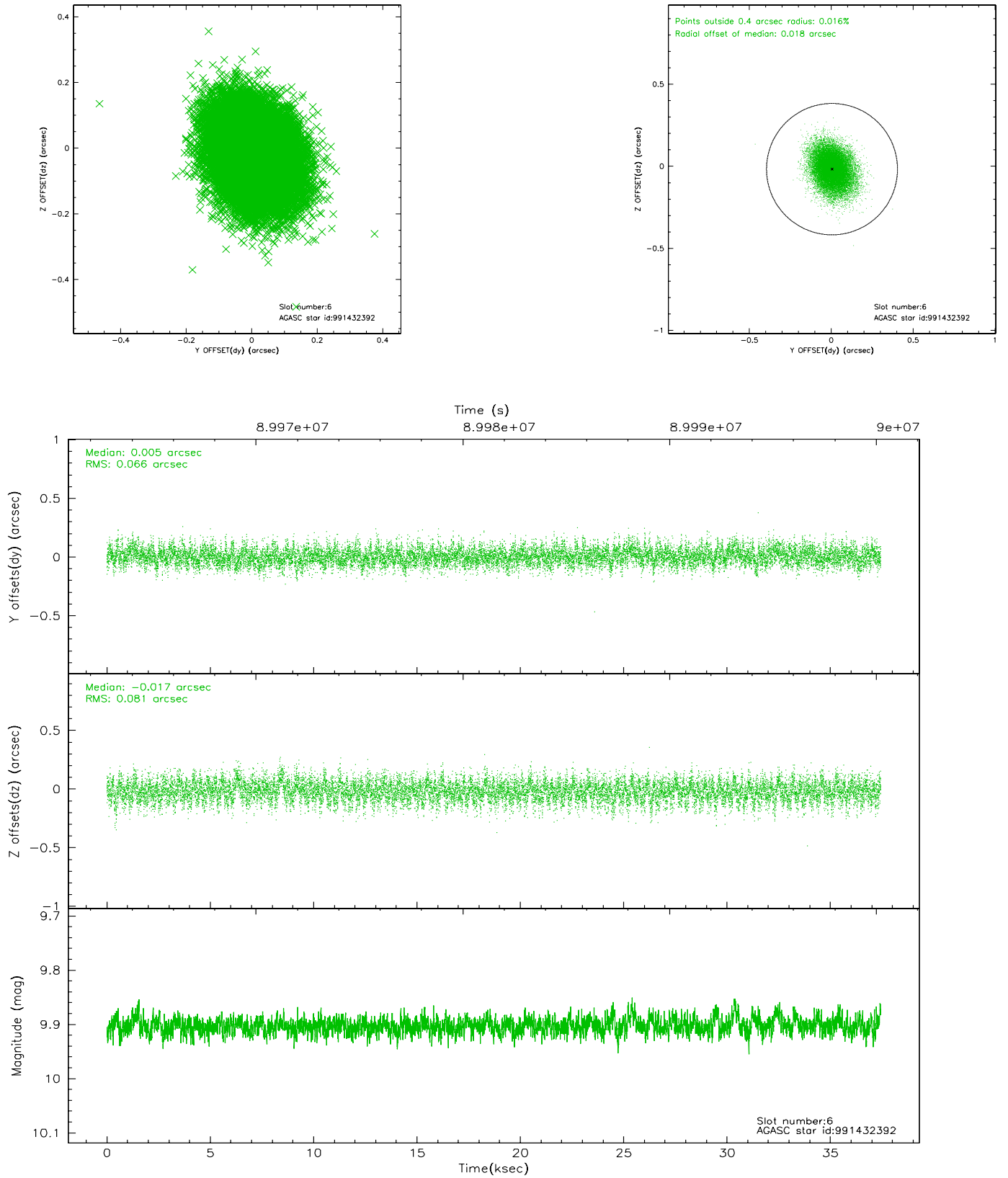
2.4.2 Slot 4



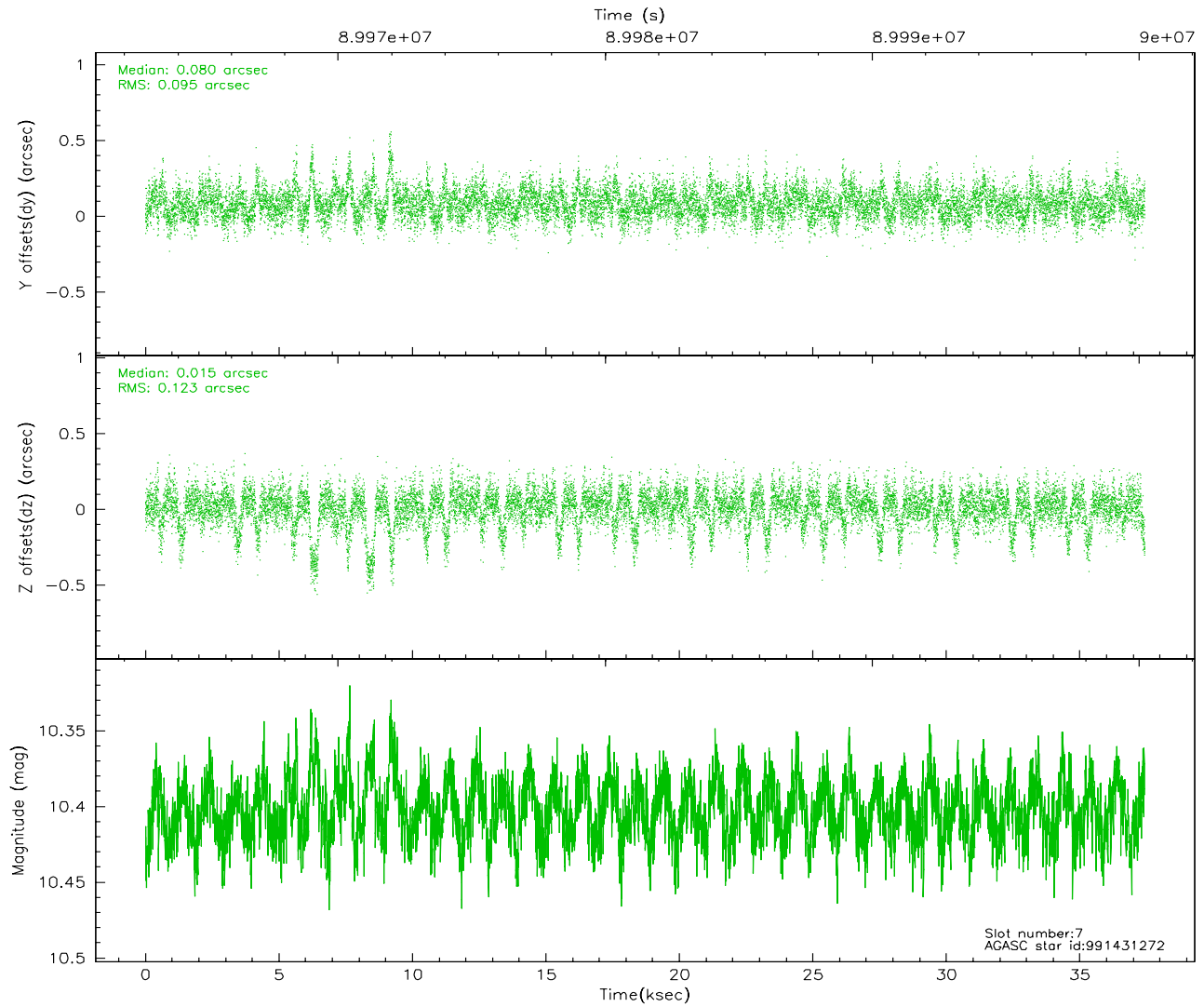
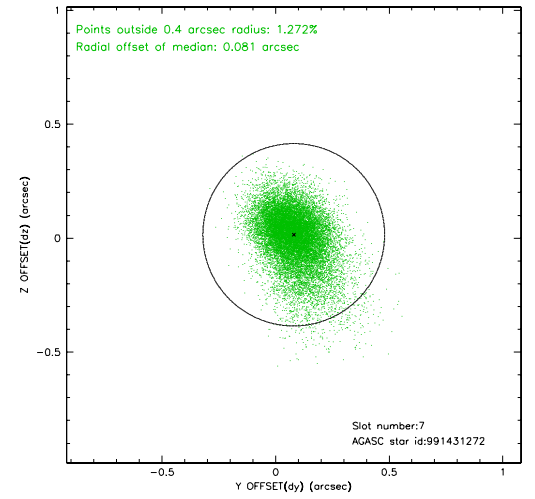
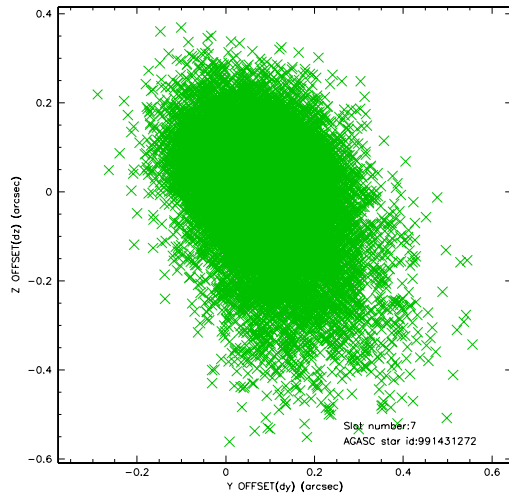
2.4.3 Slot 5



2.4.4 Slot 6

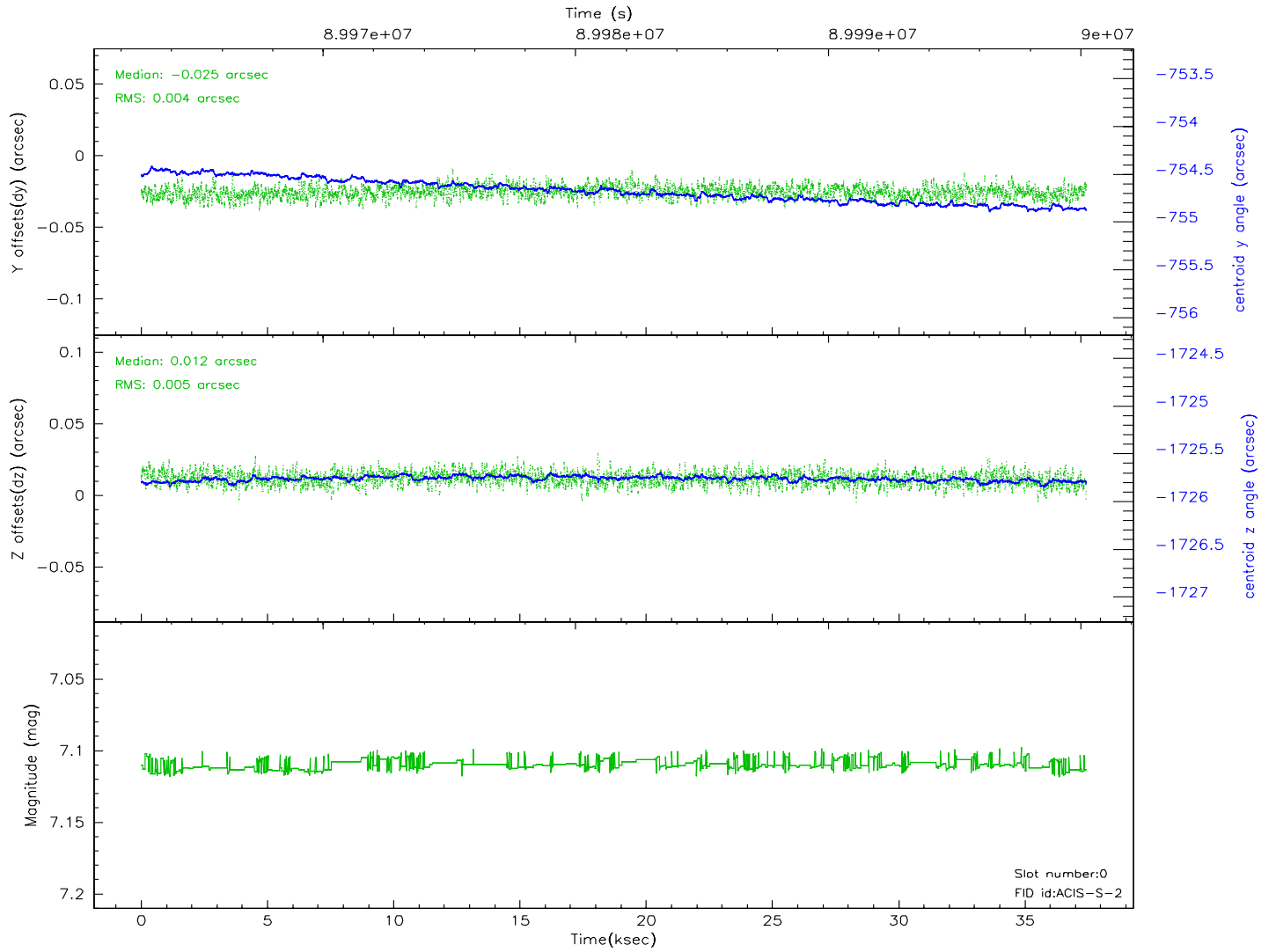
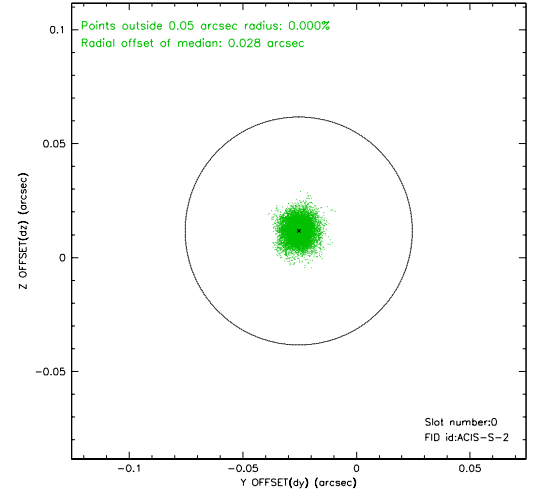
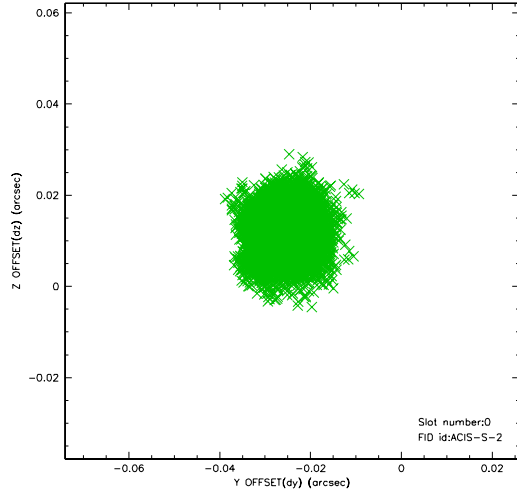


2.4.5 Slot 7

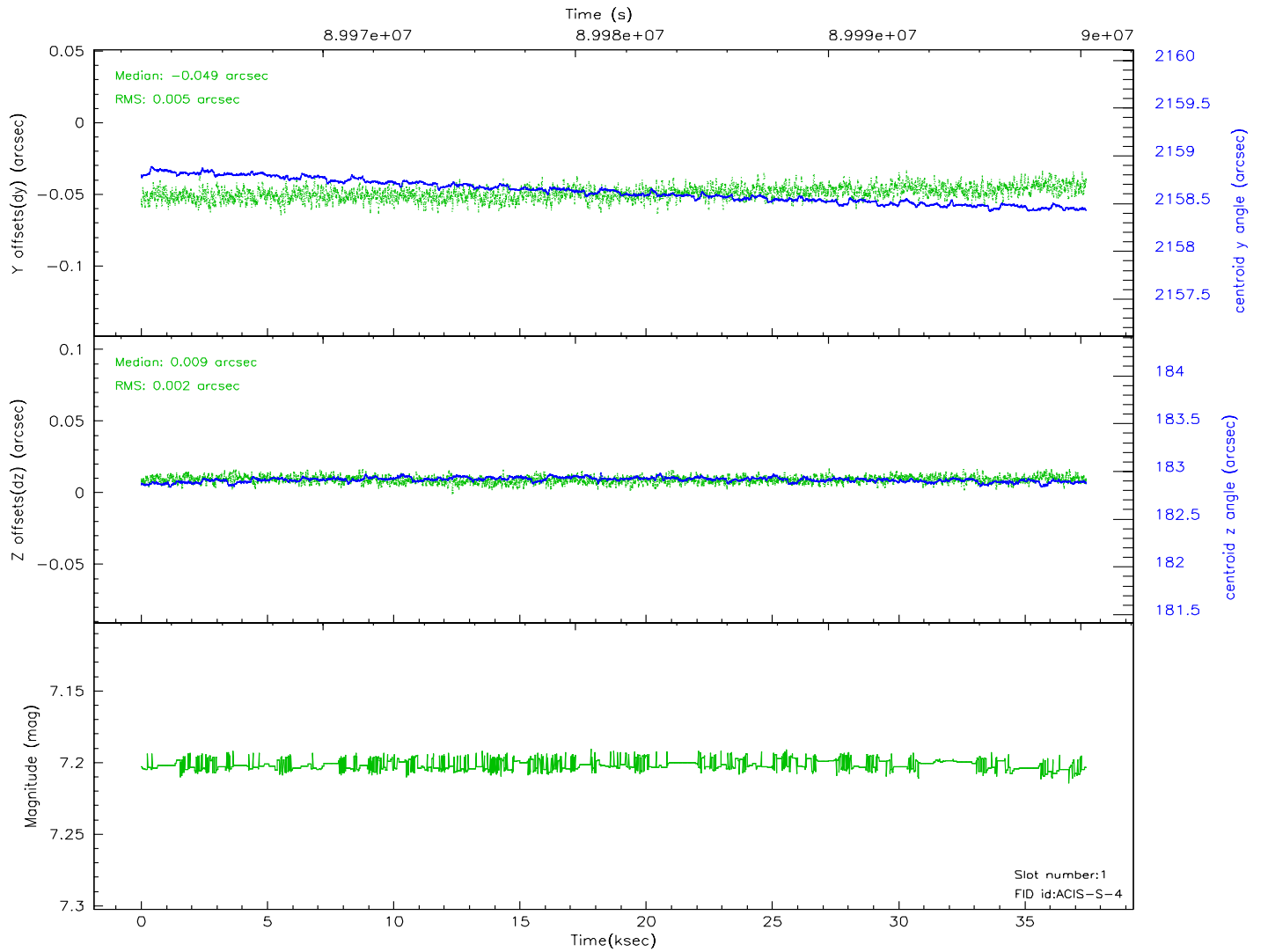
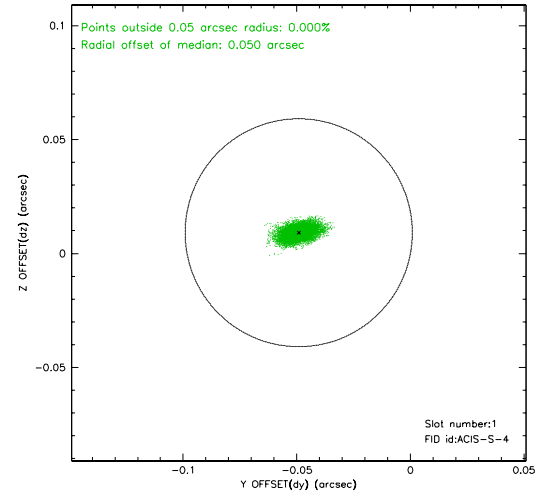
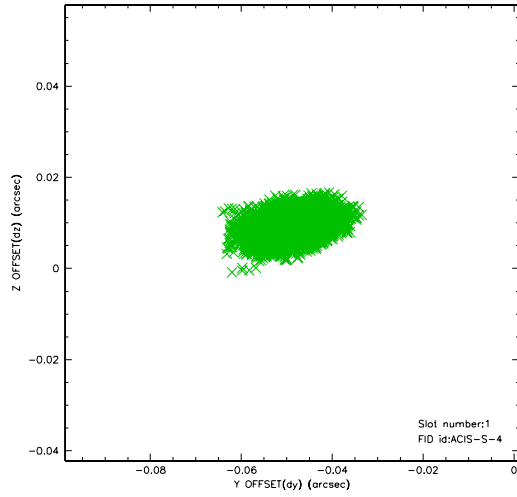


2.5 FID Slots

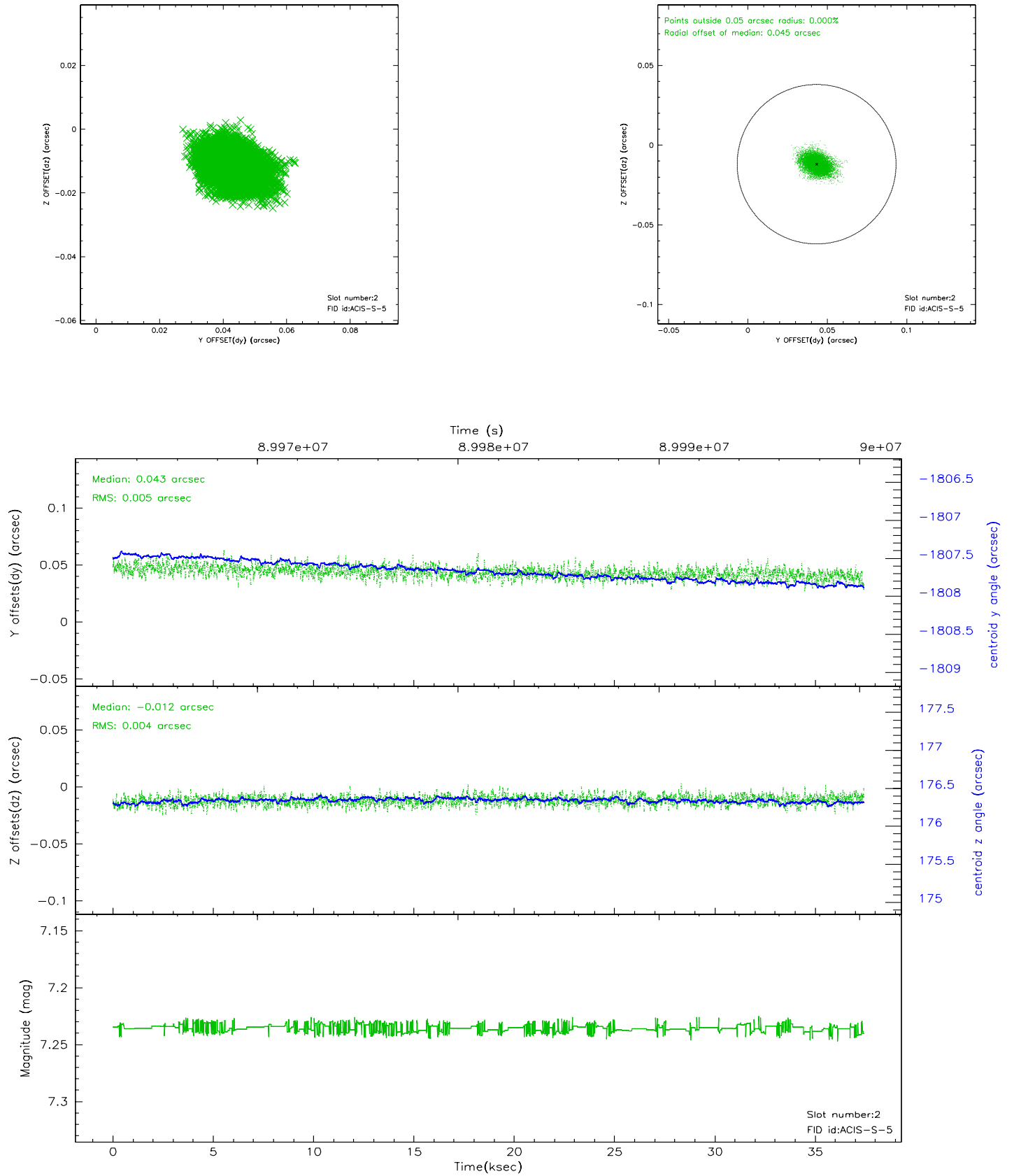
2.5.1 Slot 0



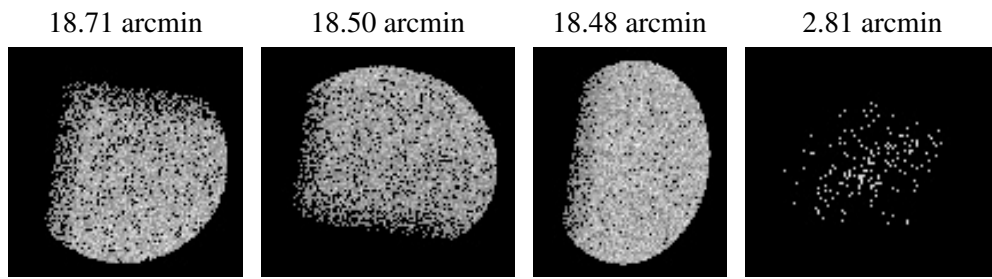
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.001

A.2 Comments

Spike in count rate from about 10 counts per second to about 60 - 80 counts per second between 23 and 37 ksec into the observation.