

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3965 - L2 Version 001
Chandra X-Ray Center

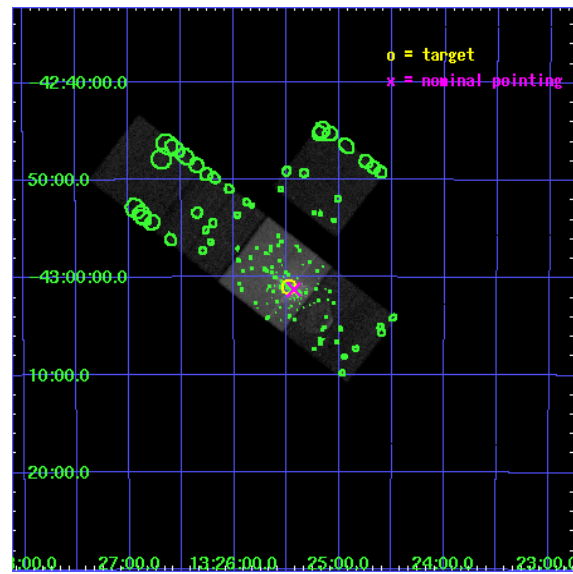
L2 Processing Date : Jul 5 2006

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

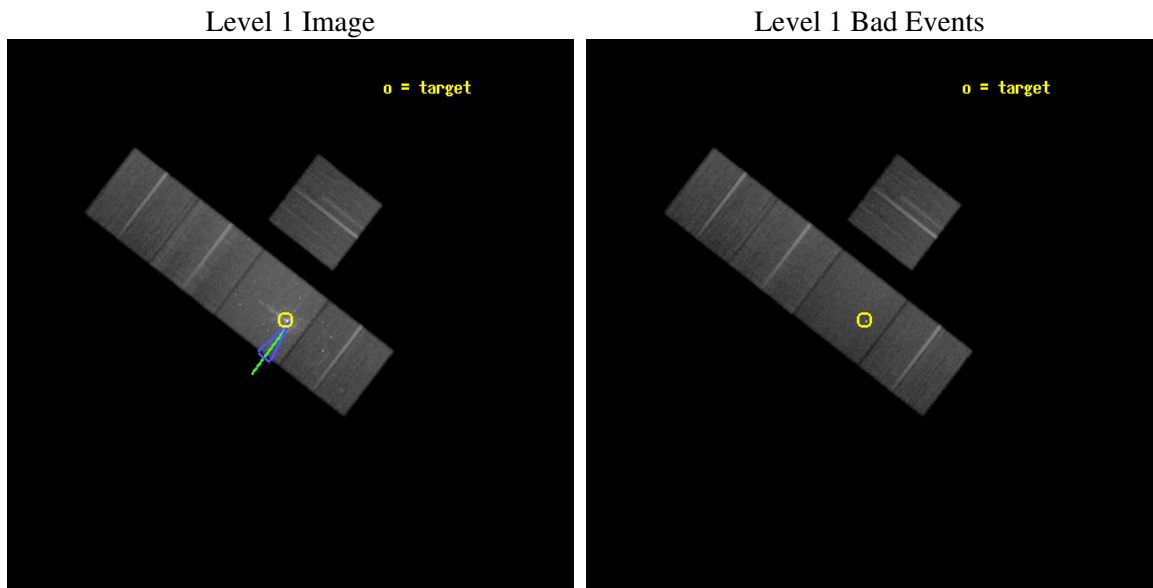
seq_num	700644
obs_id	3965
title	A SEARCH FOR PROPER MOTIONS, INTENSITY VARIATIONS, AND SPECTRAL CHANGES IN THE X-RAY KNOTS OF THE CENTAURUS A JET
observer	Dr. Ralph Kraft
object	CENTAURUS A
dtcycle	0
cycle	P
ra_targ	201.369583
dec_targ	-43.016583
ra_nom	201.35789003531
dec_nom	-43.02106084464
roll_nom	217.75208909144
revision	2
ontime	50173.49990353
livetime	49517.946190097
ontime3	50170.3589333
ontime6	50173.49990353
ontime7	50173.49990353
ontime8	50173.49990353
ontime9	50173.49990353
l2events	429415



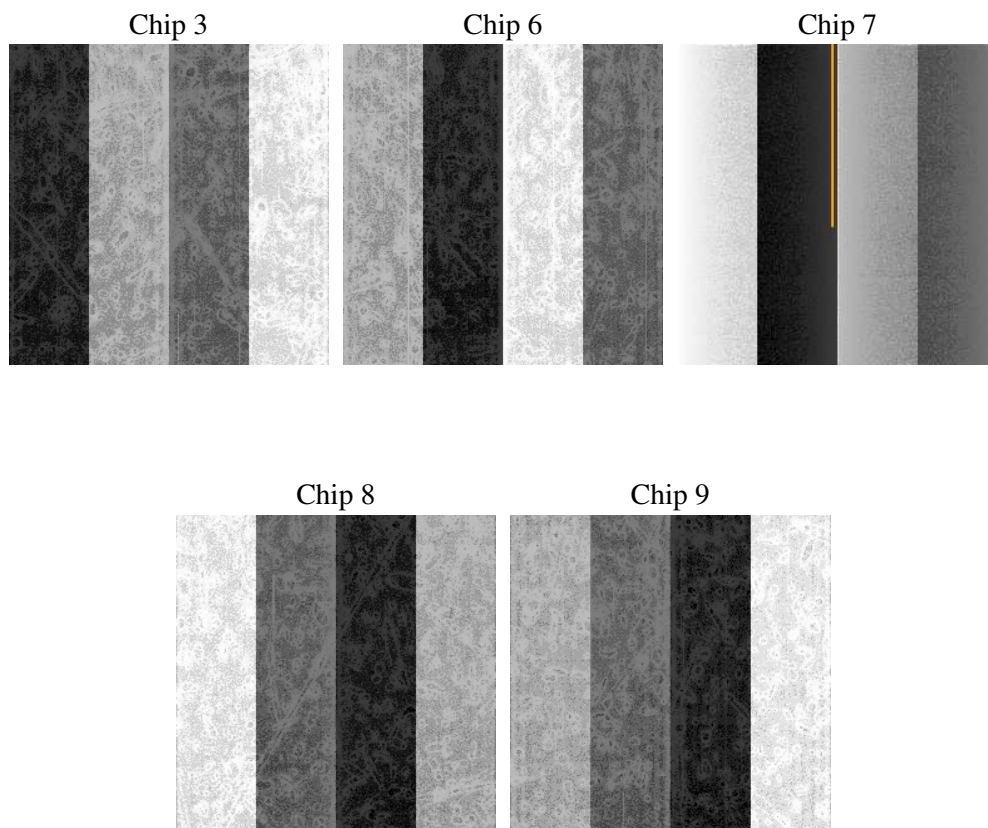
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-05T09:00:43
revision	2

sched_exp_time	50000.000000
ontime	51166.903054297
ontime3	51163.762084067
ontime6	51166.903054297
ontime7	51166.903054297
ontime8	51166.903054297
ontime9	51166.903054297
l1events	1964838

2.1.4 Events

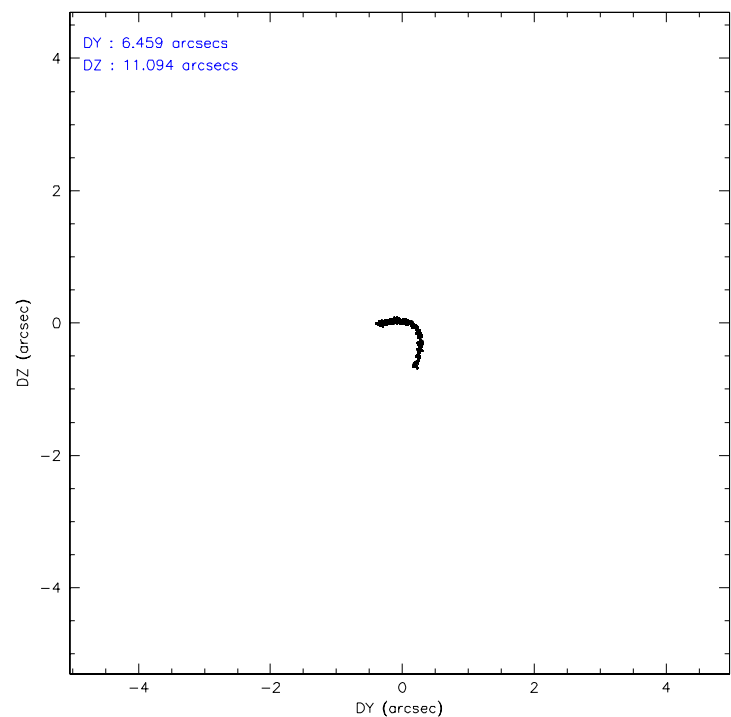
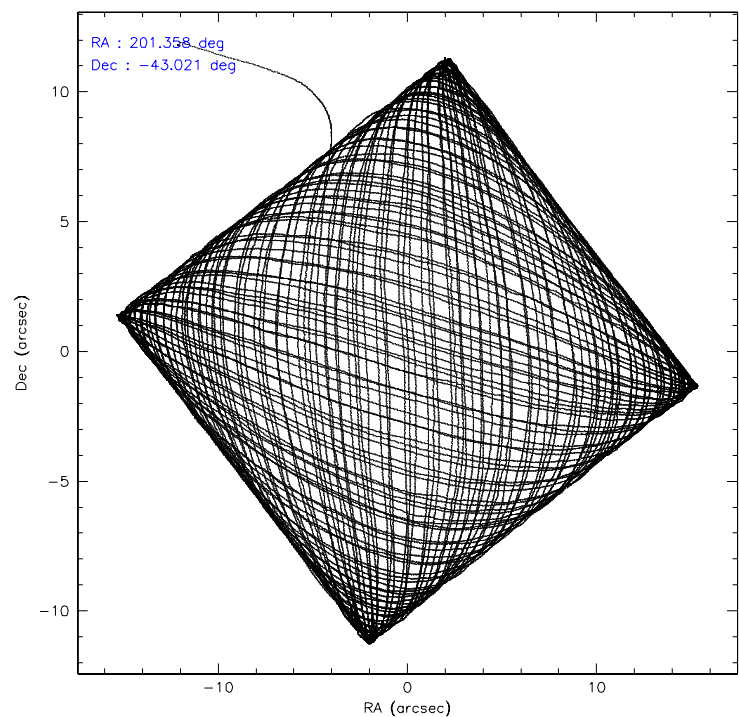
	ccd 3	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	323022	348910	550202	416000	326704
rejected events	283693	295493	278621	327745	284958
rejected %	87%	84%	50%	78%	87%

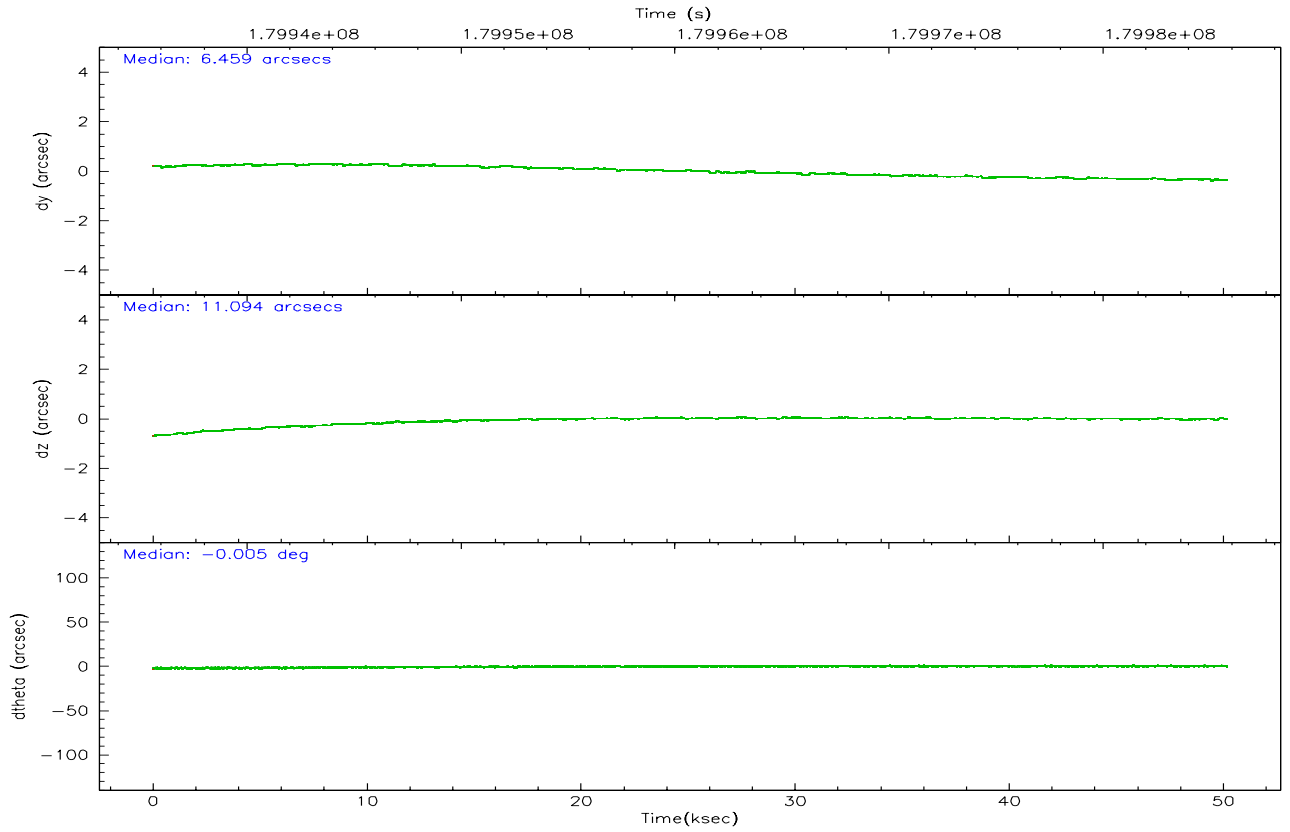
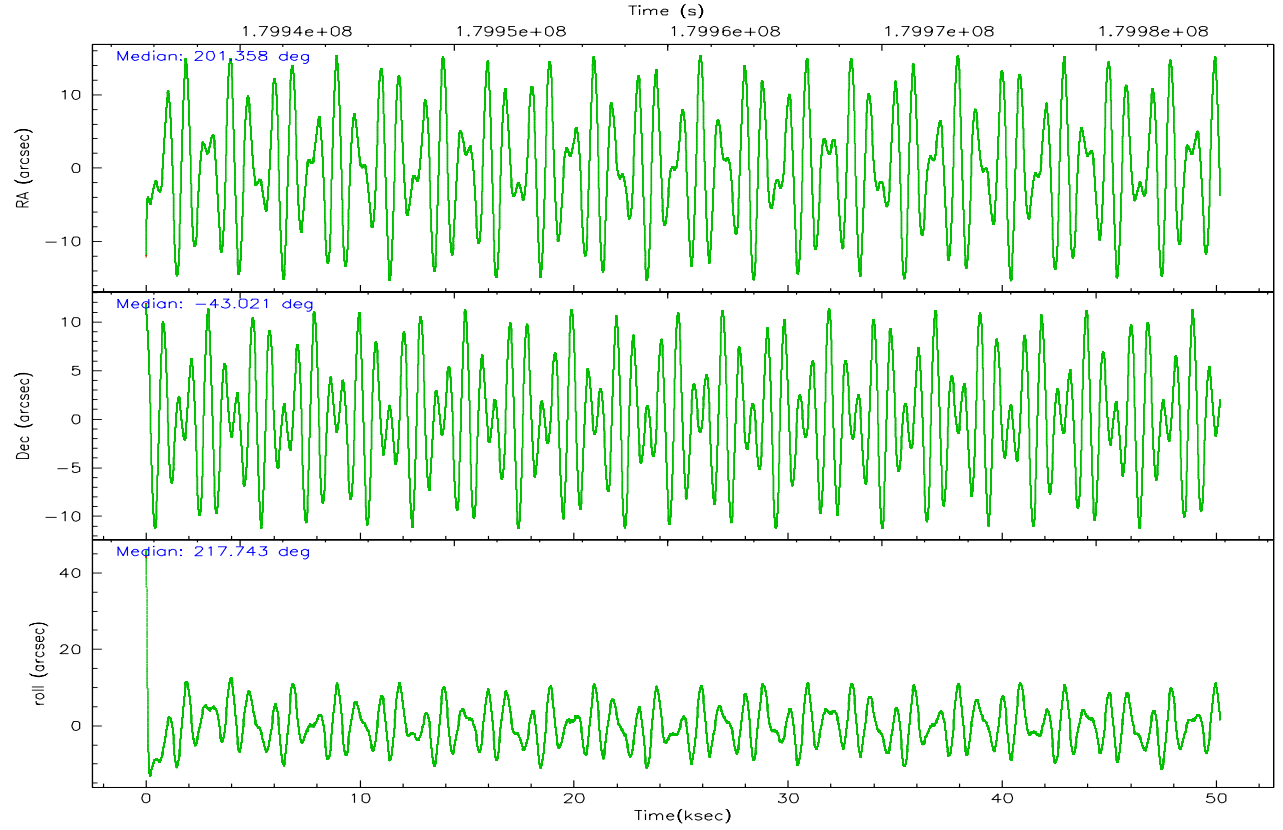
	ccd 3	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	18507	28496	37362	31082	19051
	5%	8%	6%	7%	5%
grade 1 events	200	207	591	297	196
	0%	0%	0%	0%	0%
grade 2 events	7402	9205	71232	18663	7897
	2%	2%	12%	4%	2%
grade 3 events	3760	4265	19924	9374	4086
	1%	1%	3%	2%	1%
grade 4 events	3851	4118	19531	8708	3882
	1%	1%	3%	2%	1%
grade 5 events	14068	15130	30980	19300	15884
	4%	4%	5%	4%	4%
grade 6 events	6553	8292	127045	22036	7665
	2%	2%	23%	5%	2%
grade 7 events	268681	279197	243537	306540	268043
	83%	80%	44%	73%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-36789	ACIS-36789	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	201.371493	201.35789003531	Alternating exposures requested	N	N
Pointing Dec	-42.995736	-43.02106084463989	Primary exposure time	0.000000	3.1
Pointing Roll	217.604721	217.7520890914377			
Roll angle	217.000000	217.000000			
Roll tolerance	10.000000	10.000000			
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	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	179935798.184000	179934308.75574			
Observation start date	2003-09-14T14:08:54	2003-09-14T13:45:08			
Observation end time	179985798.184000	179986775.43299			
Observation end date	2003-09-15T04:02:14	2003-09-15T04:19:35			
Read mode	TIMED	TIMED			

2.3 Aspect



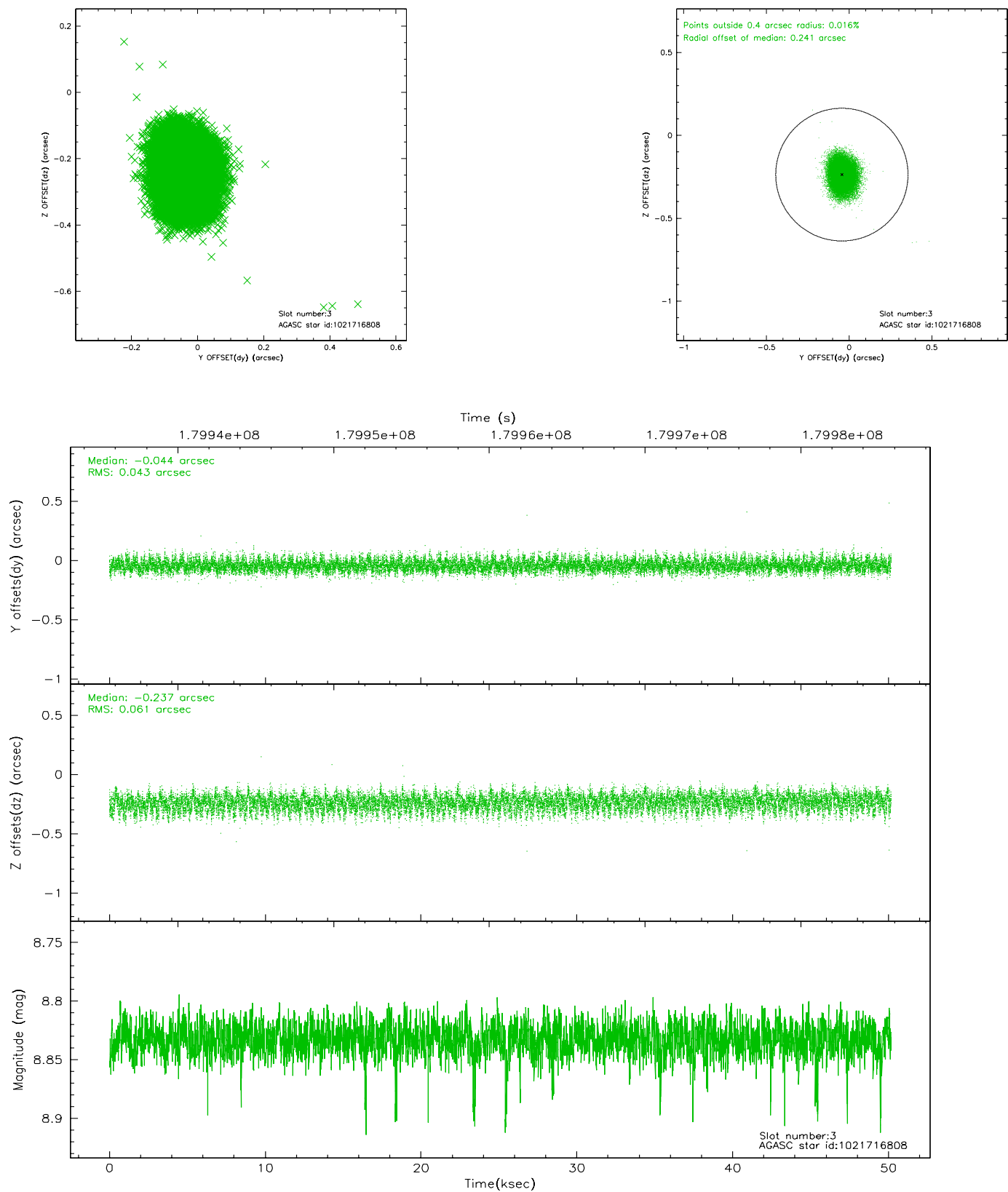


Slot Statistics

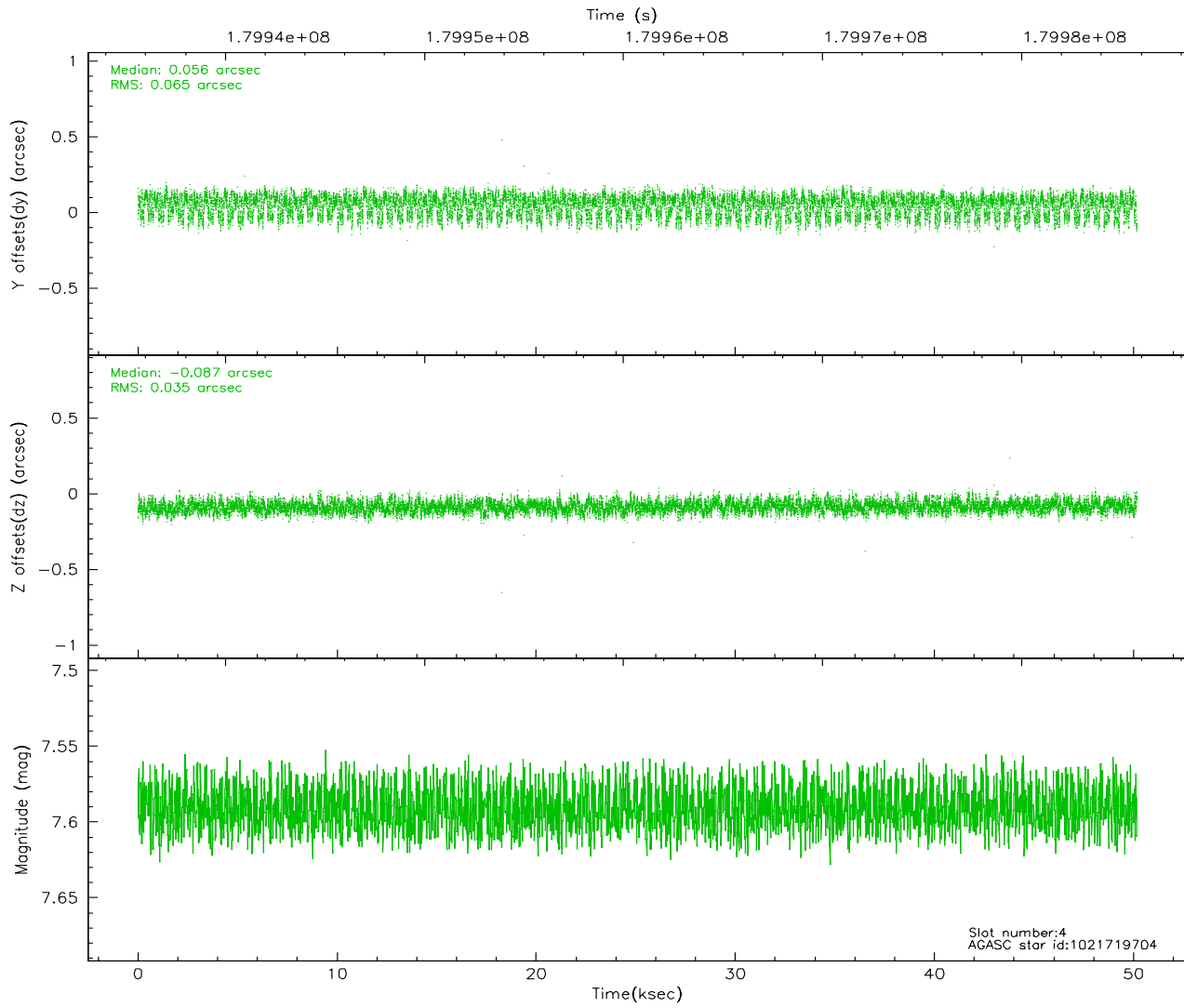
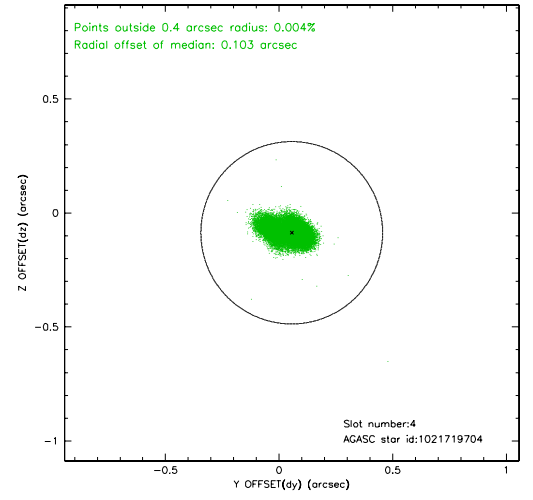
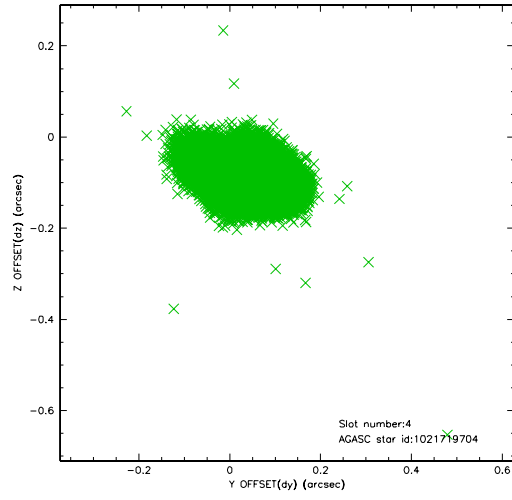
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	12240	-0.013	-0.040	0.009	0.018	0.000000	0.000000	936.82	-1727.96
1	FID	ACIS-S-4	7.20	12239	0.003	0.038	0.007	0.016	0.000000	0.000000	2154.24	176.29
2	FID	ACIS-S-5	7.23	12239	-0.017	0.014	0.008	0.014	0.000000	0.000000	-1812.07	169.85
3	GUIDE	1021716808	8.83	24430	-0.044	-0.237	0.080	0.129	200.901189	-42.531395	-28.78	-2083.06
4	GUIDE	1021719704	7.59	24477	0.056	-0.087	0.078	0.131	200.511976	-43.050426	1919.09	-1214.36
5	GUIDE	1021721504	9.56	24455	0.052	-0.041	0.092	0.151	201.182768	-43.000443	404.83	-289.28
6	GUIDE	1021721672	9.55	24462	-0.141	-0.043	0.077	0.127	201.740358	-43.079729	-582.48	833.04
7	GUIDE	1022235840	9.45	24462	0.086	0.412	0.110	0.173	201.679306	-43.544276	569.65	2056.41

2.4 Star Slots

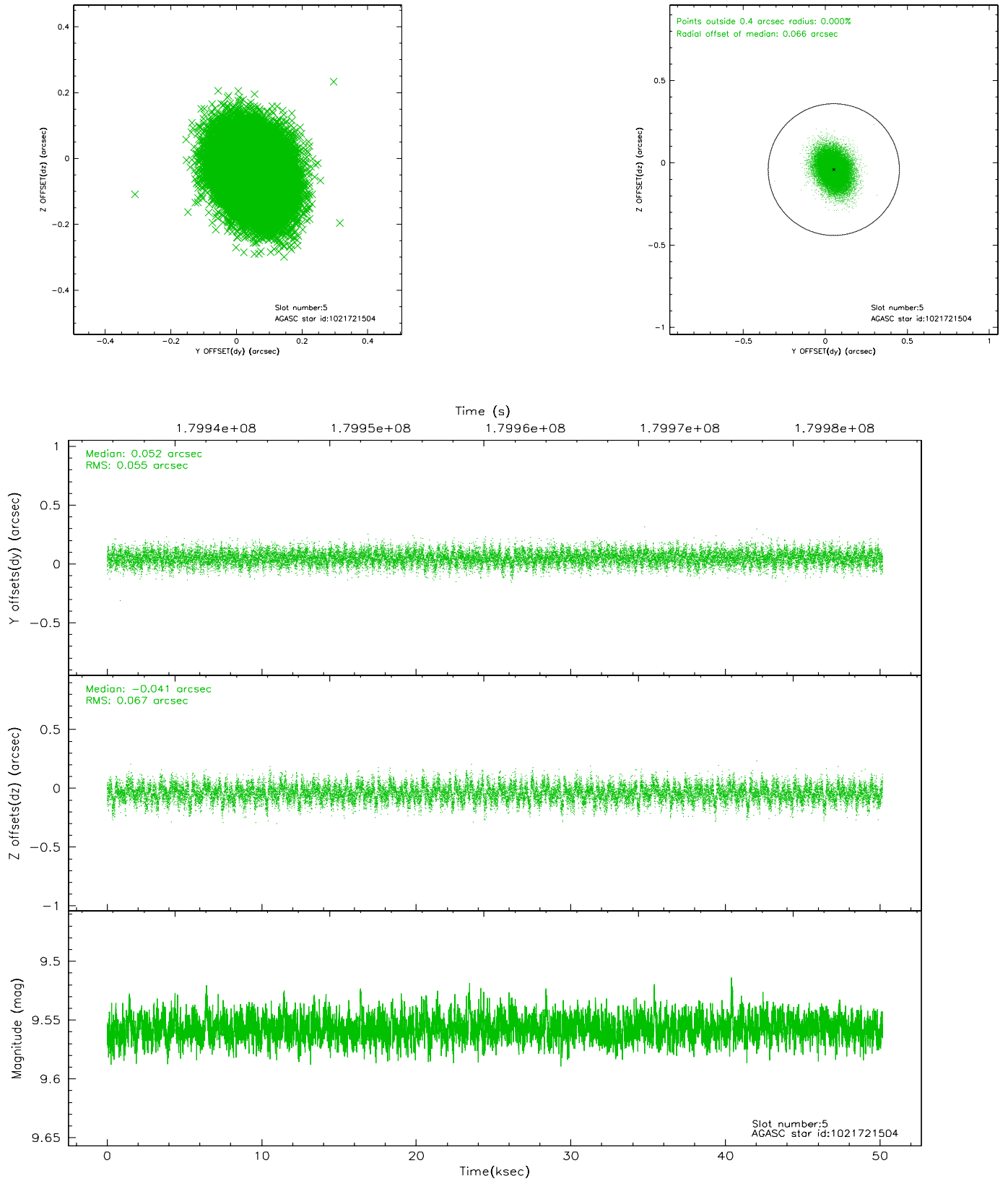
2.4.1 Slot 3



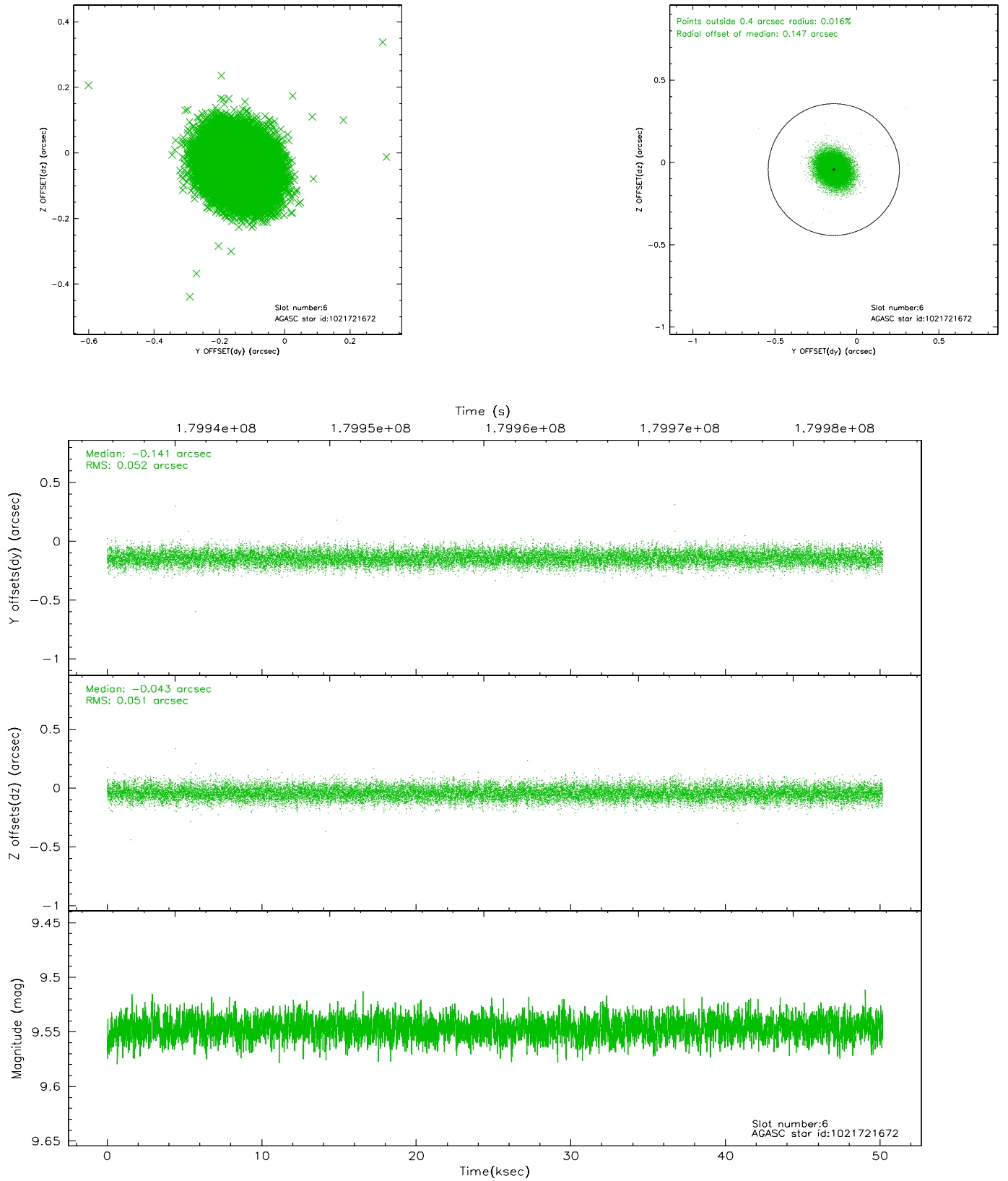
2.4.2 Slot 4



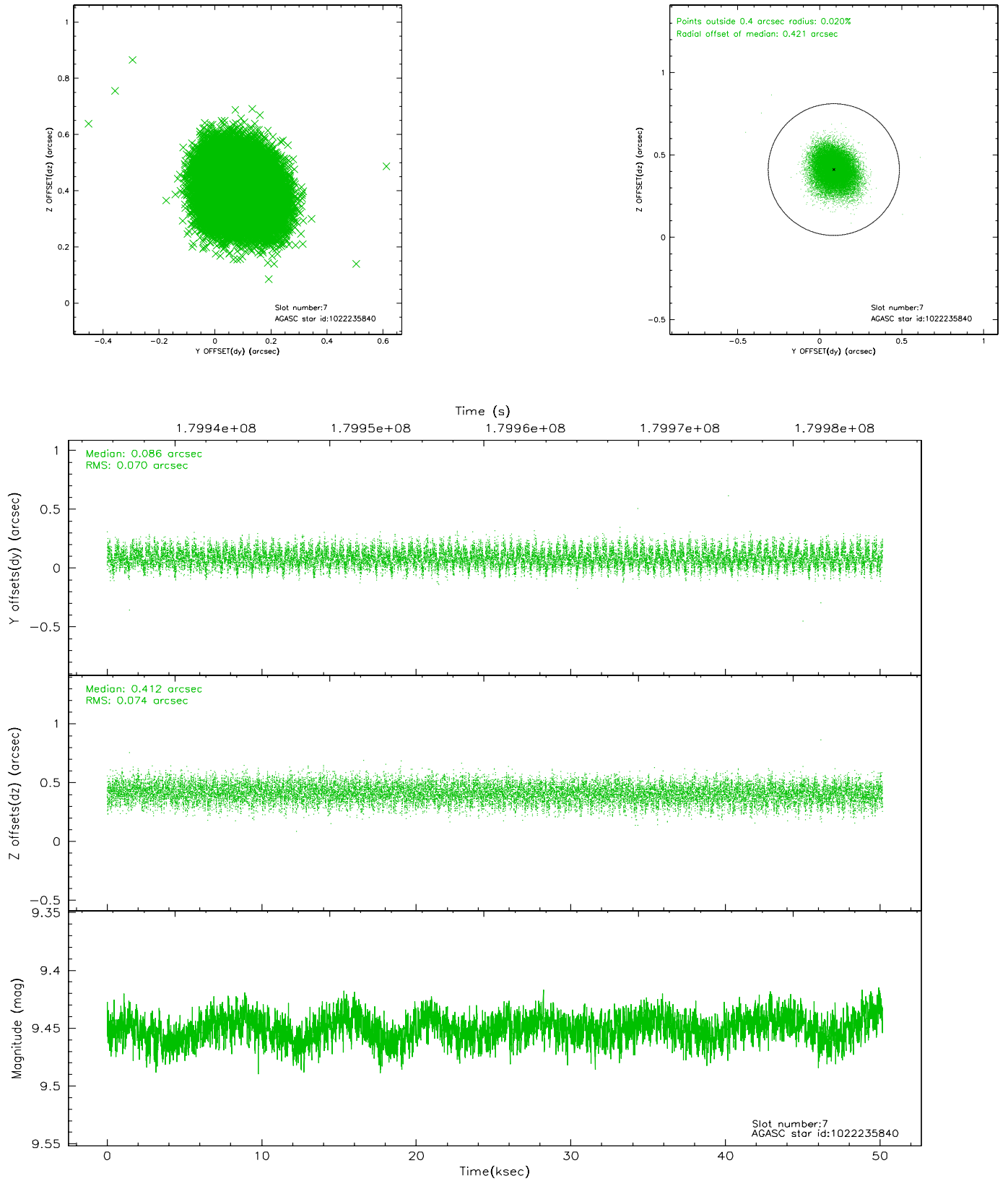
2.4.3 Slot 5



2.4.4 Slot 6

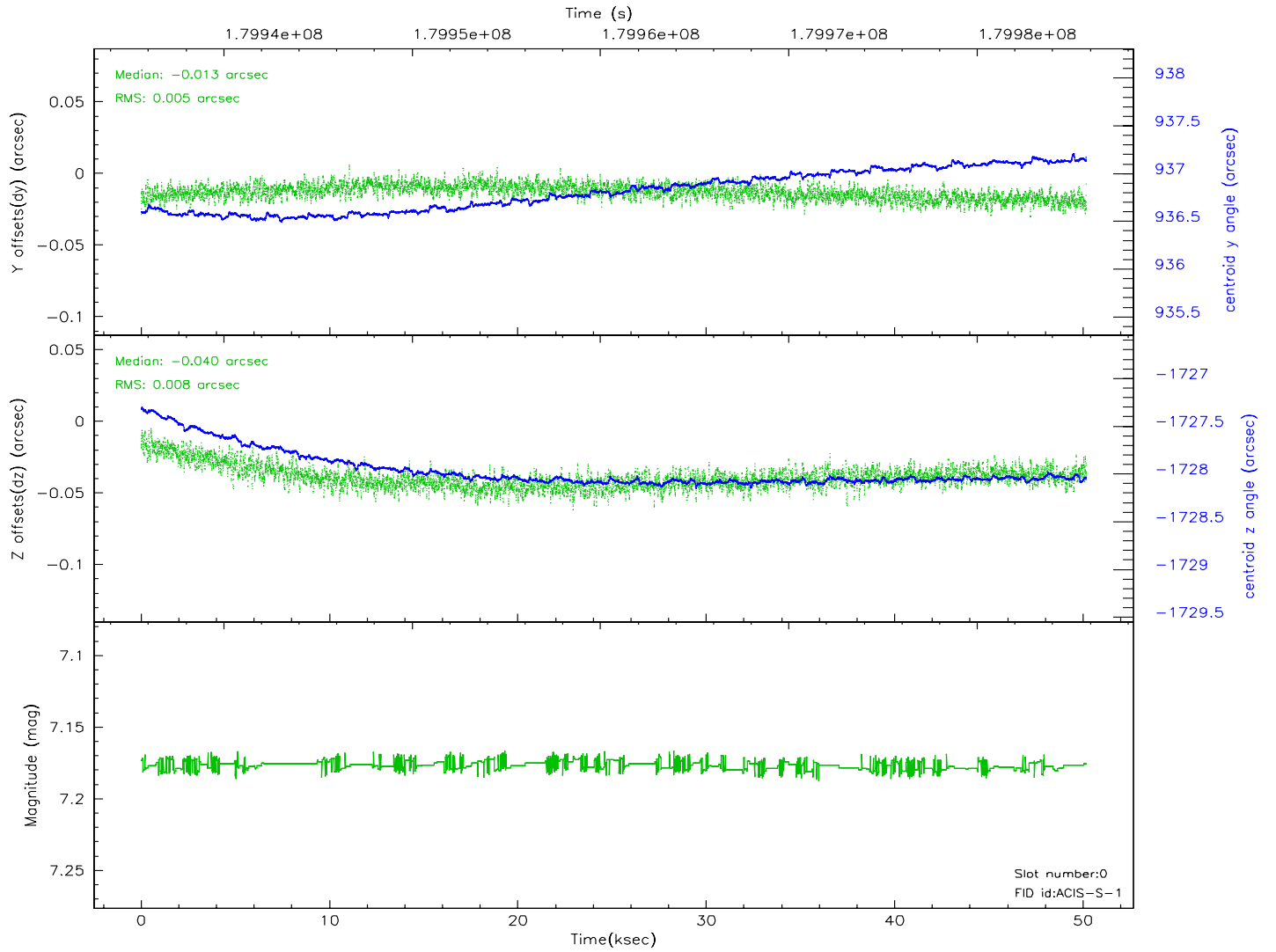
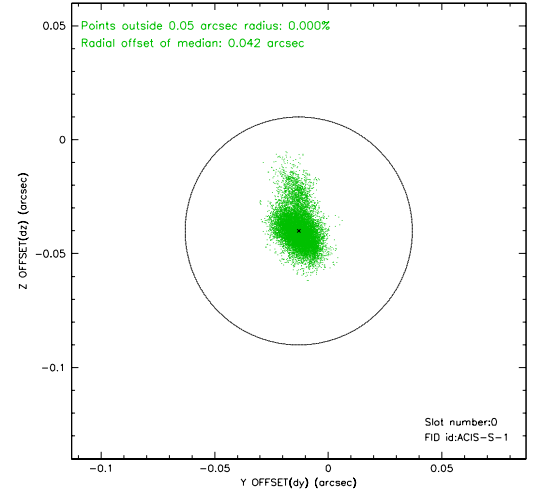
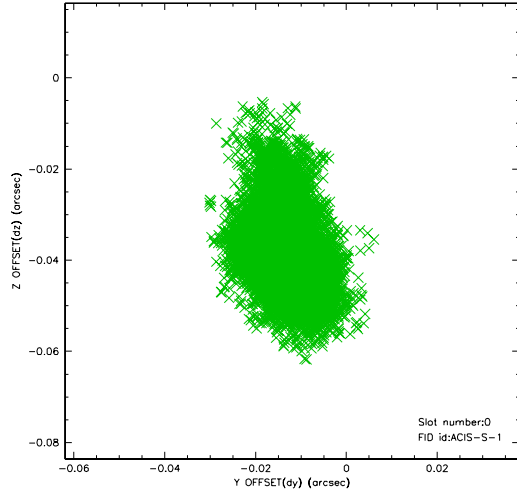


2.4.5 Slot 7

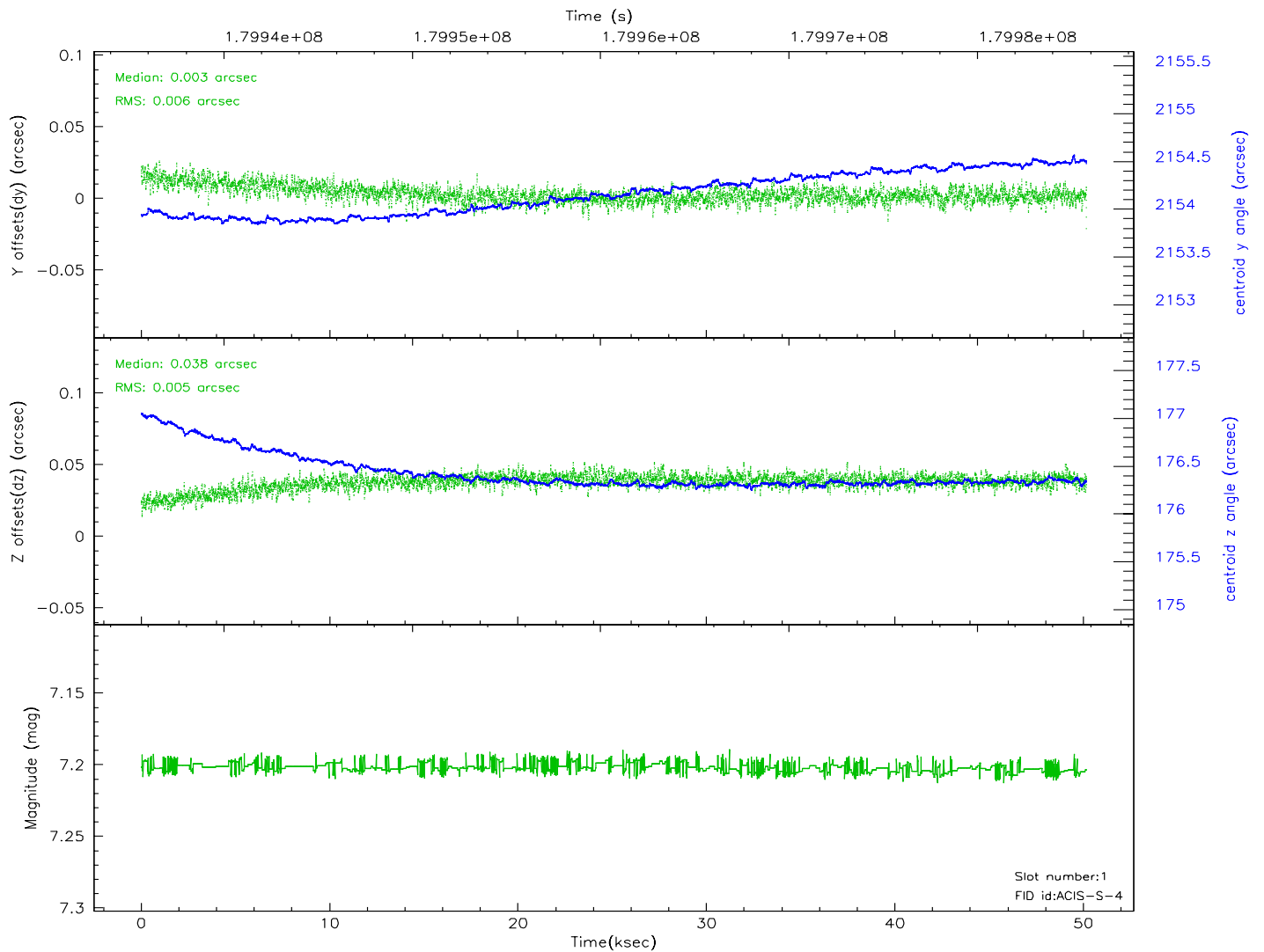
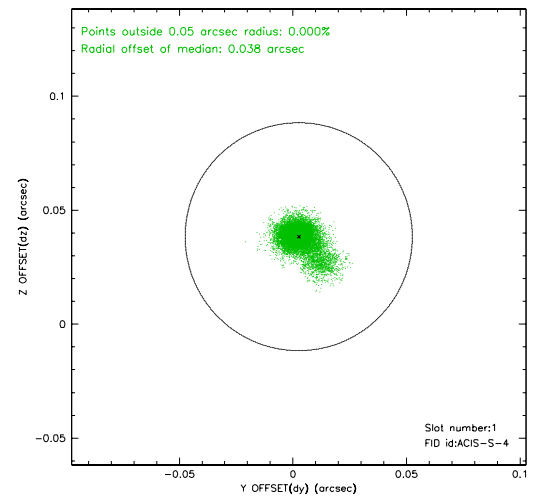
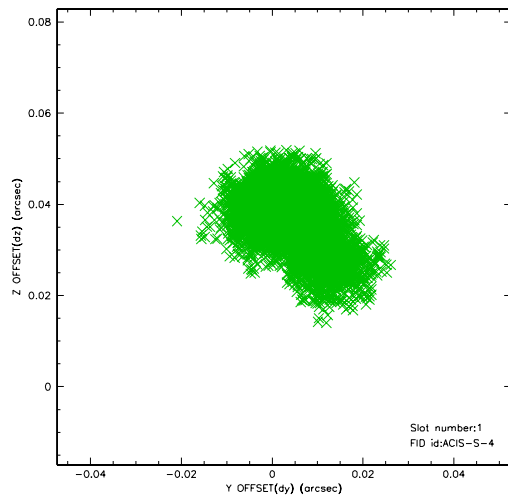


2.5 FID Slots

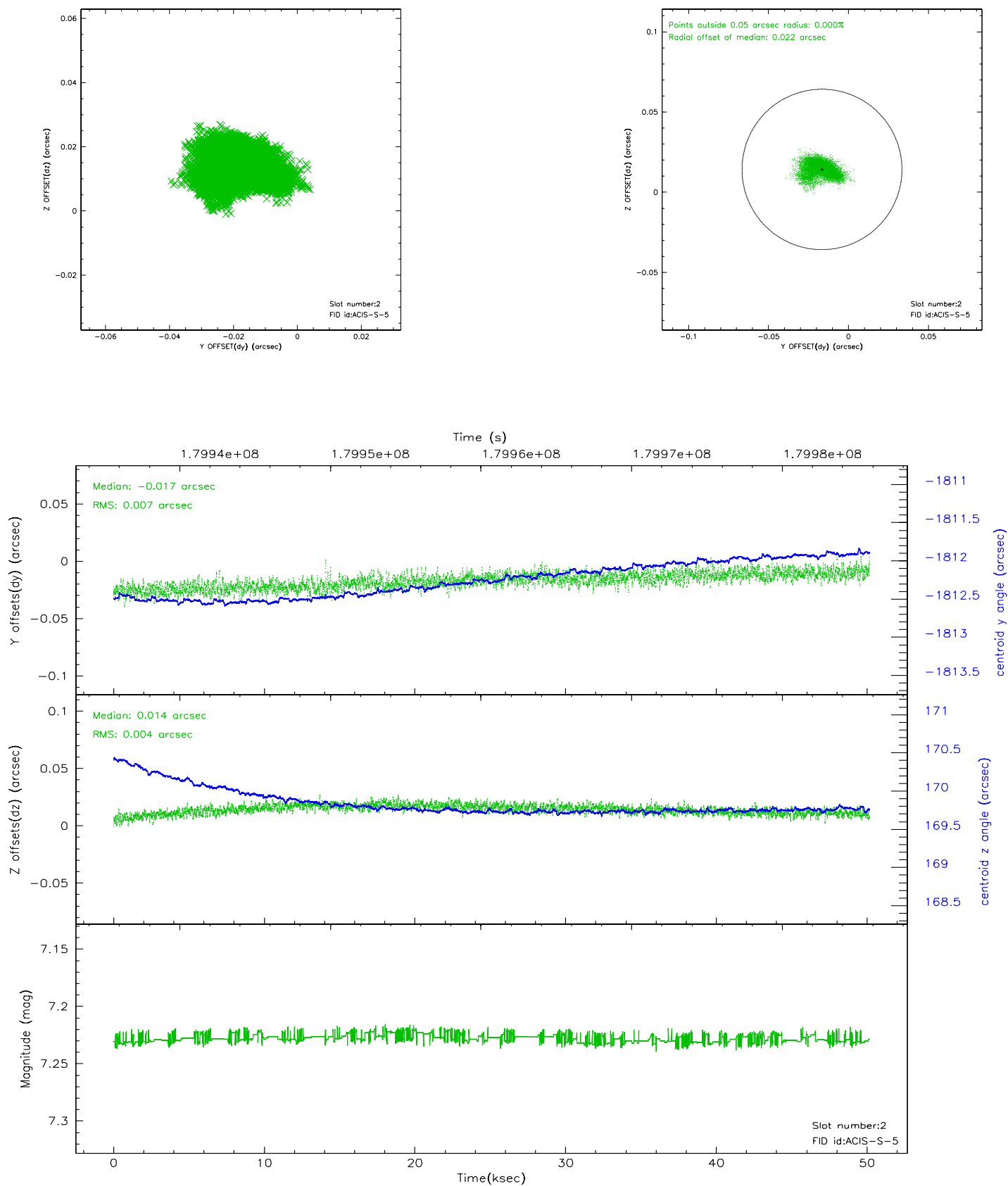
2.5.1 Slot 0



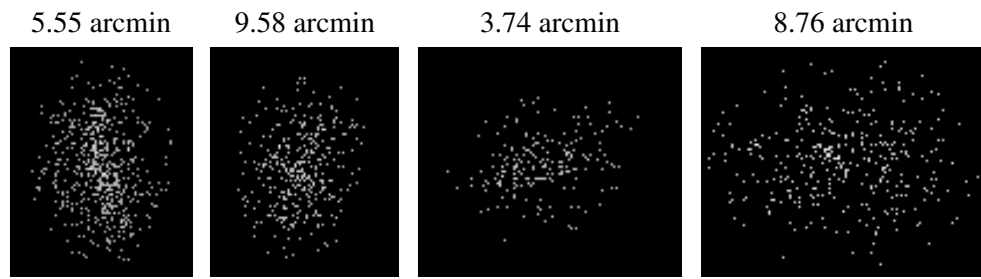
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.173

A.2 Comments

Roll constraint satisfied.