

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3937 - L2 Version 001
Chandra X-Ray Center

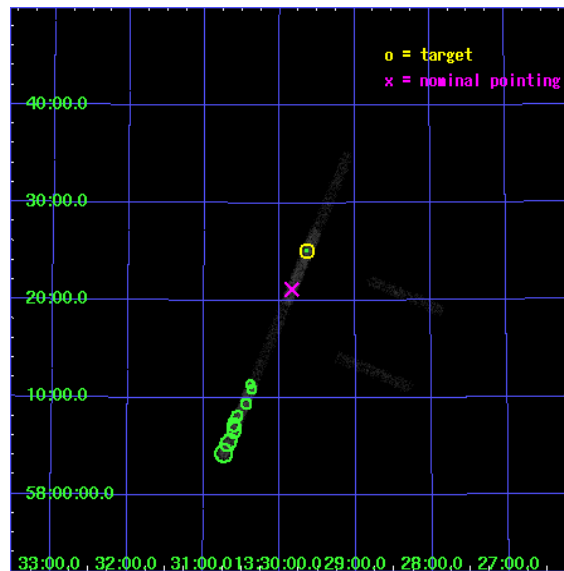
L2 Processing Date : Jul 11 2006

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

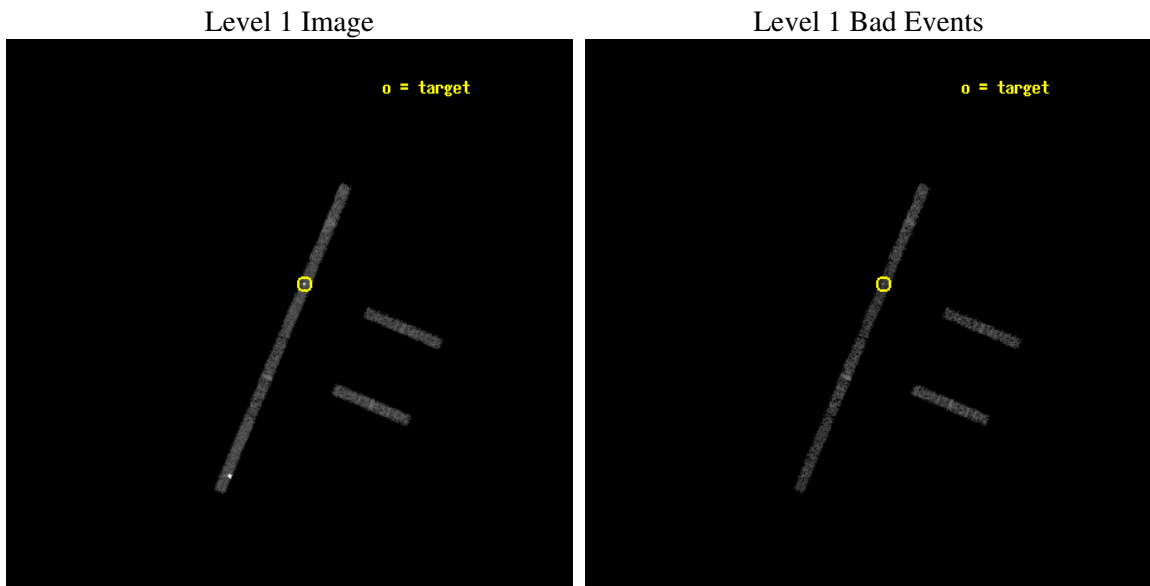
seq_num	600311
obs_id	3937
title	PROBING THE SPECTRAL VARIABILITY OF THE ULTRALUMINOUS X-RAY SOURCE NGC 5204 X-1
observer	Dr Timothy Roberts
object	NGC 5204 X-1
dtcycle	0
cycle	P
ra_targ	202.410833
dec_targ	58.418333
ra_nom	202.46000082079
dec_nom	58.352464294562
roll_nom	292.83861635391
revision	2
ontime	4906.2999164462
livetime	4634.5810502973
ontime2	4906.2999164462
ontime3	4906.2999164462
ontime5	4906.2999164462
ontime6	4906.2999164462
ontime7	4906.2999164462
ontime8	4906.2999164462
l2events	9074



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 2

Chip 3

Chip 5



Chip 6

Chip 7

Chip 8



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-11T07:15:50
revision	2

sched_exp_time	4773.253000
ontime	6701.8878865838
ontime2	6701.8878865838
ontime3	6702.6288966537
ontime5	6701.8878865838
ontime6	6702.6288966537
ontime7	6701.8878865838
ontime8	6702.6288966537
l1events	59555

2.1.4 Events

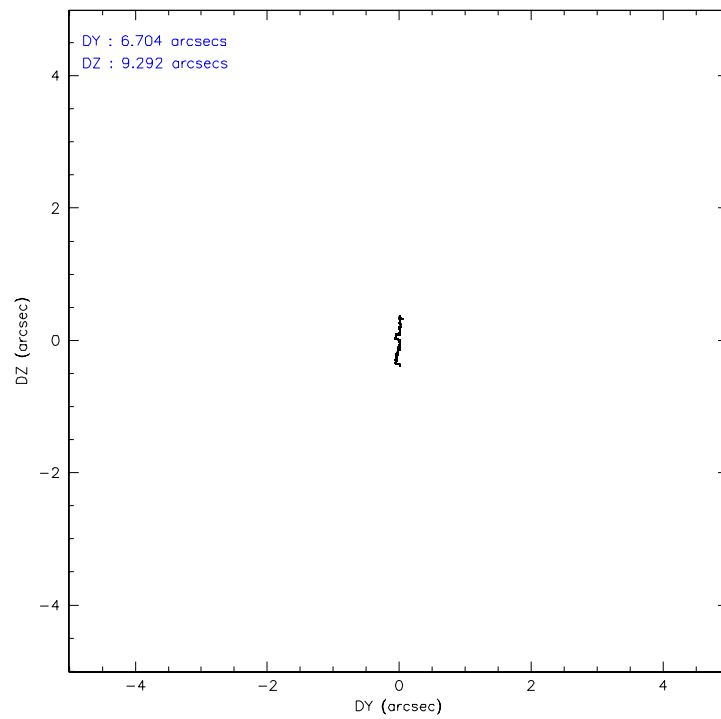
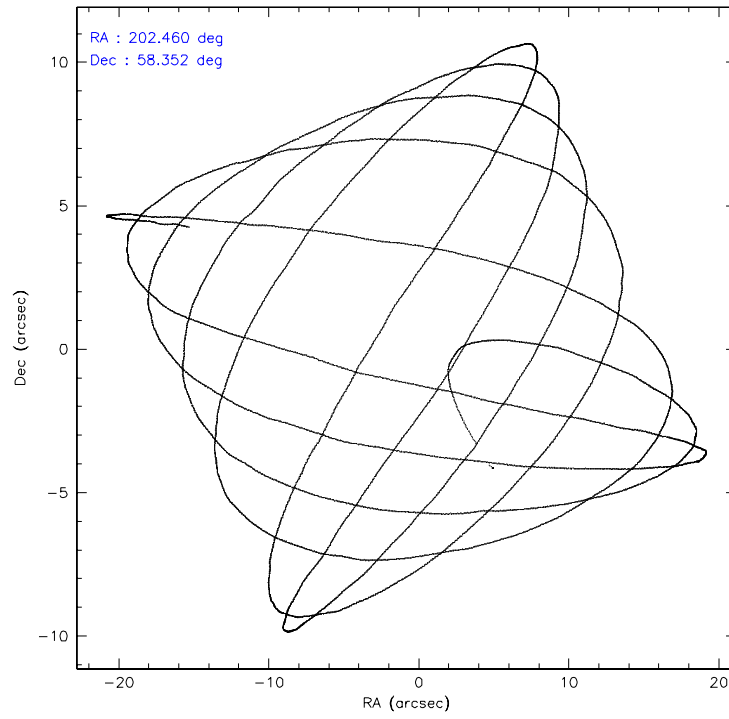
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	8333	7021	17367	7441	10288	9105
rejected events	7654	6441	8123	6807	5756	7711
rejected %	91%	91%	46%	91%	55%	84%

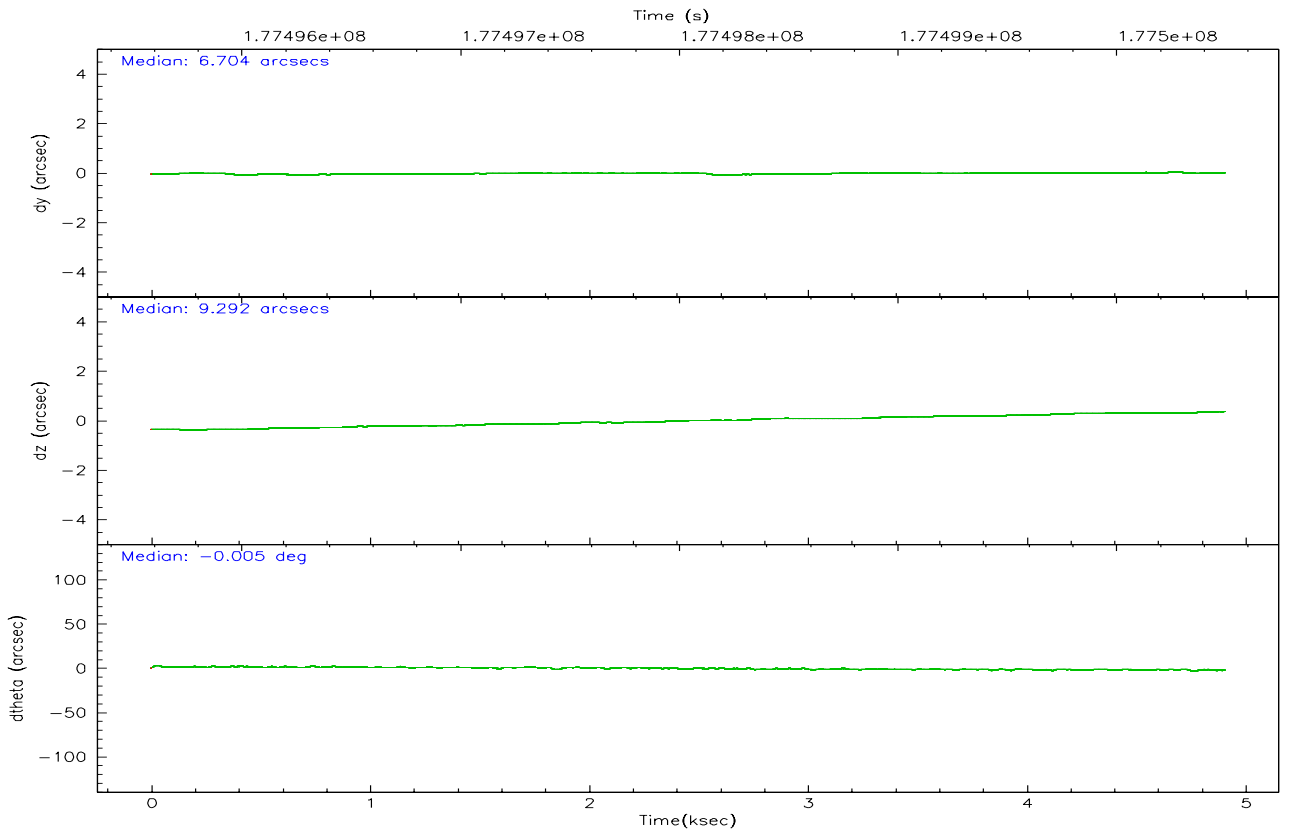
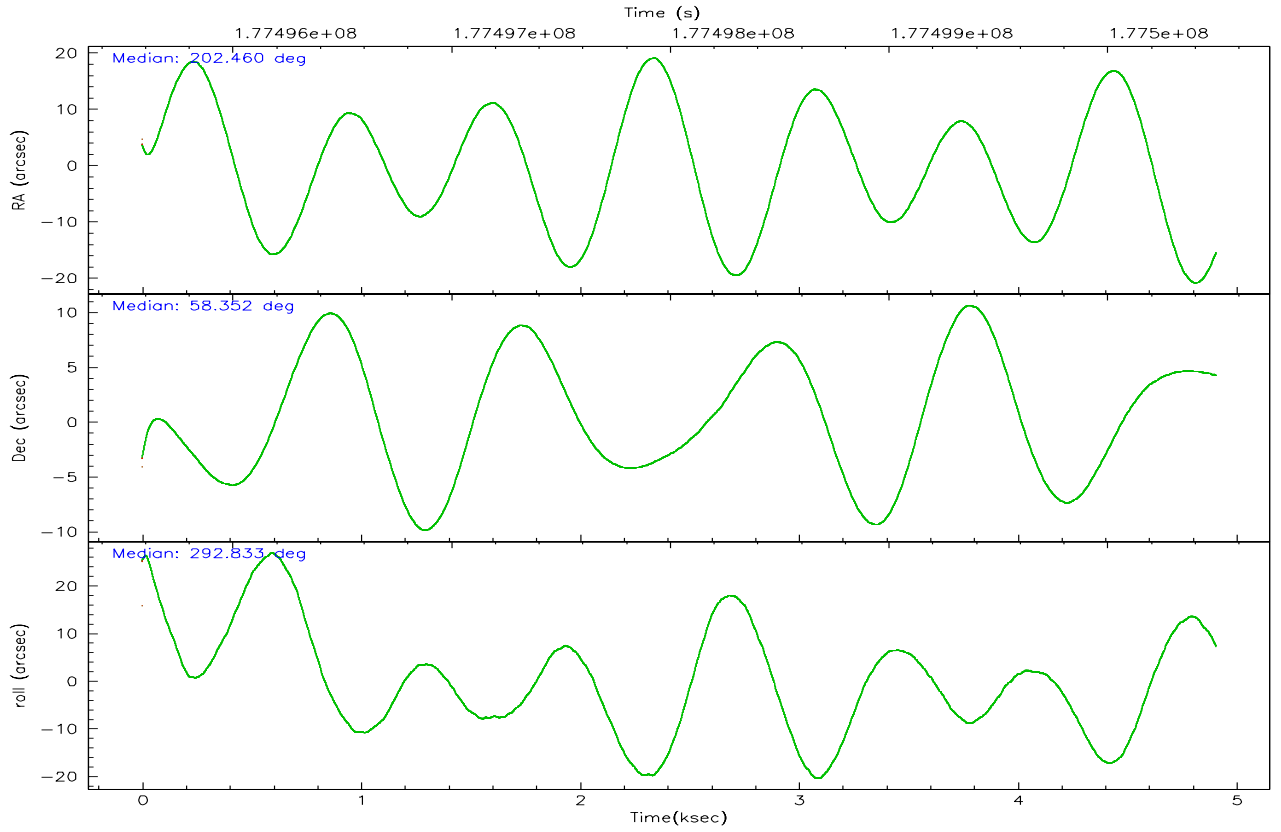
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	325	278	7391	276	1051	517
	3%	3%	42%	3%	10%	5%
grade 1 events	1	4	16	1	23	2
	0%	0%	0%	0%	0%	0%
grade 2 events	169	144	2492	157	1350	343
	2%	2%	14%	2%	13%	3%
grade 3 events	147	138	171	130	523	202
	1%	1%	0%	1%	5%	2%
grade 4 events	135	109	489	151	542	206
	1%	1%	2%	2%	5%	2%
grade 5 events	228	241	449	220	605	311
	2%	3%	2%	2%	5%	3%
grade 6 events	133	116	2123	138	1986	548
	1%	1%	12%	1%	19%	6%
grade 7 events	7195	5991	4236	6368	4208	6976
	86%	85%	24%	85%	40%	76%

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	1/8	1/8
Pointing RA	202.418144	202.460008207868	Subarray start row	0	449
Pointing Dec	58.368613	58.35246429456154	Subarray row count	1024	128
Pointing Roll	292.717612	292.8386163539129	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.7
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	177495715.184000	177493787.23875			
Observation start date	2003-08-17T08:20:51	2003-08-17T07:49:47			
Observation end time	177500488.184000	177500802.85155			
Observation end date	2003-08-17T09:40:24	2003-08-17T09:46:42			
Read mode	TIMED	TIMED			

2.3 Aspect



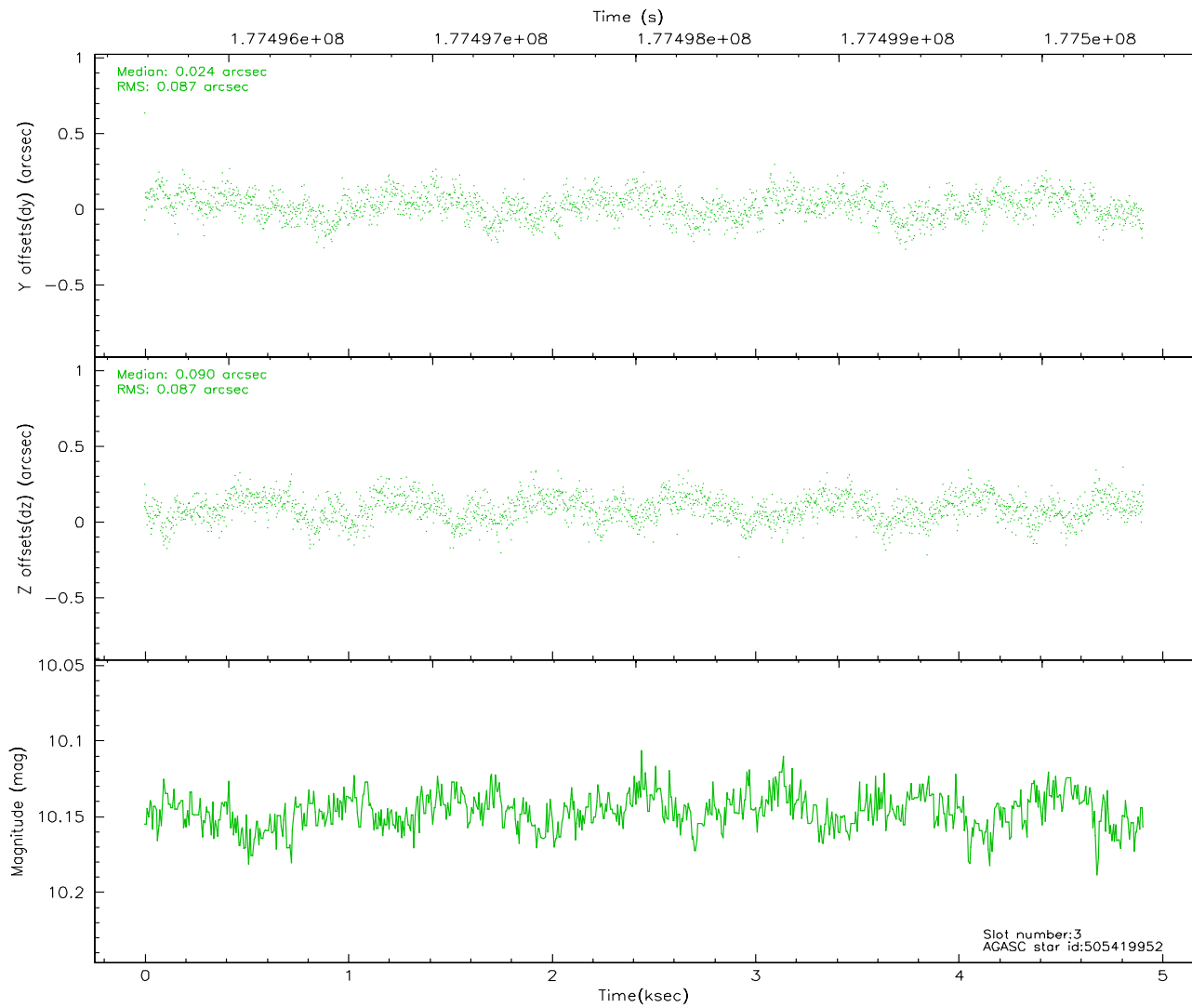
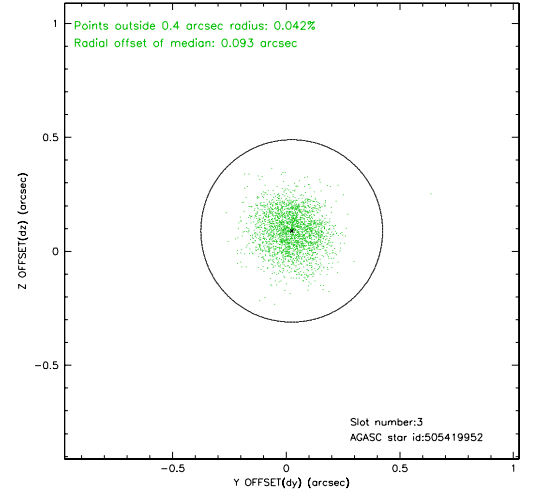
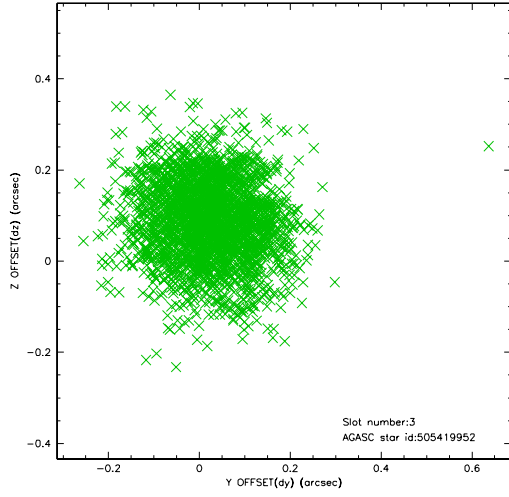


Slot Statistics

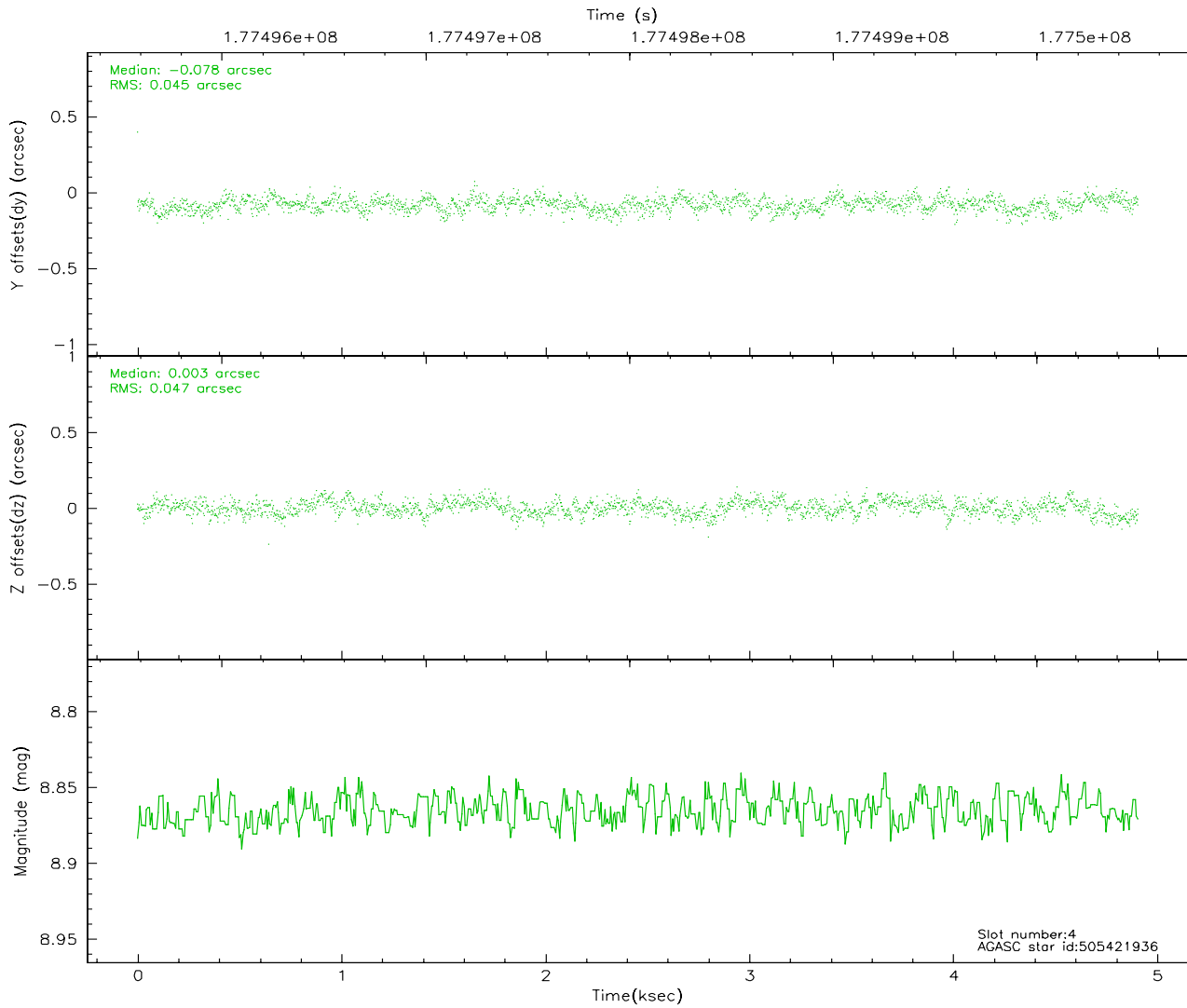
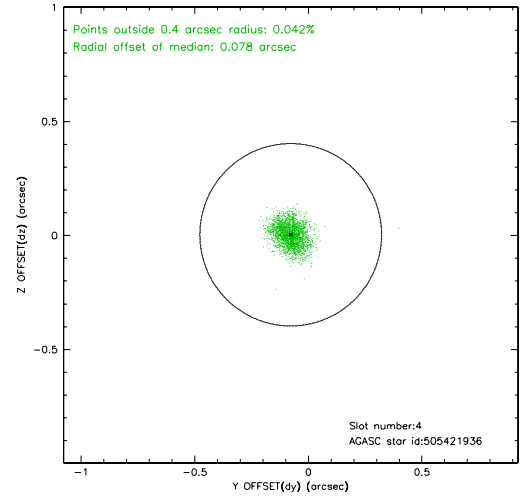
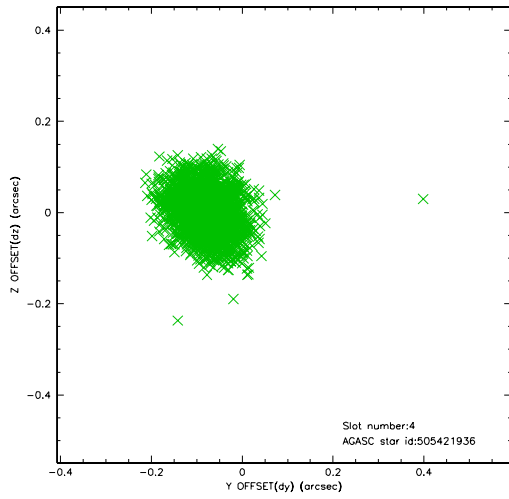
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-4	7.20	1198	0.024	0.015	0.007	0.011	0.000000	0.000000	2153.93	178.22
1	FID	ACIS-S-5	7.23	1197	-0.030	0.018	0.006	0.010	0.000000	0.000000	-1810.71	171.82
2	FID	ACIS-S-6	7.34	1198	-0.024	-0.018	0.009	0.017	0.000000	0.000000	400.80	815.53
3	GUIDE	505419952	10.15	2393	0.024	0.090	0.131	0.210	201.880700	58.804366	-1837.44	-317.10
4	GUIDE	505421936	8.87	2394	-0.078	0.003	0.069	0.110	201.854843	57.887820	1175.69	-1661.04
5	GUIDE	505421968	8.19	2395	0.002	-0.051	0.059	0.096	202.022601	58.209270	238.21	-913.38
6	GUIDE	505422344	8.62	2394	0.059	0.125	0.060	0.097	202.767077	57.846963	1989.31	-107.93
7	GUIDE	505414952	10.01	2392	-0.004	-0.163	0.131	0.212	203.527988	58.651569	-151.84	2317.11

2.4 Star Slots

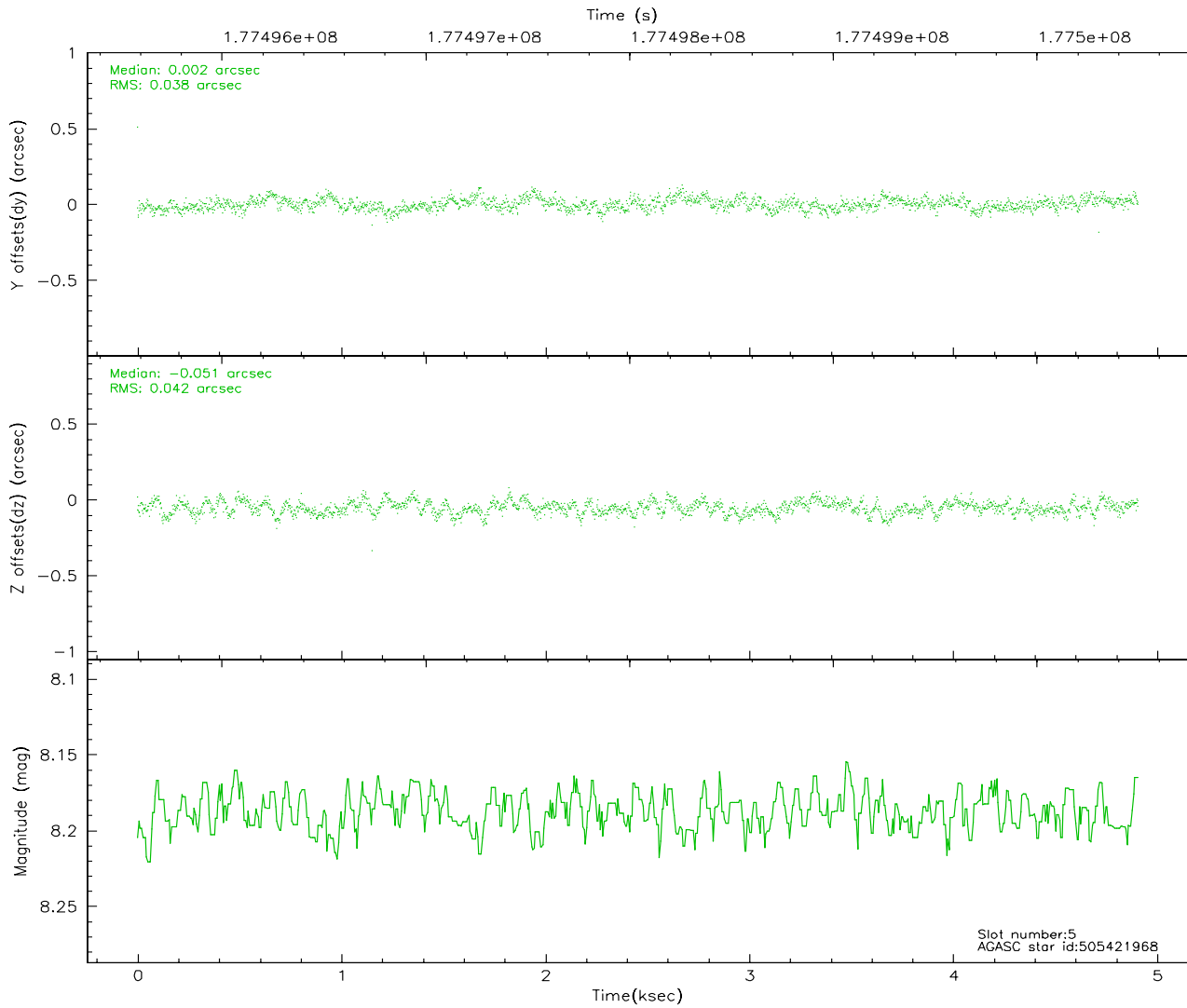
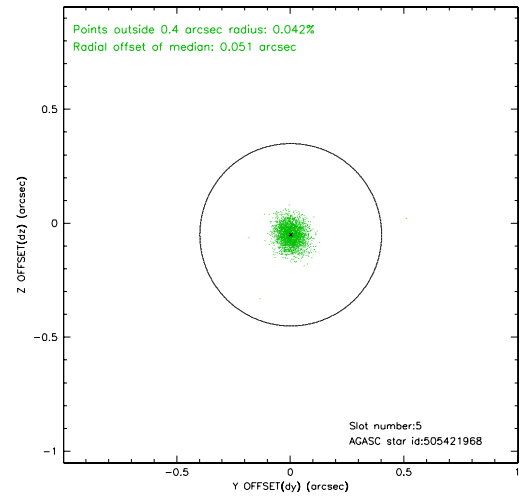
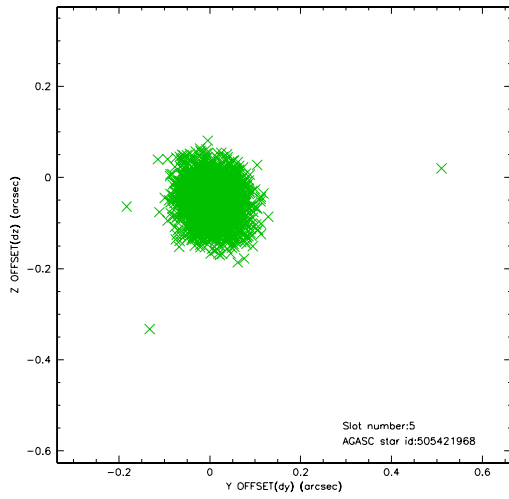
2.4.1 Slot 3



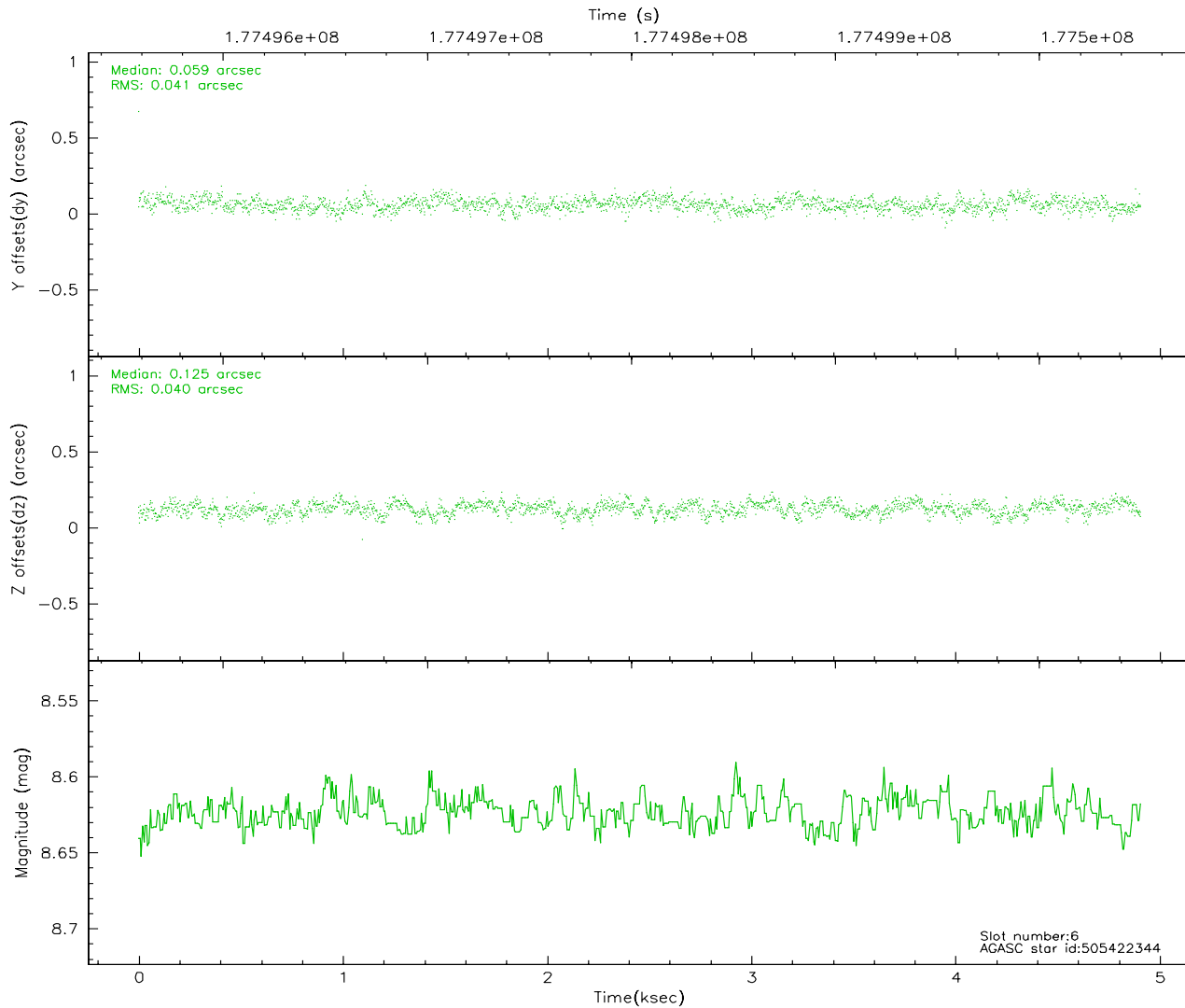
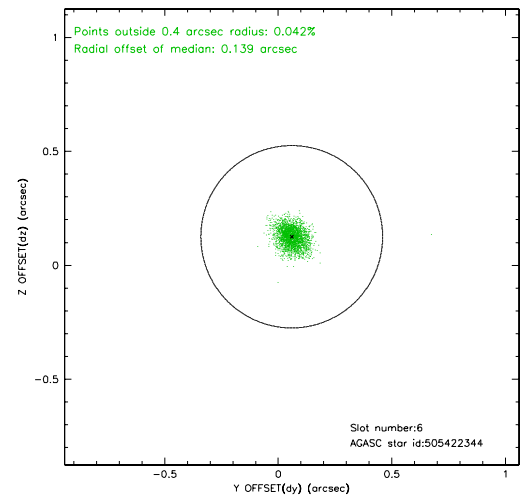
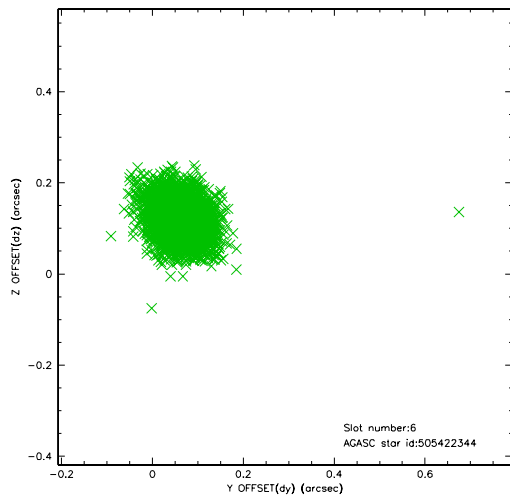
2.4.2 Slot 4



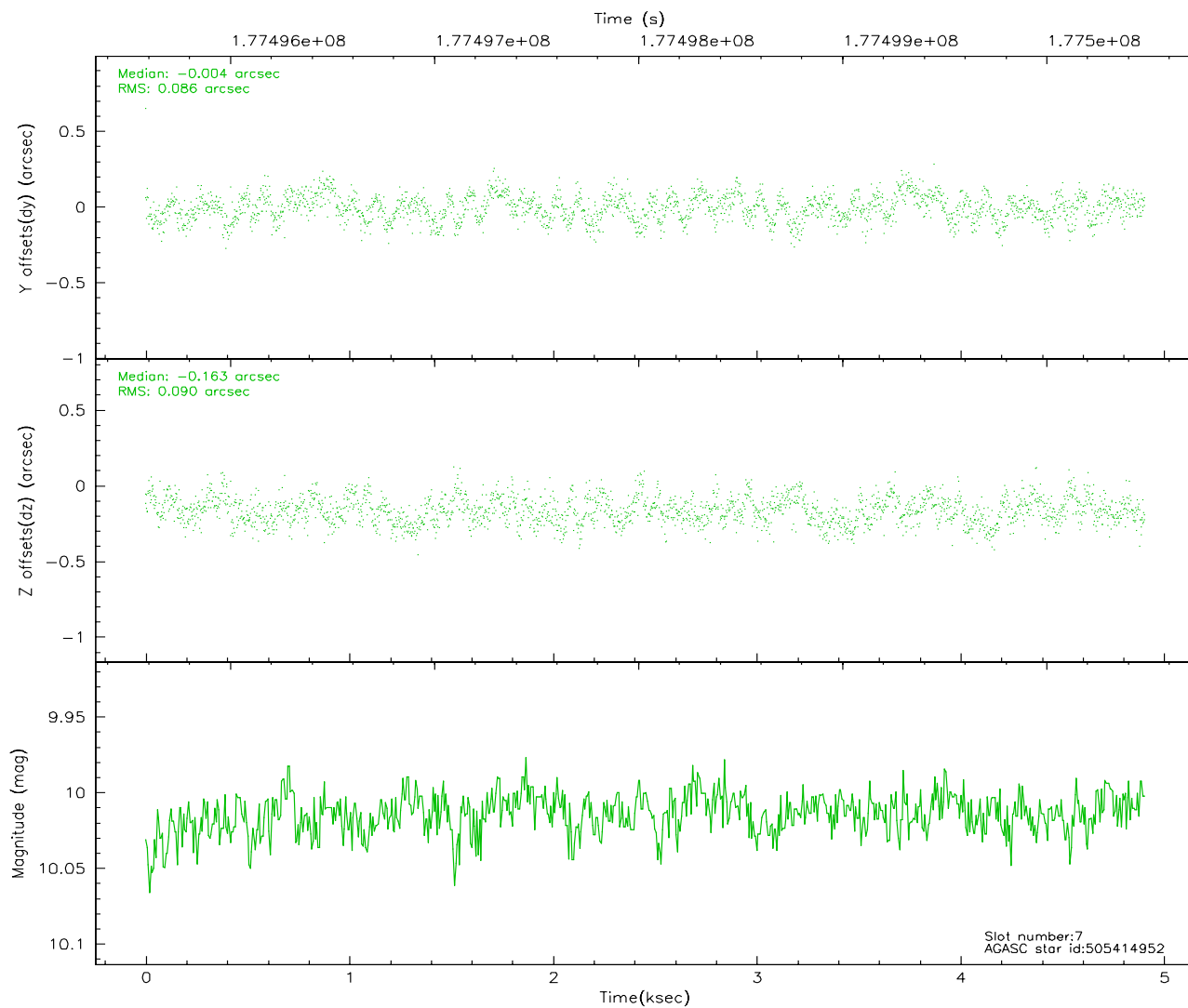
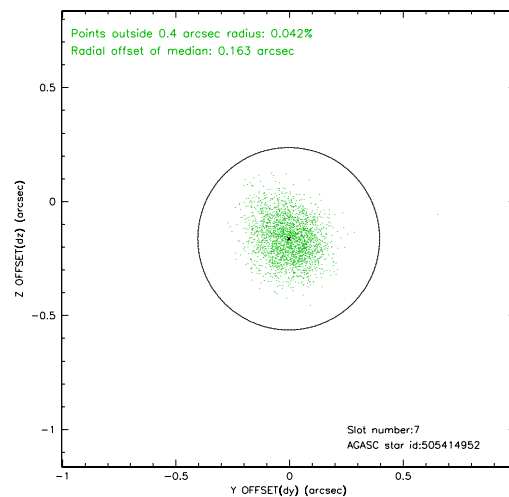
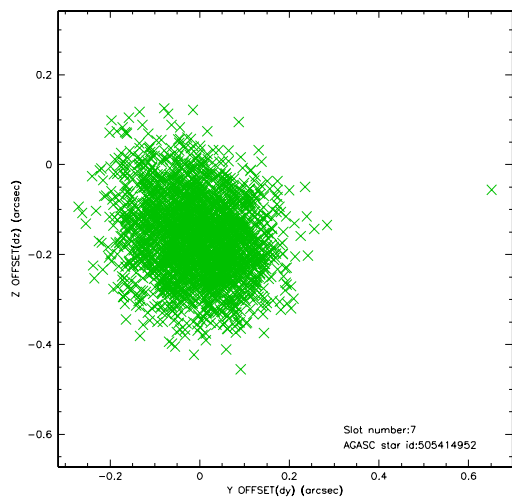
2.4.3 Slot 5



2.4.4 Slot 6

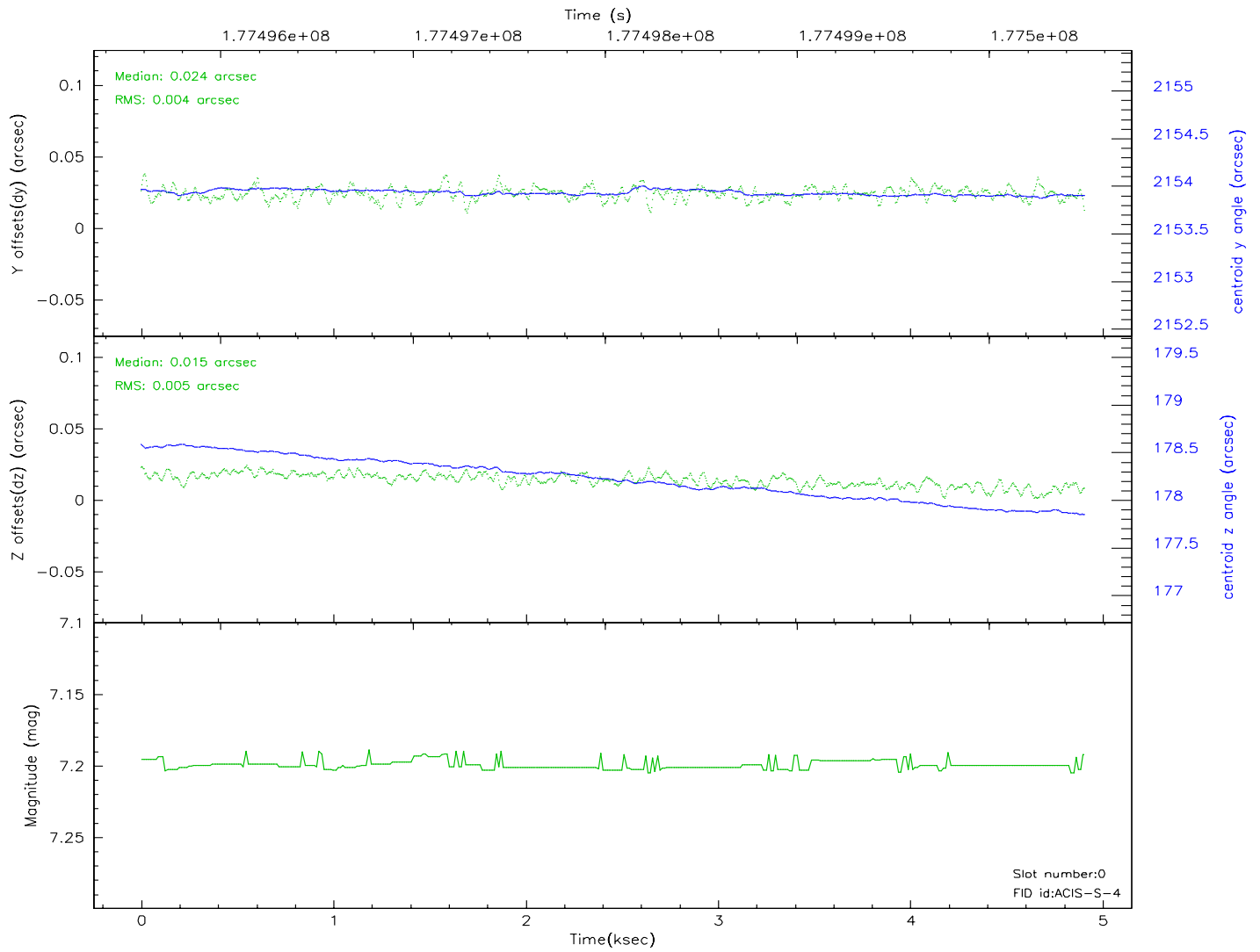
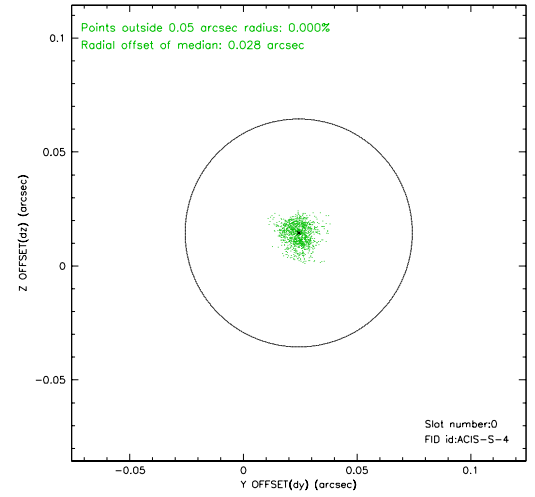
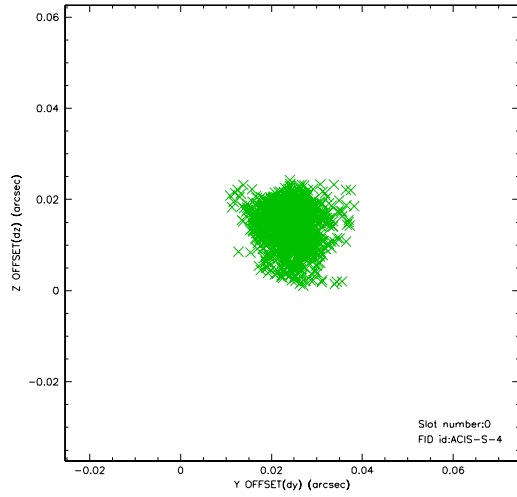


2.4.5 Slot 7

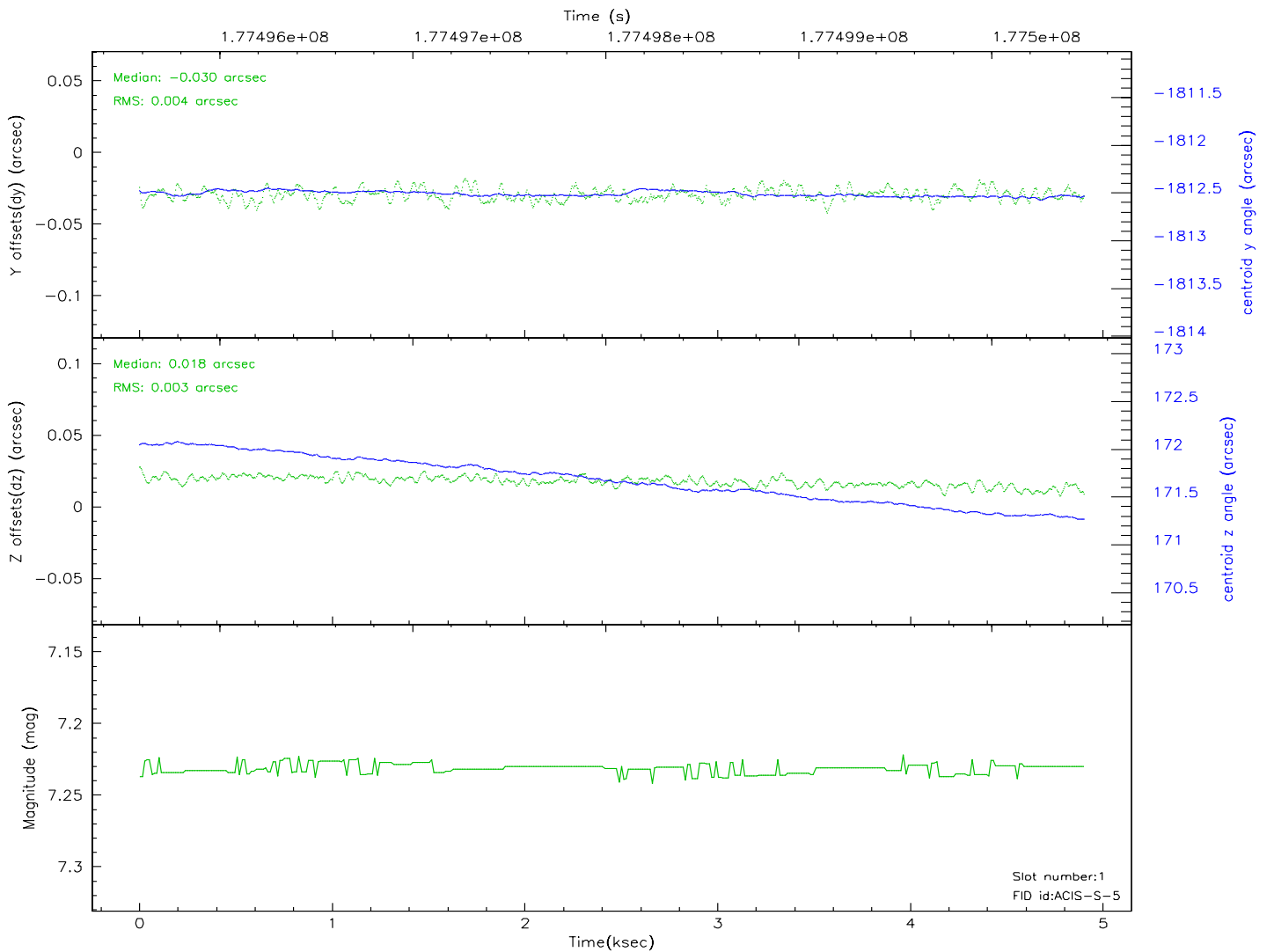
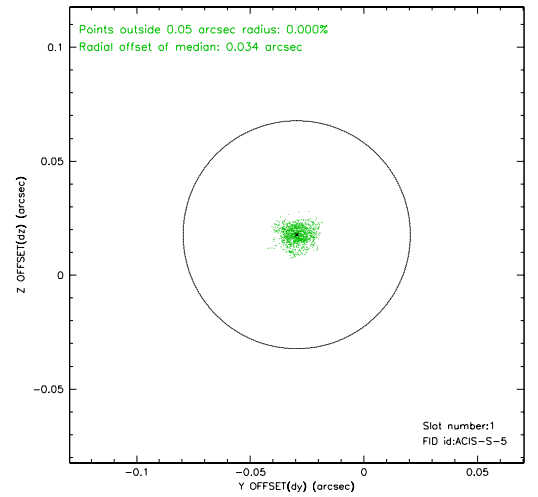
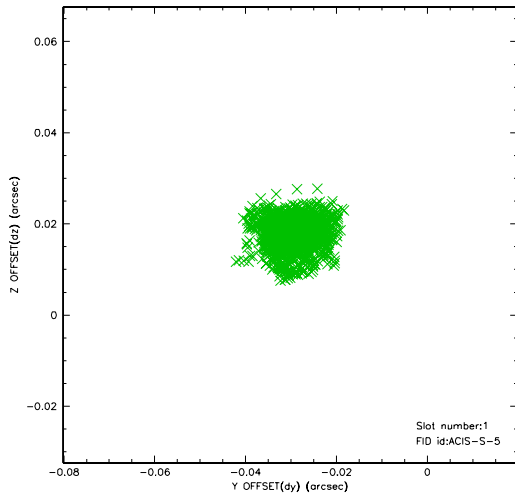


2.5 FID Slots

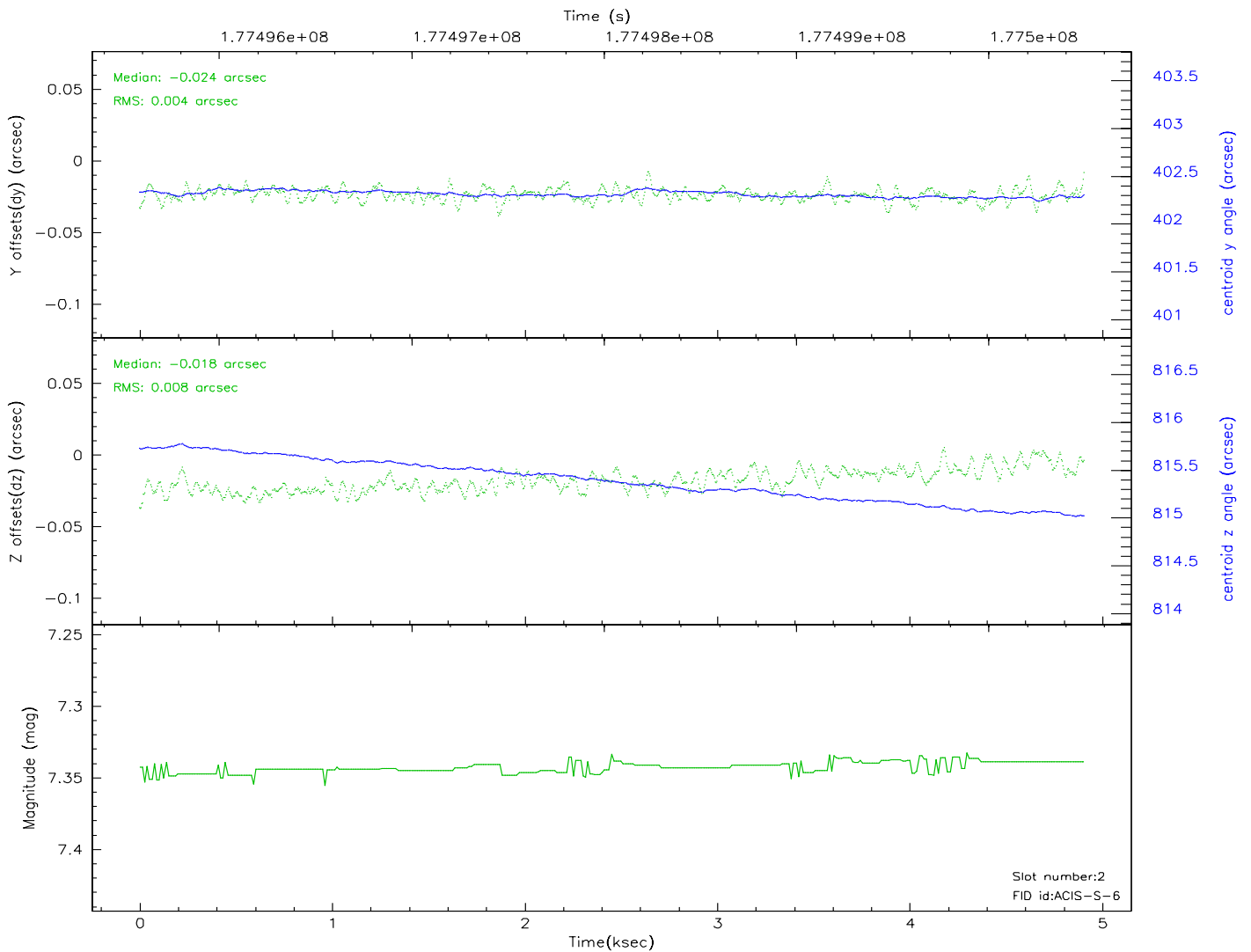
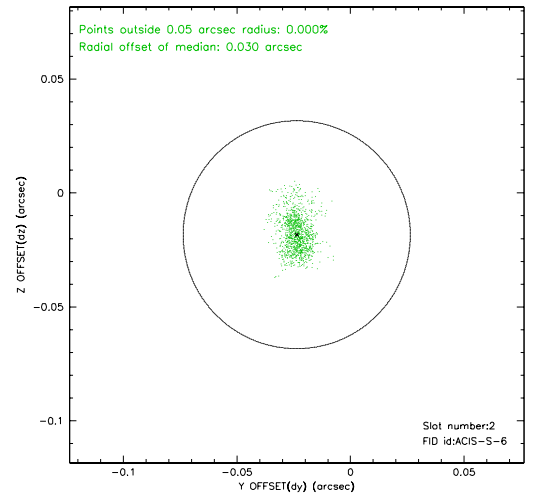
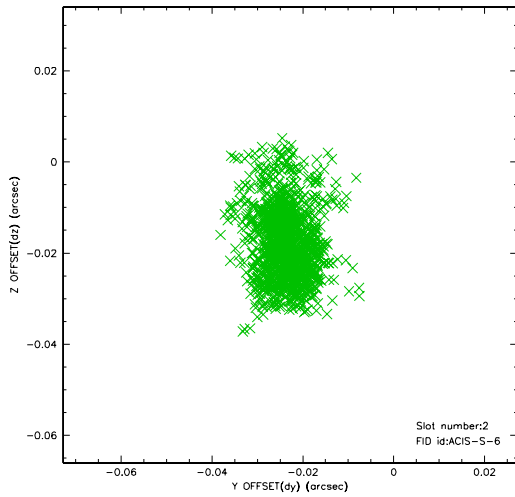
2.5.1 Slot 0



2.5.2 Slot 1

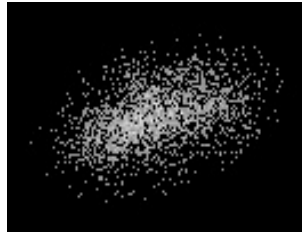


2.5.3 Slot 2



3 Point Sources

4.23 arcmin



18.25 arcmin



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.906

A.2 Comments