

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2129 - L2 Version 001
Chandra X-Ray Center

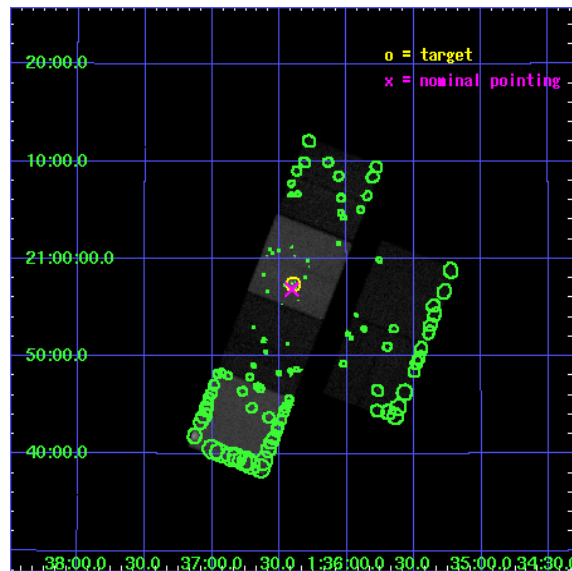
L2 Processing Date : Nov 2 2006

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

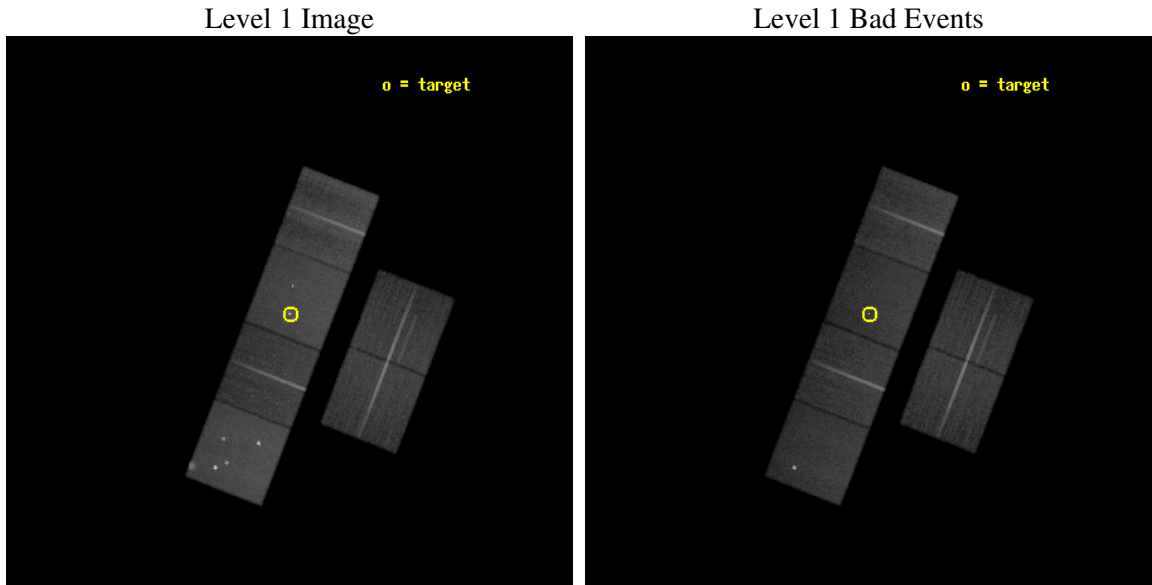
seq_num	700319
obs_id	2129
title	INVERSE COMPTON SCATTERING IN QUASAR RADIO LOBES AND THE SPECTRUM OF RELATIVISTIC ELECTRONS
observer	Dr. Gianfranco Brunetti
object	3C 47
dtcycle	0
cycle	P
ra_targ	24.1
dec_targ	20.9575
ra_nom	24.10197885965
dec_nom	20.947853804915
roll_nom	291.16585208594
revision	2
ontime	45094.400041997
livetime	44523.387596078
ontime2	45091.159181446
ontime3	45091.159081757
ontime5	45094.400041997
ontime6	45091.159061834
ontime7	45094.400041997
ontime8	45094.400041997
l2events	437964



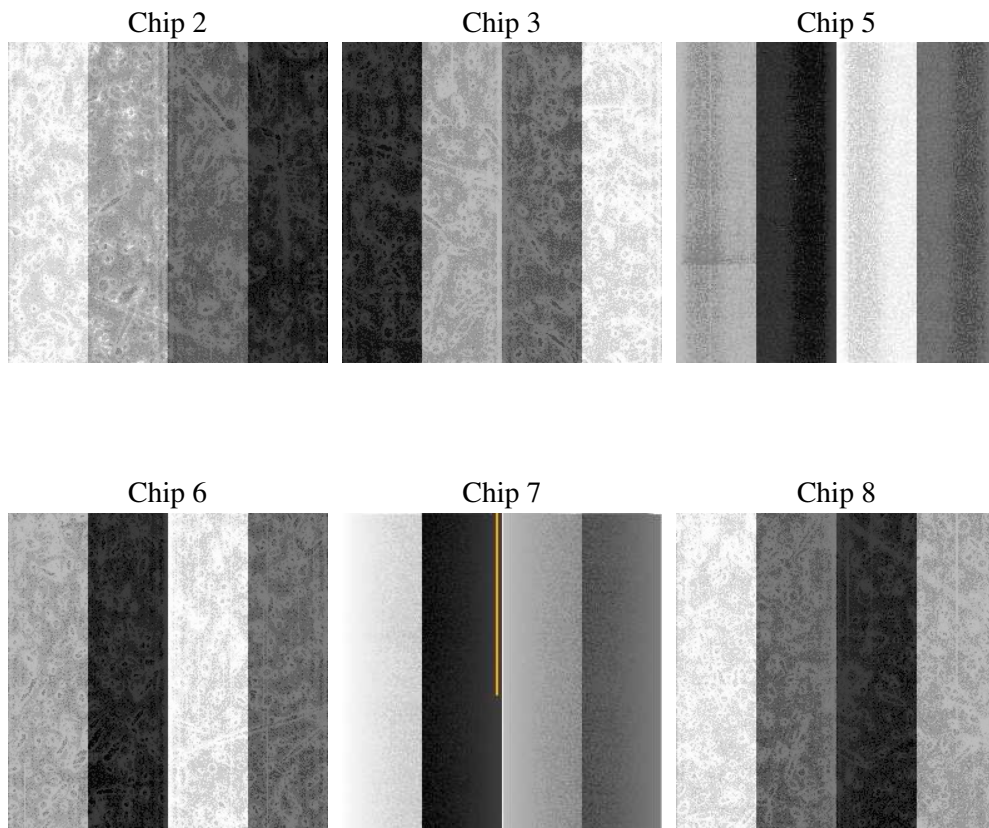
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-11-03T00:38:55
revision	2

sched_exp_time	49600.000000
ontime	45098.487862423
ontime2	45095.24697195
ontime3	45095.246872261
ontime5	45098.487862423
ontime6	45095.24688226
ontime7	45098.487862423
ontime8	45098.487832502
l1events	1988348

2.1.4 Events

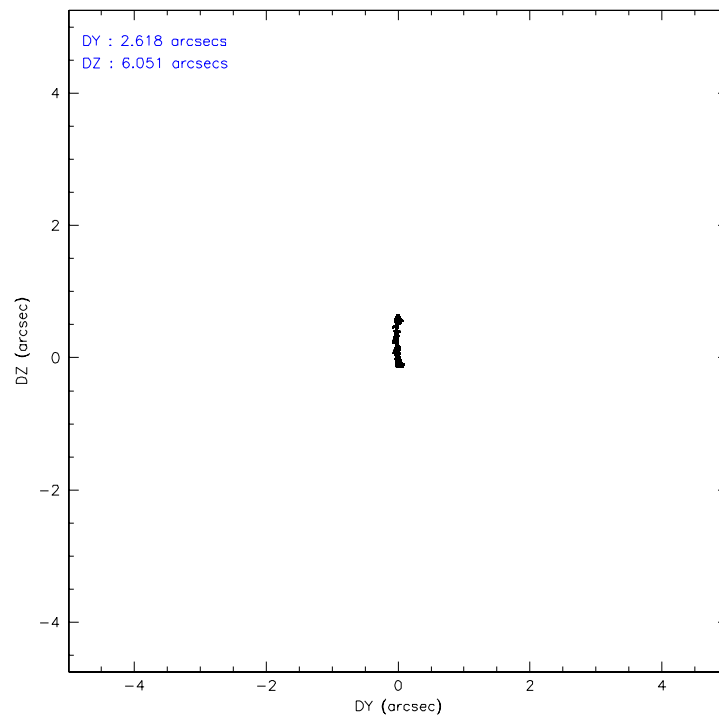
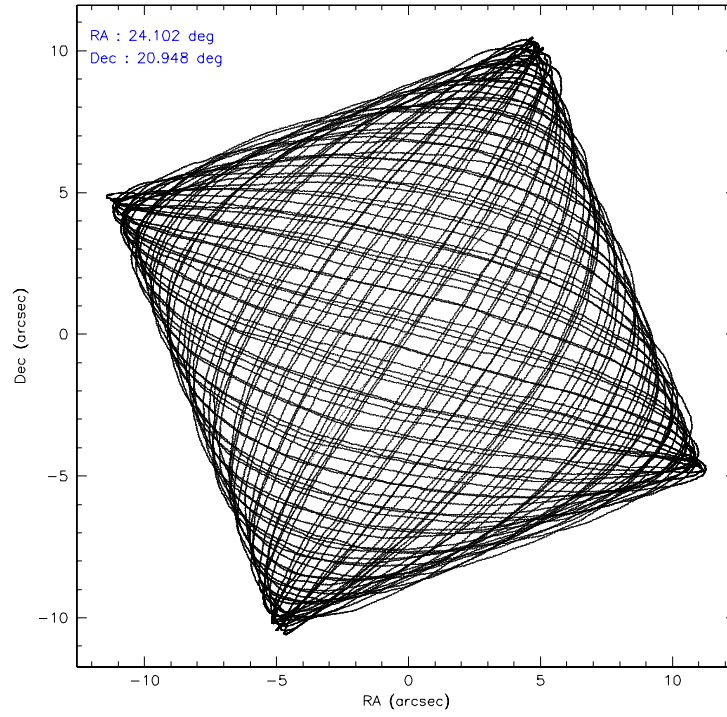
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	286659	271008	414798	277836	375097	362950
rejected events	253851	239586	219250	242982	219514	275560
rejected %	88%	88%	52%	87%	58%	75%

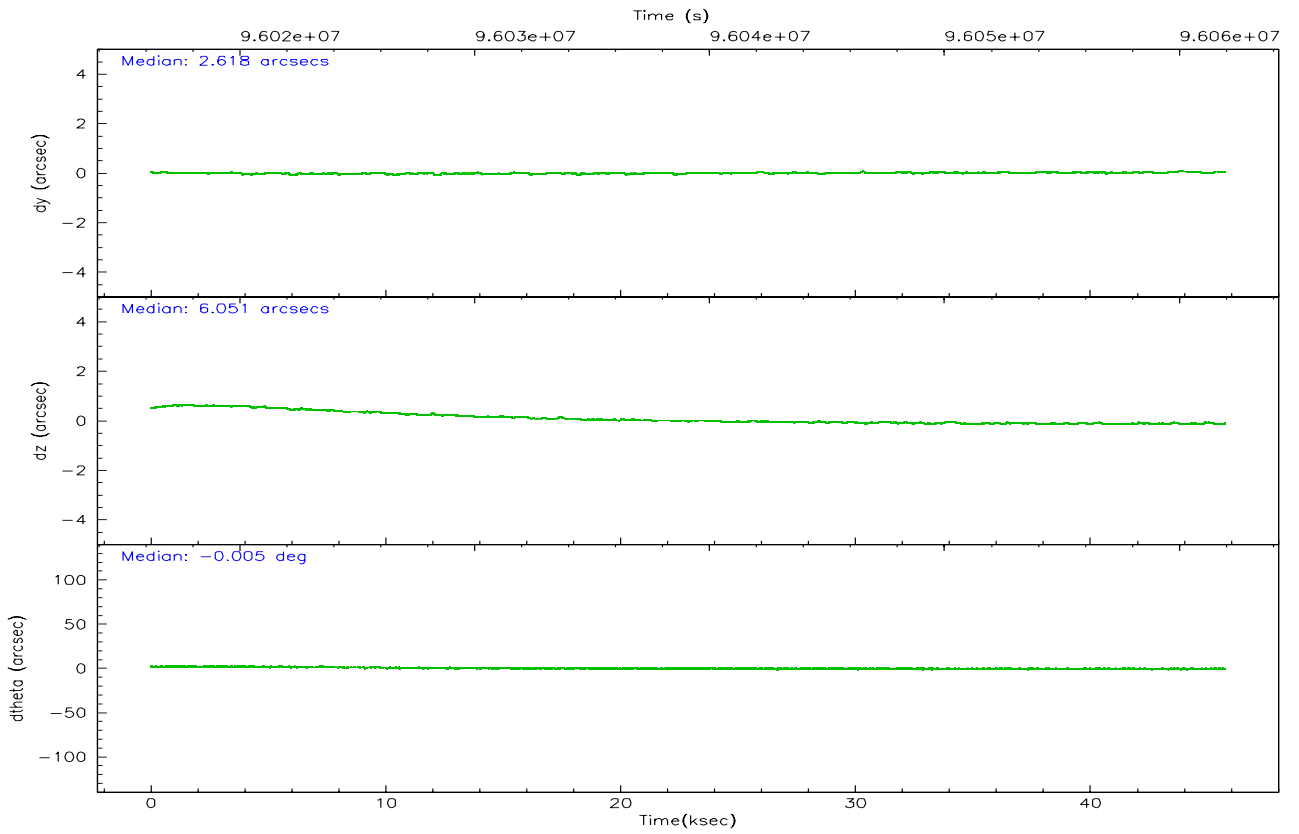
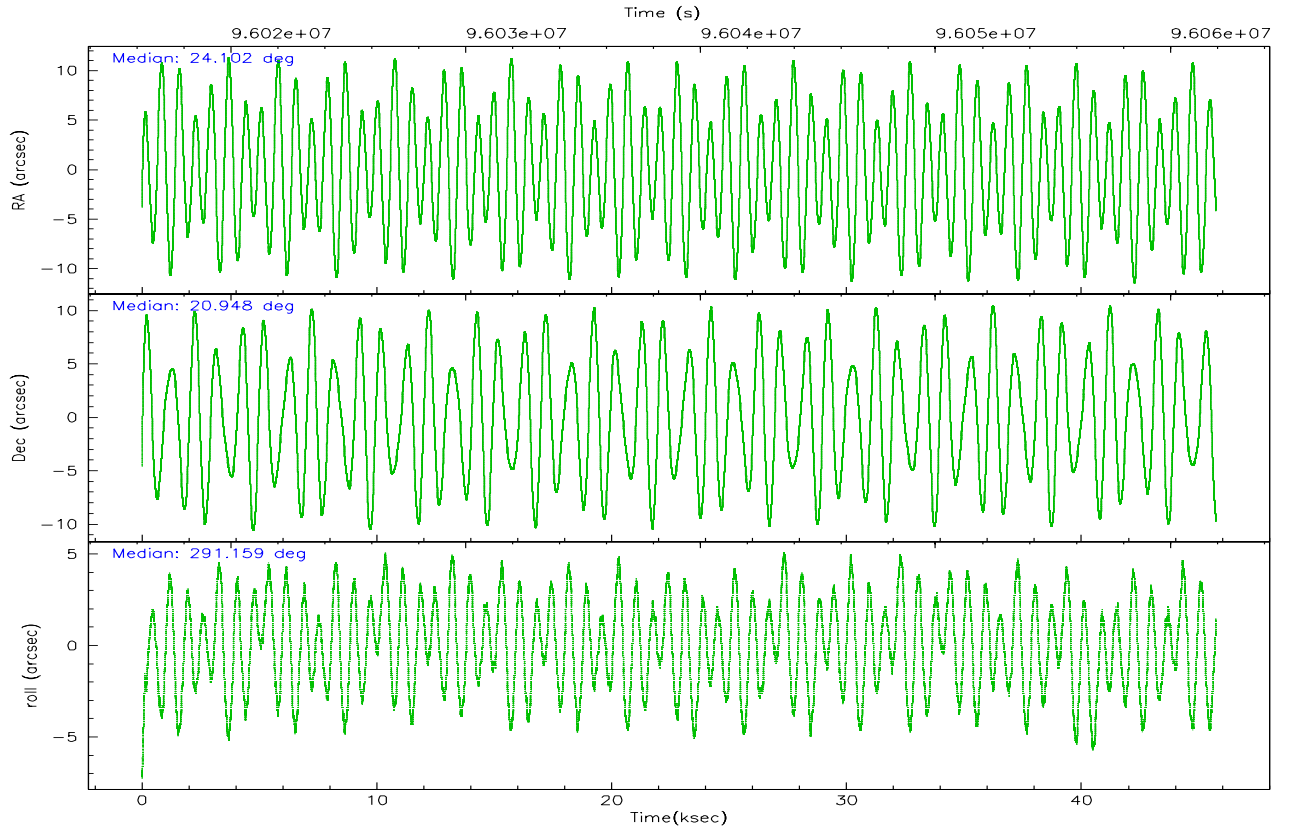
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	14260	13399	29198	15004	12932	29061
	4%	4%	7%	5%	3%	8%
grade 1 events	125	147	290	120	518	237
	0%	0%	0%	0%	0%	0%
grade 2 events	7098	6558	59256	7135	37740	16747
	2%	2%	14%	2%	10%	4%
grade 3 events	2837	2945	4907	3189	9220	11230
	0%	1%	1%	1%	2%	3%
grade 4 events	2919	2883	4540	3060	8891	10135
	1%	1%	1%	1%	2%	2%
grade 5 events	9405	10252	18763	11397	25155	14547
	3%	3%	4%	4%	6%	4%
grade 6 events	5701	5644	97672	6471	86814	20253
	1%	2%	23%	2%	23%	5%
grade 7 events	244314	229180	200172	231460	193827	260740
	85%	84%	48%	83%	51%	71%

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	24.079028	24.10197885964957	Subarray requested	NONE	NONE
Pointing Dec	20.964790	20.94785380491474	Alternating exposures requested	N	N
Pointing Roll	291.017433	291.165852085938	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	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	96016800.184000	96015638.589453			
Observation start date	2001-01-16T07:18:56	2001-01-16T07:00:38			
Observation end time	96066400.184000	96062088.003737			
Observation end date	2001-01-16T21:05:36	2001-01-16T19:54:48			
Read mode	TIMED	TIMED			

2.3 Aspect



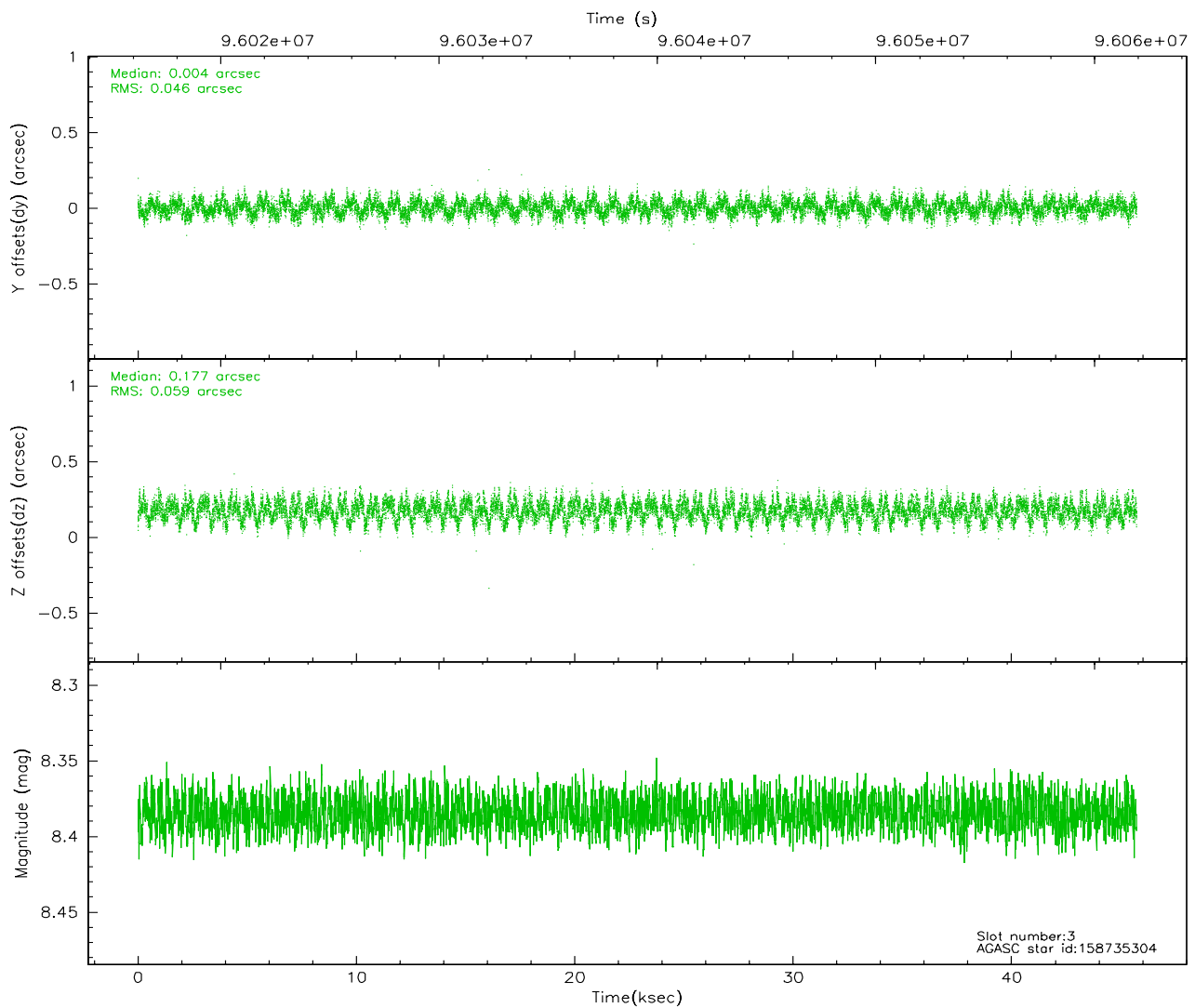
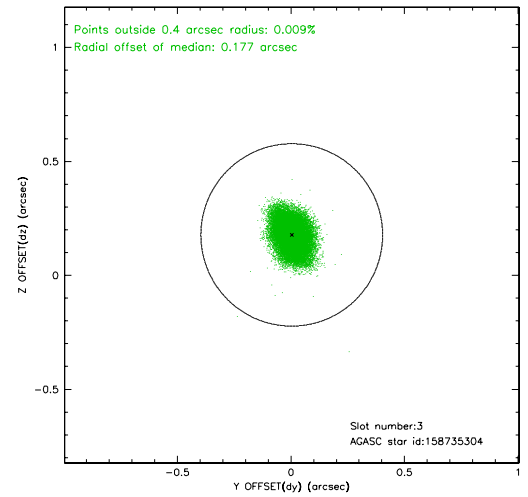
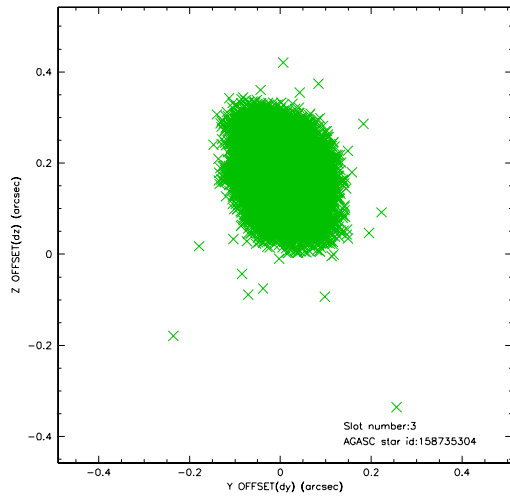


Slot Statistics

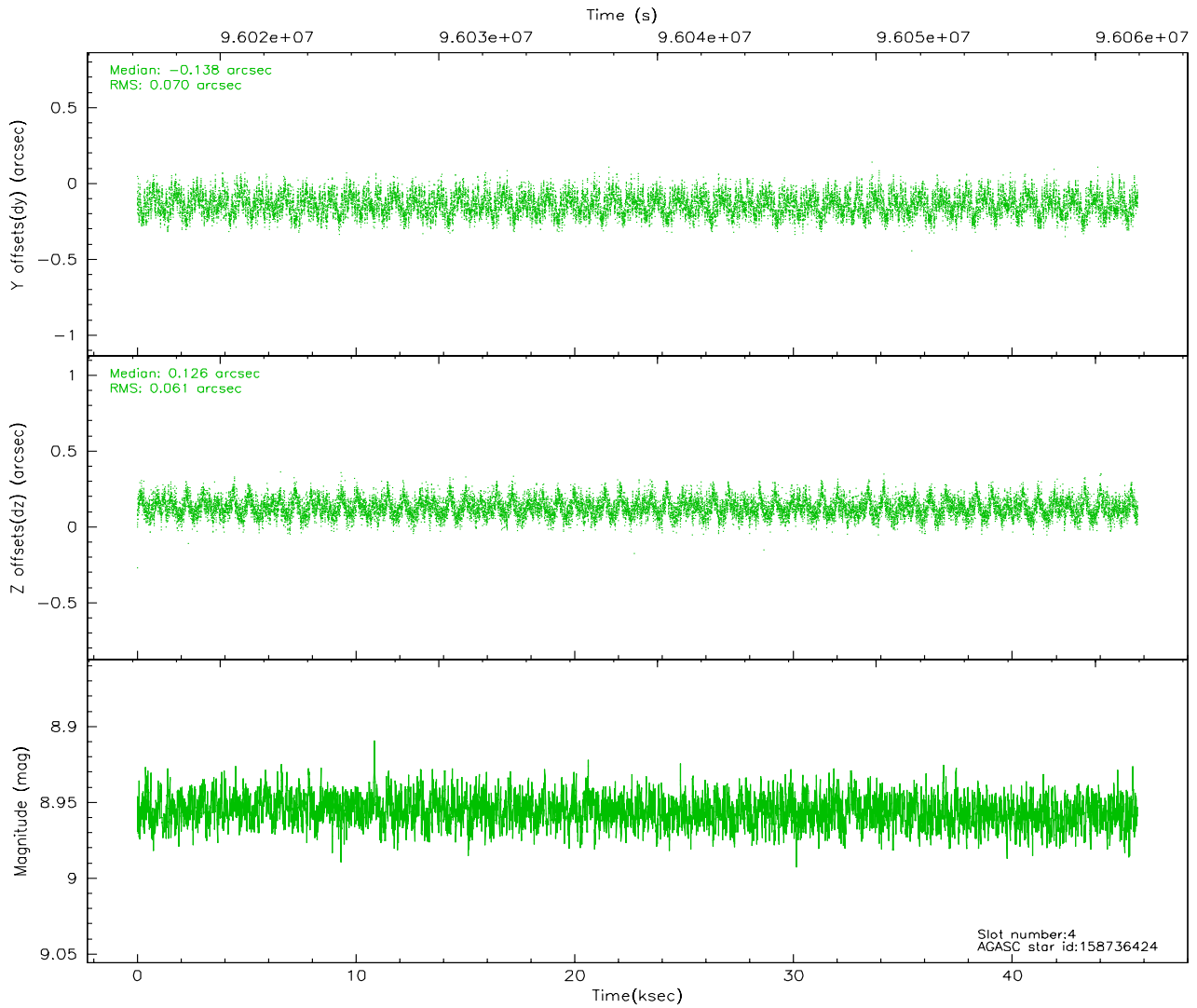
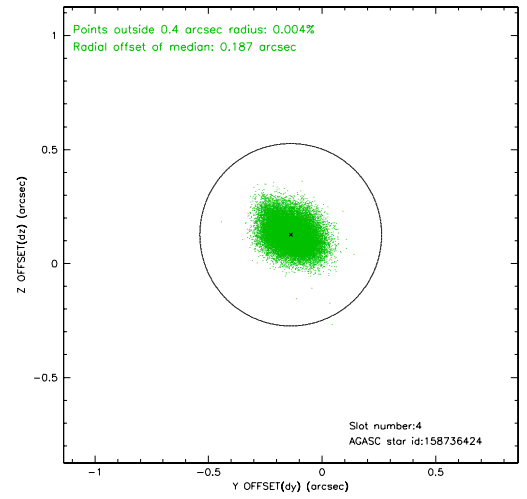
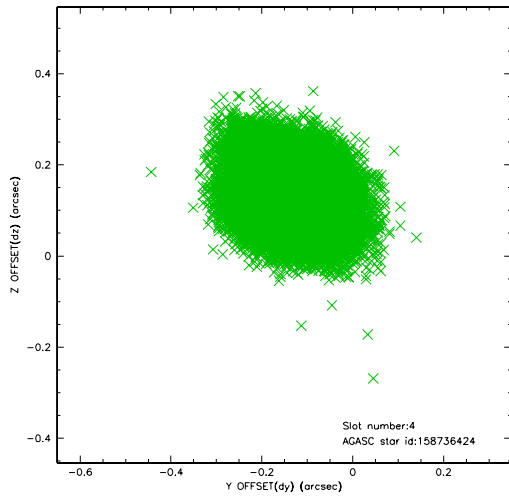
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	11154	-0.014	0.041	0.009	0.015	0.000000	0.000000	-755.24	-1727.22
1	FID	ACIS-S-4	7.21	11152	-0.075	-0.004	0.009	0.017	0.000000	0.000000	2157.95	181.26
2	FID	ACIS-S-5	7.24	11153	0.058	-0.027	0.006	0.011	0.000000	0.000000	-1808.04	174.86
3	GUIDE	158735304	8.38	22306	0.004	0.177	0.081	0.128	24.483908	21.261111	-510.58	1650.83
4	GUIDE	158736424	8.96	22302	-0.138	0.126	0.101	0.158	24.393339	21.676320	-2015.49	1900.16
5	GUIDE	158736416	8.65	22296	0.203	-0.049	0.073	0.117	24.286827	20.700128	1139.92	311.42
6	GUIDE	157813240	9.01	22304	-0.080	-0.105	0.076	0.122	23.352698	21.152223	-1509.65	-2033.21
7	GUIDE	157811328	8.98	22233	0.011	-0.149	0.082	0.130	23.551617	21.177007	-1350.96	-1378.55

2.4 Star Slots

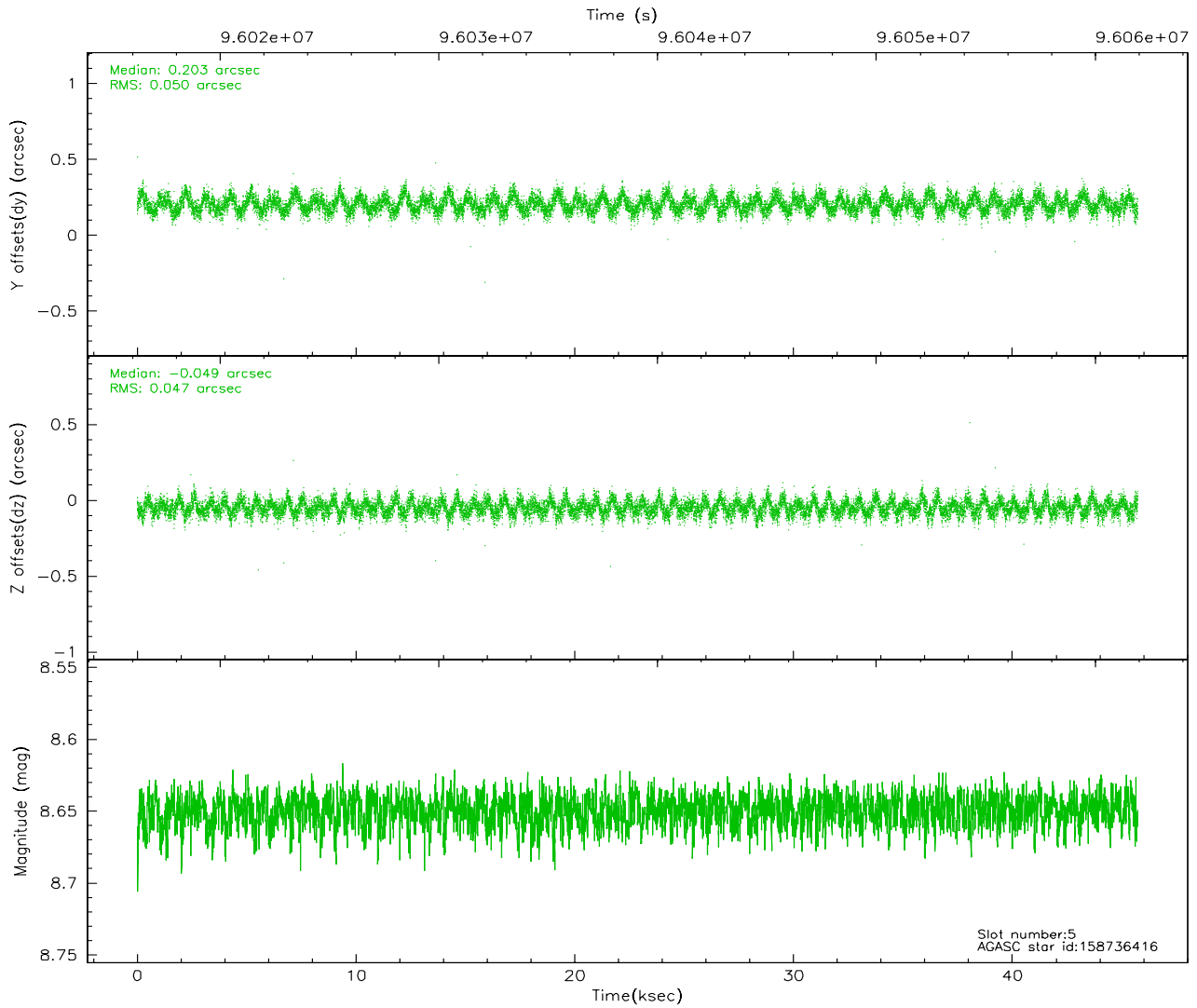
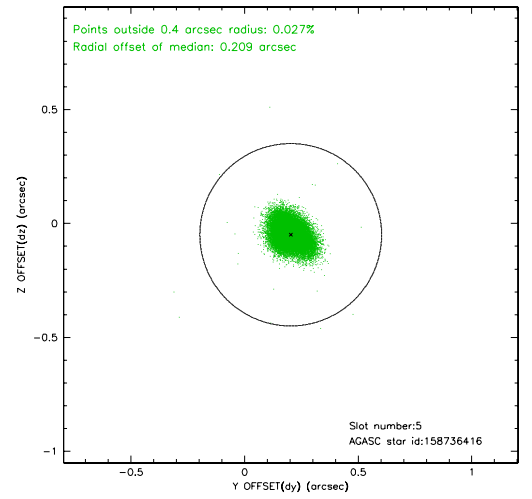
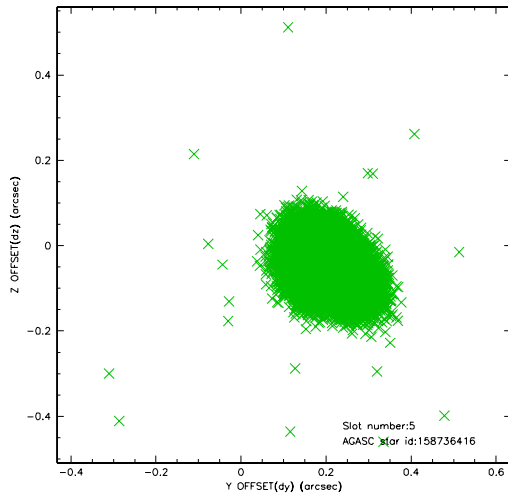
2.4.1 Slot 3



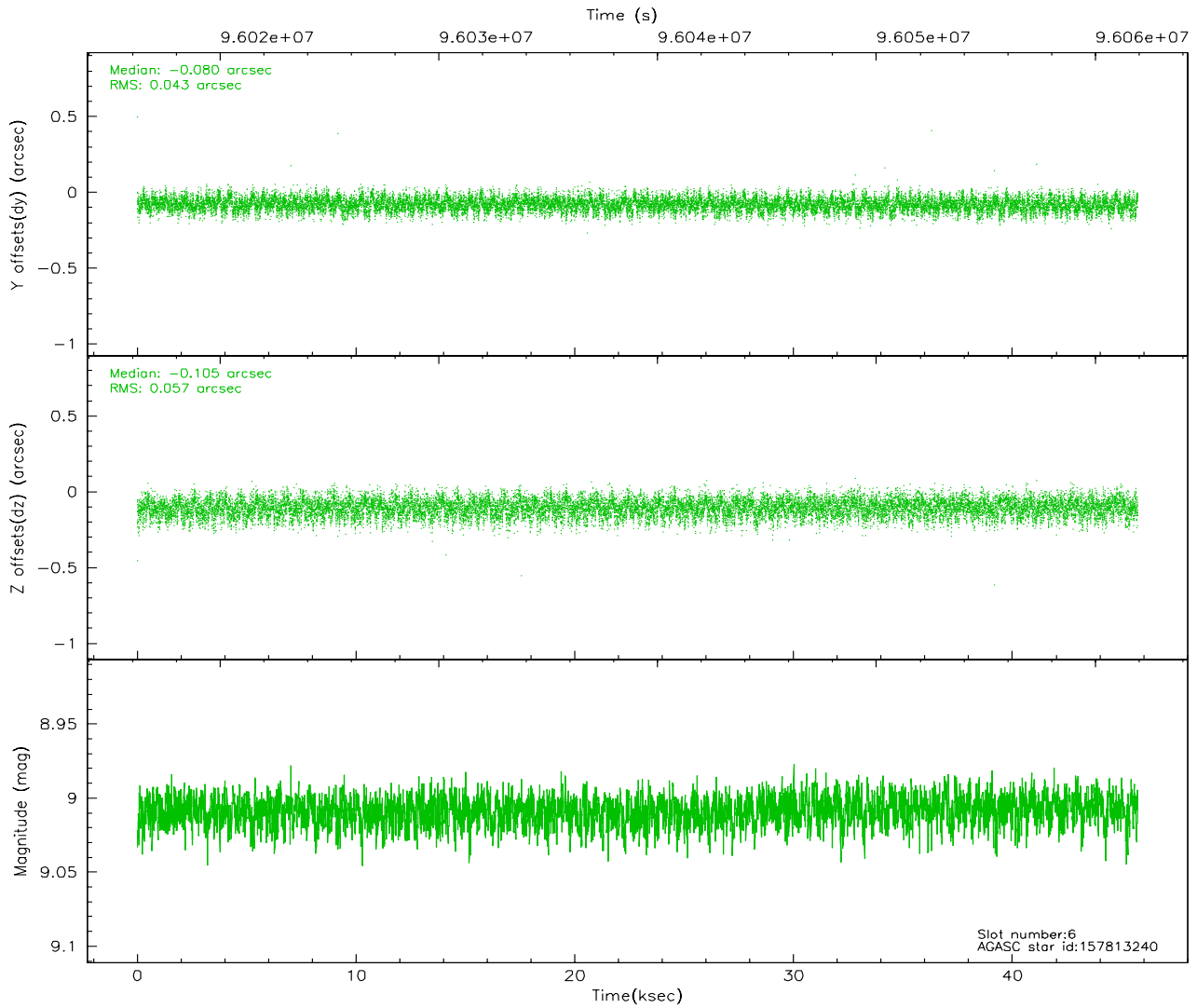
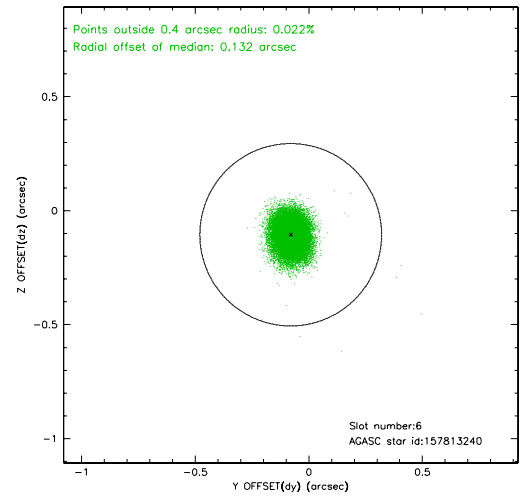
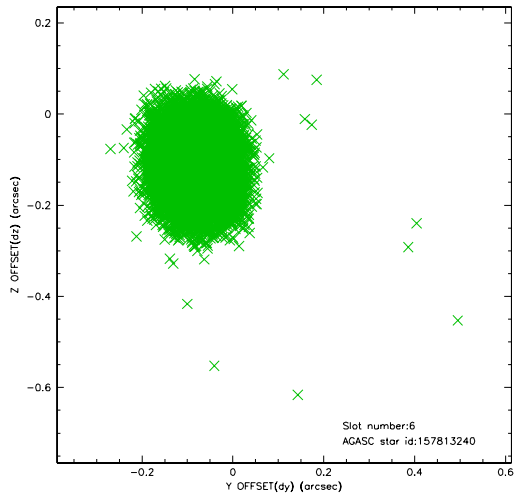
2.4.2 Slot 4



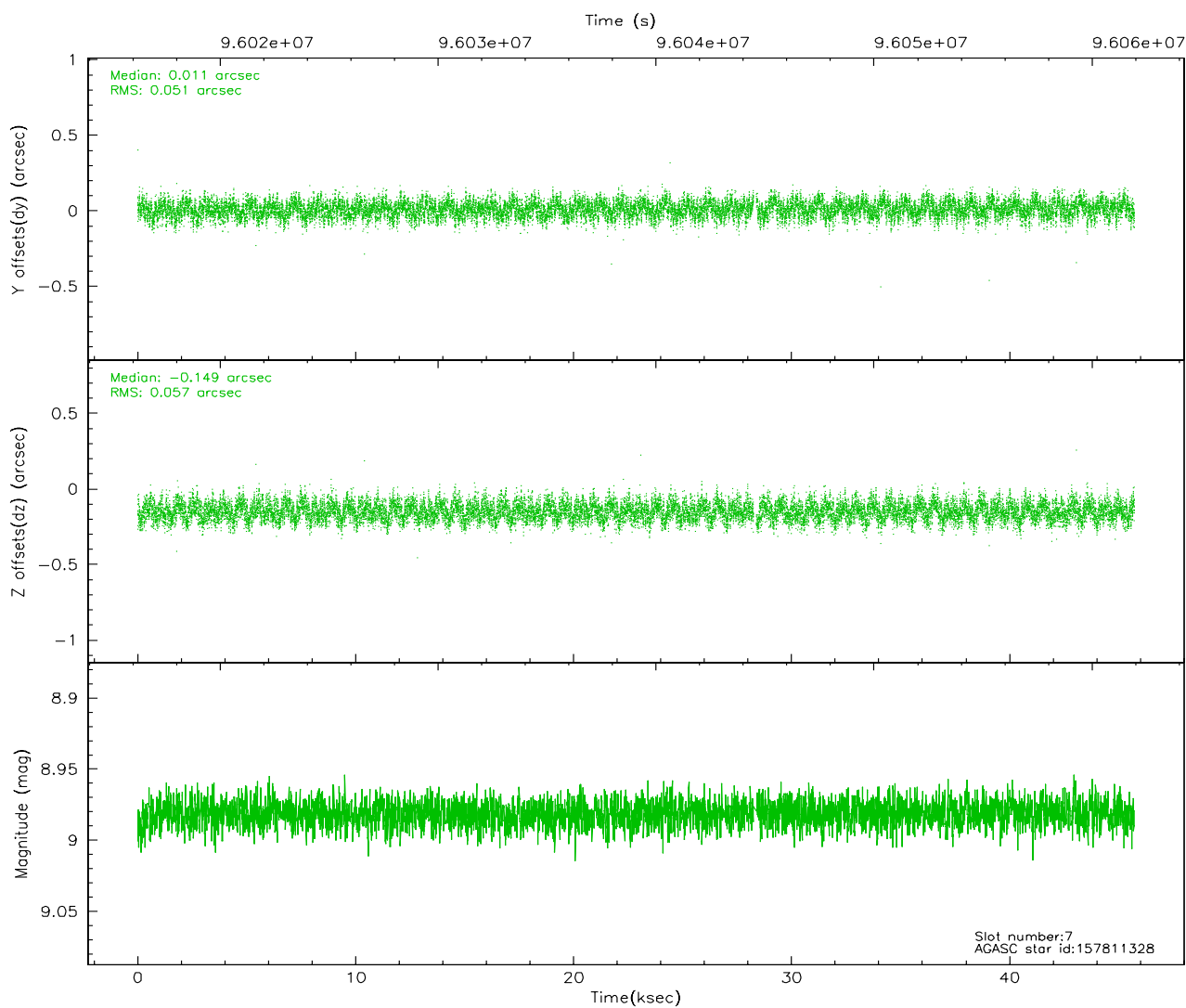
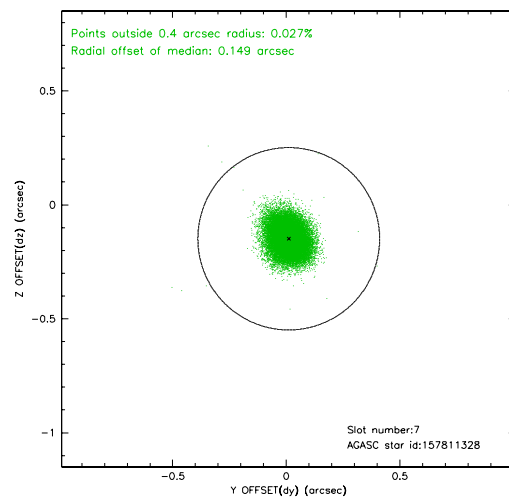
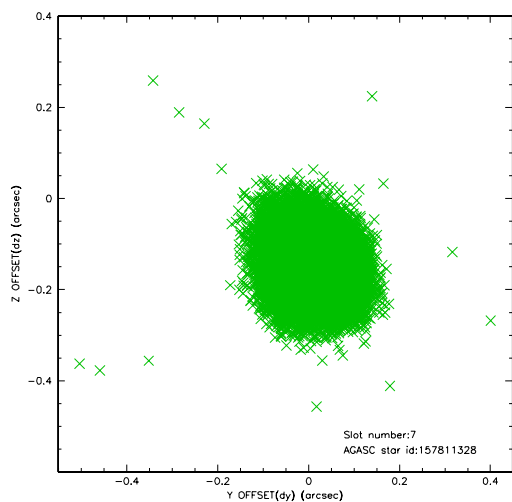
2.4.3 Slot 5



2.4.4 Slot 6

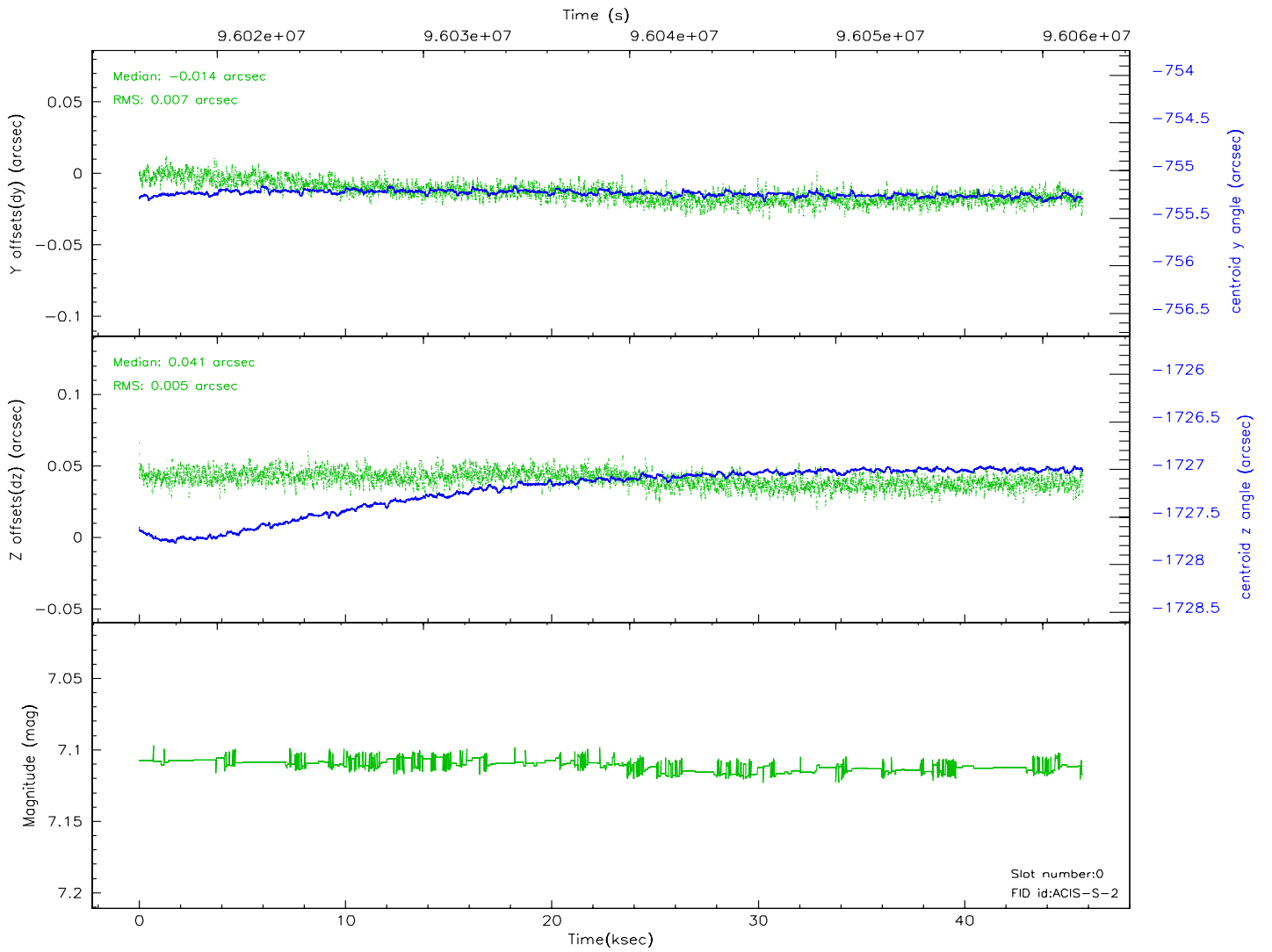
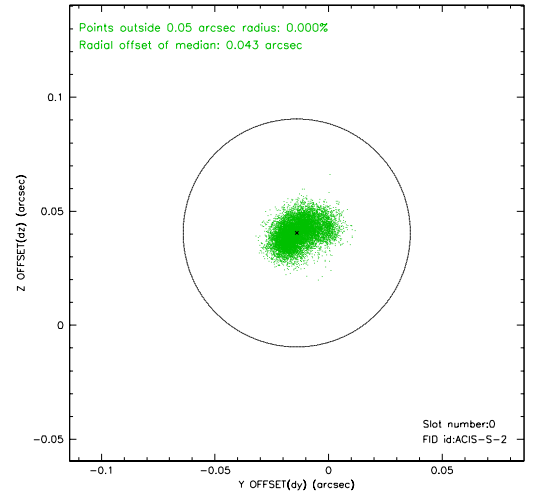
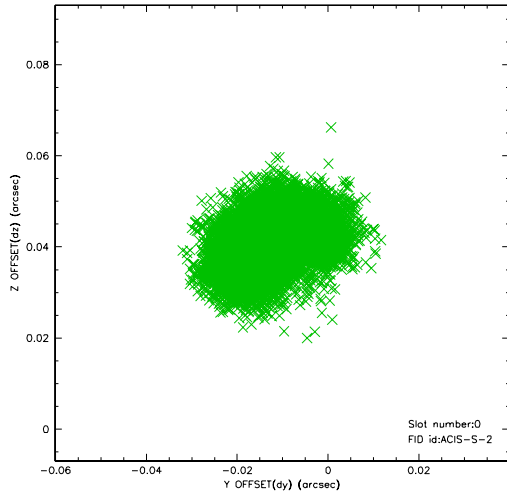


2.4.5 Slot 7

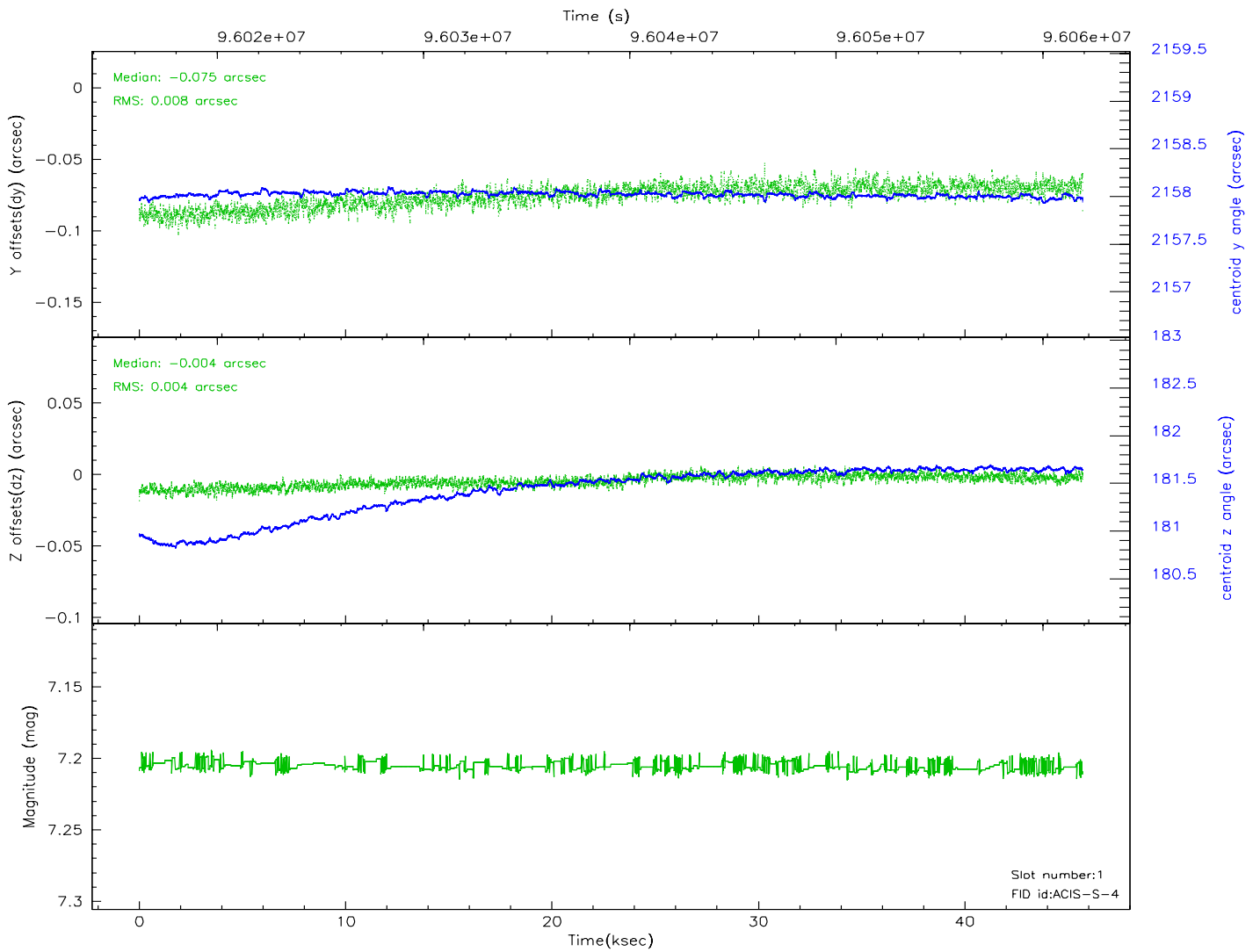
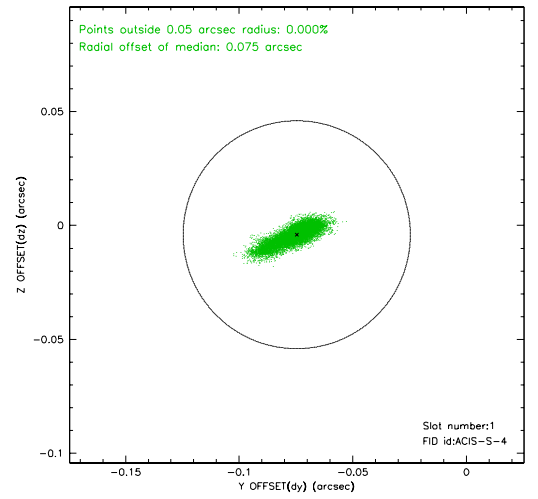
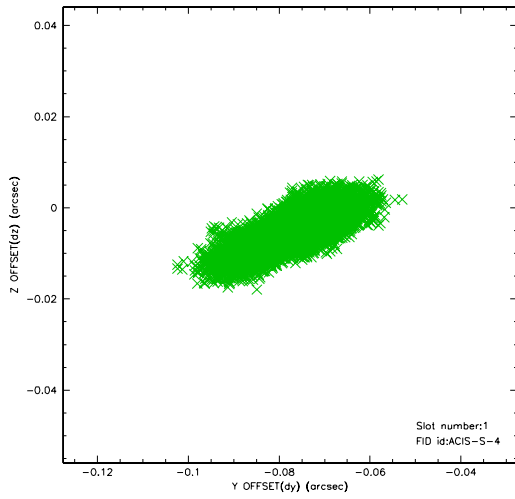


2.5 FID Slots

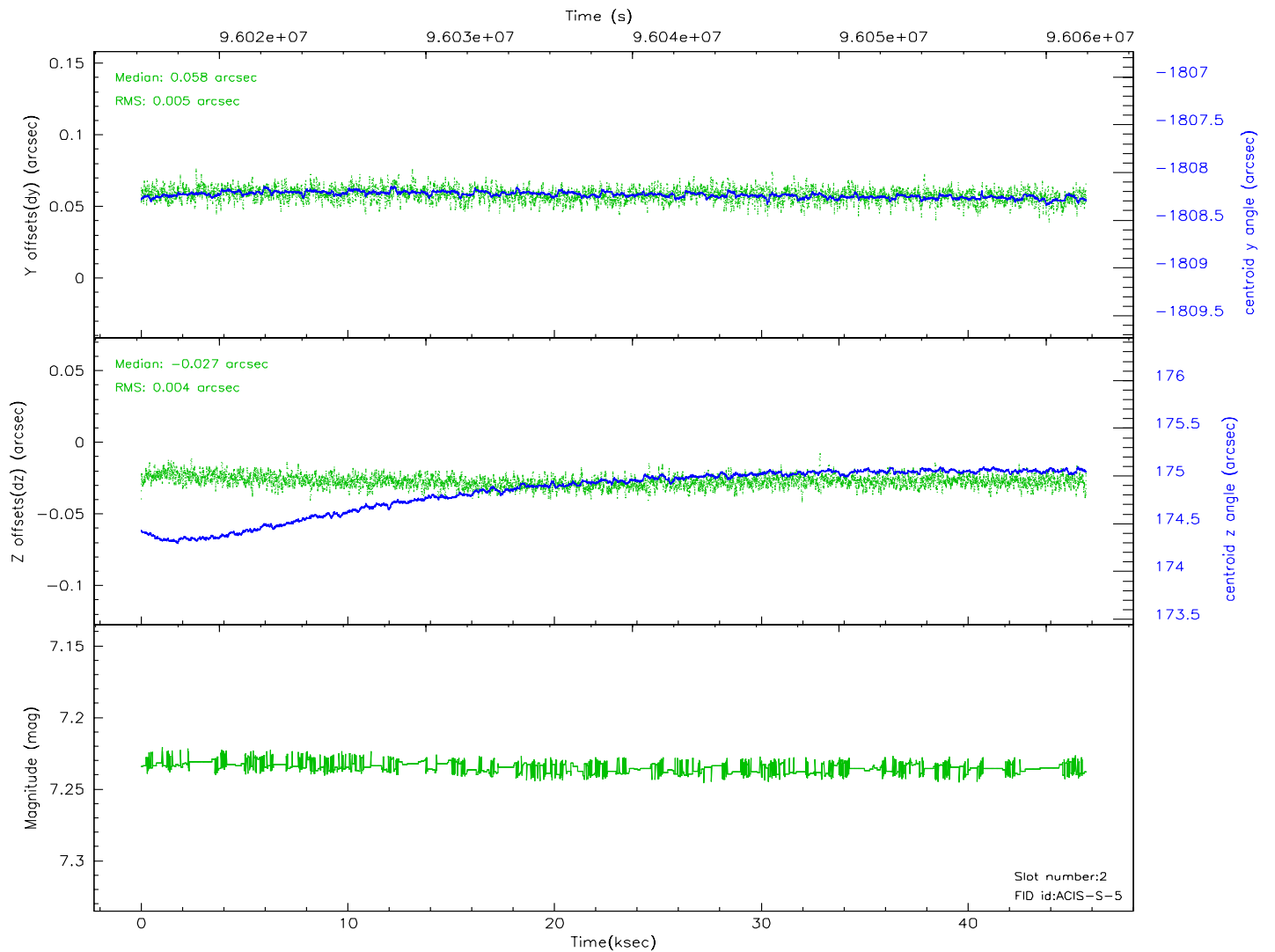
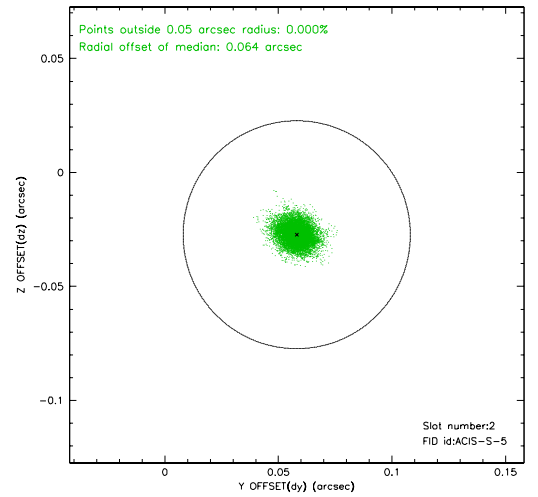
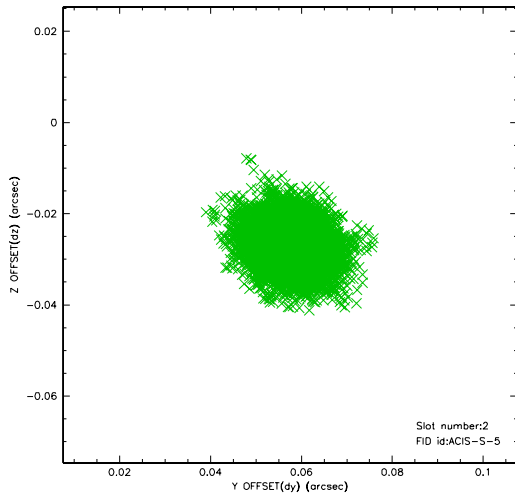
2.5.1 Slot 0



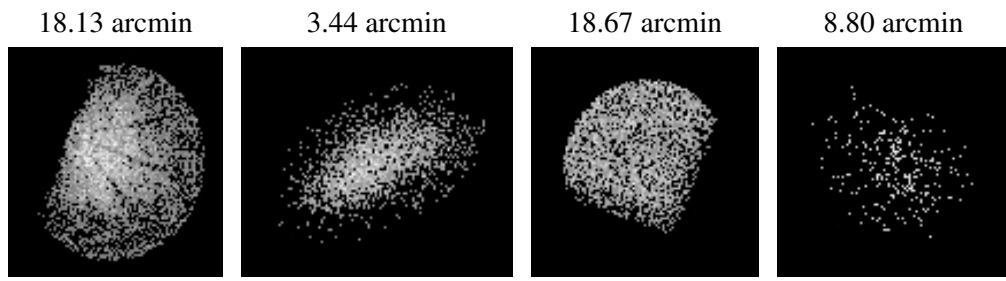
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	45.097

A.2 Comments