

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 3577 - L2 Version 001
Chandra X-Ray Center

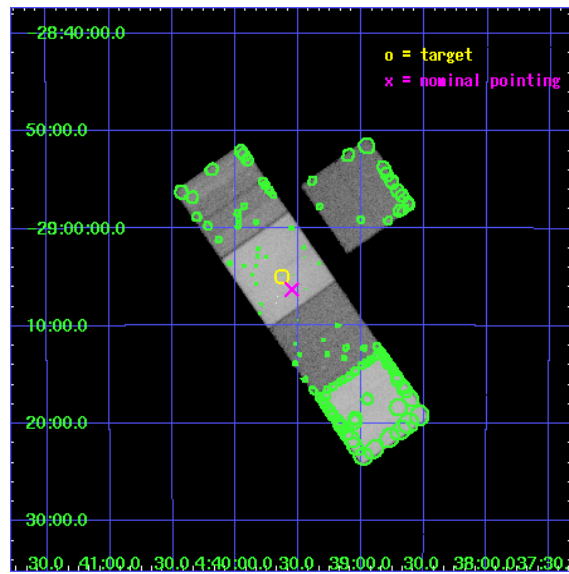
L2 Processing Date : Aug 4 2006

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

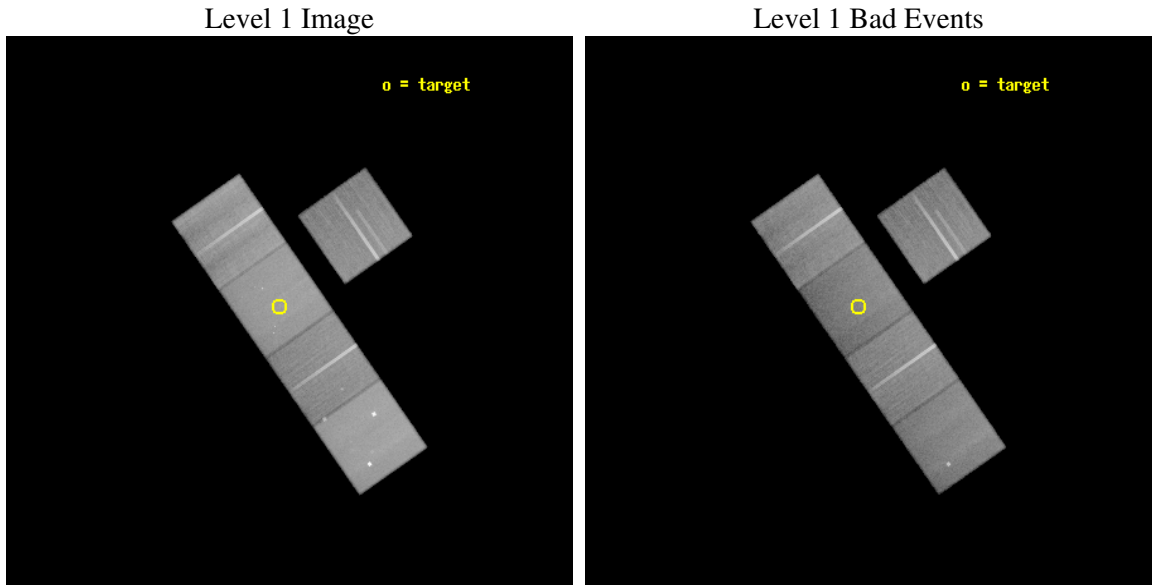
seq_num	800298
obs_id	3577
title	A CHANDRA SURVEY OF A UNIFORMLY-SELECTED SAMPLE OF HIGH-REDSHIFT GALAXY CLUSTERS
observer	Professor Gordon Garmire
object	RCS0439.6-2905
dtcycle	0
cycle	P
ra_targ	69.908333
dec_targ	-29.082
ra_nom	69.887692503436
dec_nom	-29.104784366039
roll_nom	235.08007734482
revision	2
ontime	77171.39985162
livetime	76163.098699801
ontime3	77161.976970911
ontime5	77171.39985162
ontime6	77158.836010605
ontime7	77171.39985162
ontime8	77161.976911098
l2events	804442



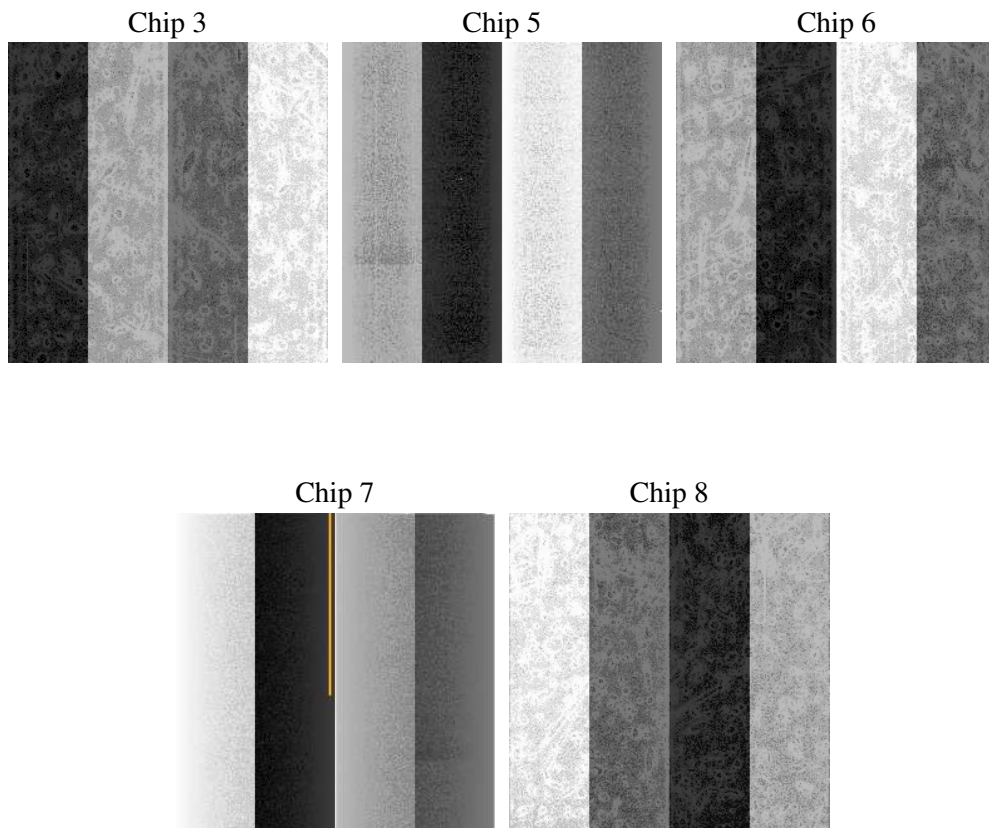
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldsver	3.2.2
date	2006-08-05T00:06:25
revision	2

sched_exp_time	80223.788000
ontime	77727.217135072
ontime3	77717.794254363
ontime5	77727.217135072
ontime6	77714.653294057
ontime7	77727.217135072
ontime8	77717.794194549
l1events	2631549

2.1.4 Events

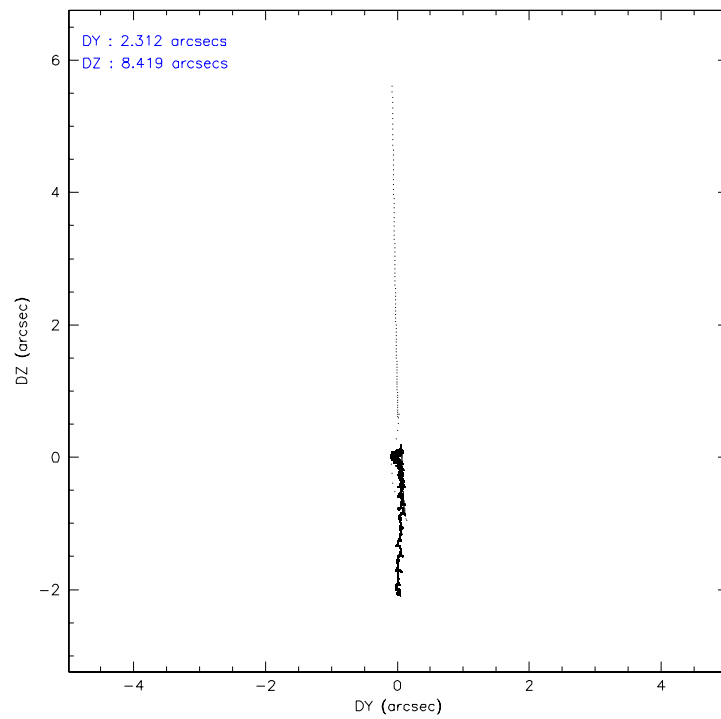
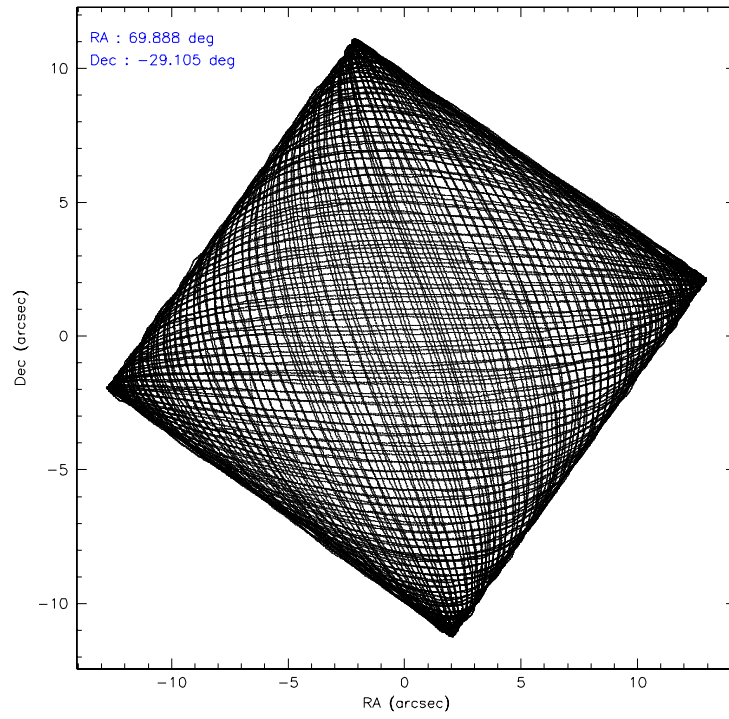
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	421063	660090	438289	558048	554059
rejected events	363899	302868	370110	272405	402257
rejected %	86%	45%	84%	48%	72%

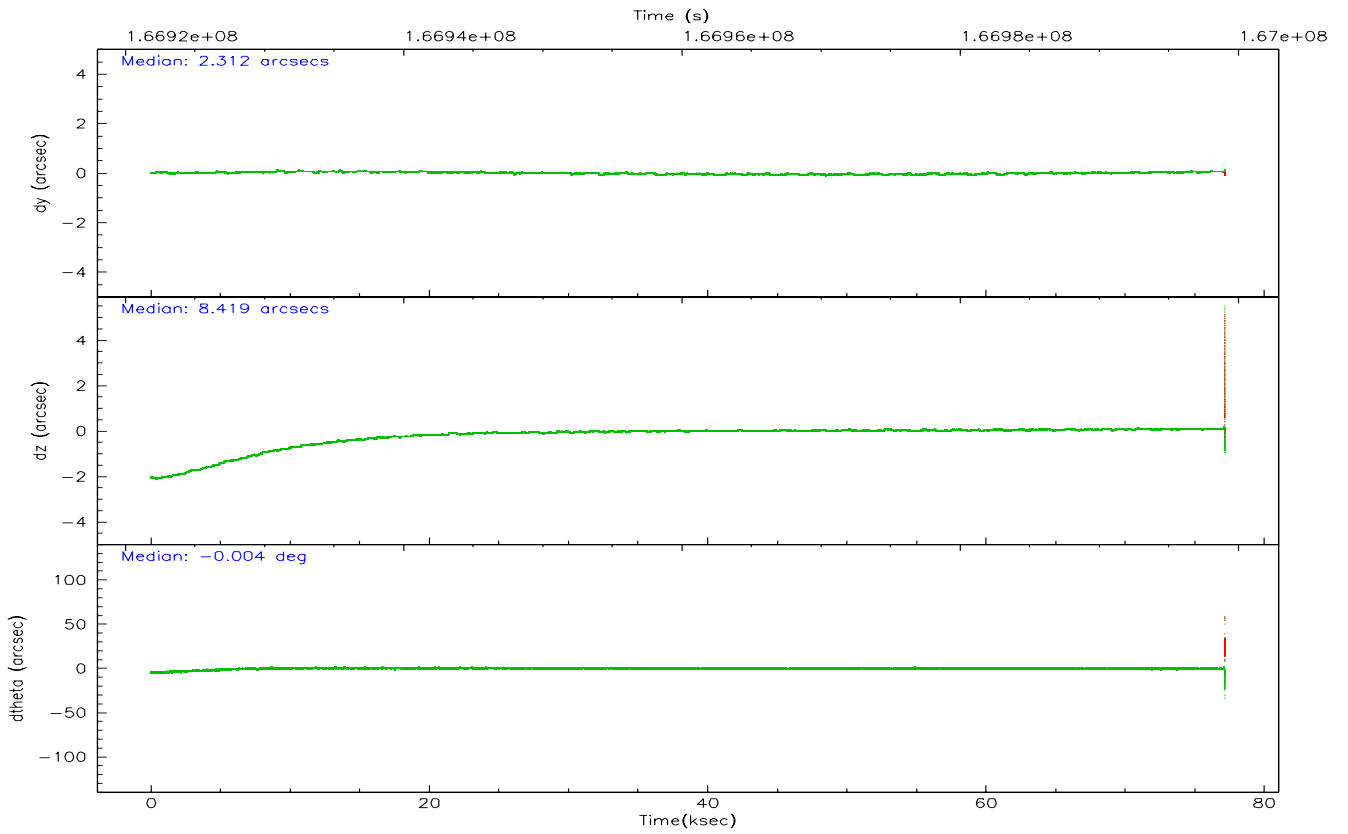
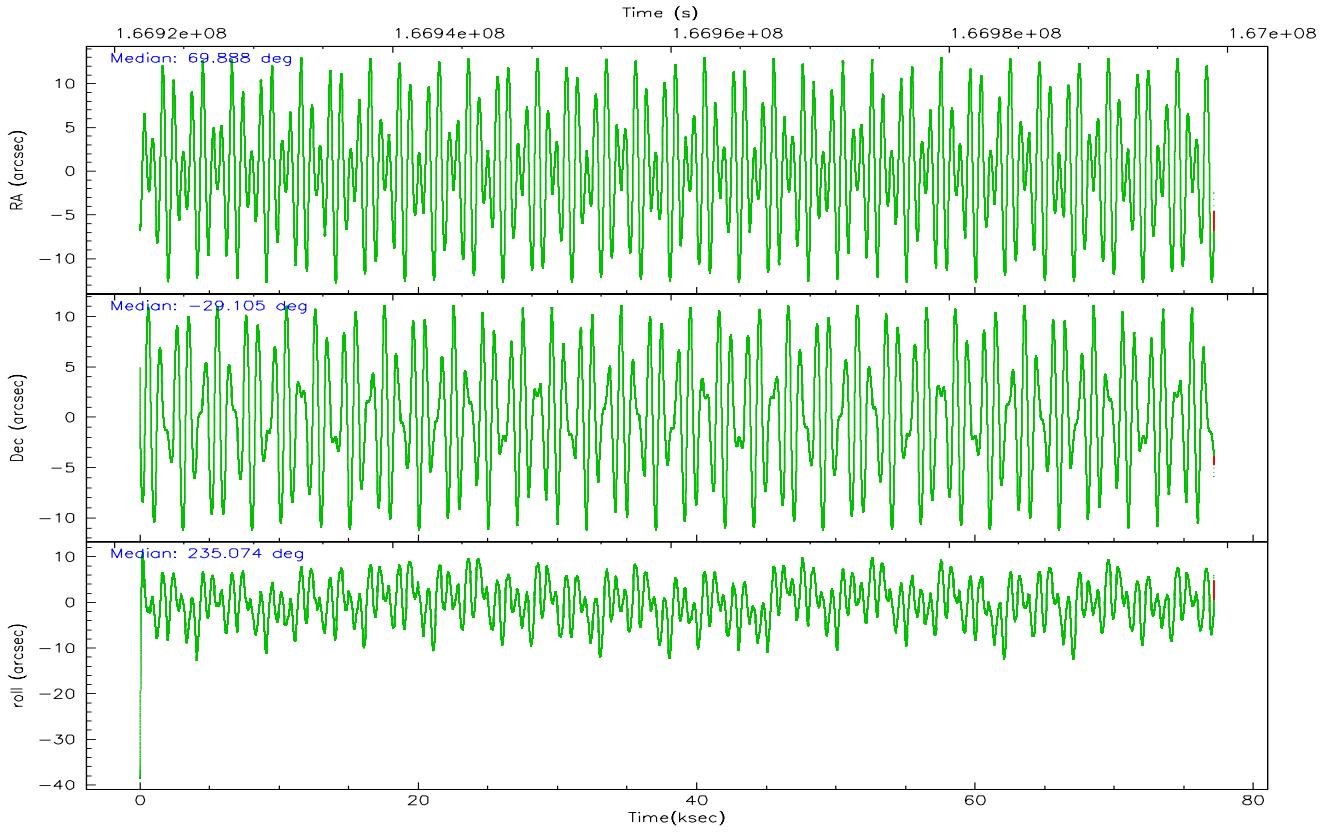
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	26107	36685	32837	22857	65054
	6%	5%	7%	4%	11%
grade 1 events	251	214	269	262	431
	0%	0%	0%	0%	0%
grade 2 events	10665	112470	11917	66718	28608
	2%	17%	2%	11%	5%
grade 3 events	5556	12502	5909	17151	13638
	1%	1%	1%	3%	2%
grade 4 events	5319	10215	5797	16763	13080
	1%	1%	1%	3%	2%
grade 5 events	15275	31194	16274	35512	22243
	3%	4%	3%	6%	4%
grade 6 events	10055	188653	12344	164888	32550
	2%	28%	2%	29%	5%
grade 7 events	347835	268157	352942	233897	378455
	82%	40%	80%	41%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	69.889937	69.88769250343631	Alternating exposures requested	N	N
Pointing Dec	-29.077633	-29.10478436603912	Primary exposure time	0.000000	3.1
Pointing Roll	234.924554	235.08007734482			
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	166921988.184000	166920760.08954			
Observation start date	2003-04-16T23:12:04	2003-04-16T22:52:40			
Observation end time	167002212.184000	166999071.11785			
Observation end date	2003-04-17T21:29:08	2003-04-17T20:37:51			
Read mode	TIMED	TIMED			

2.3 Aspect



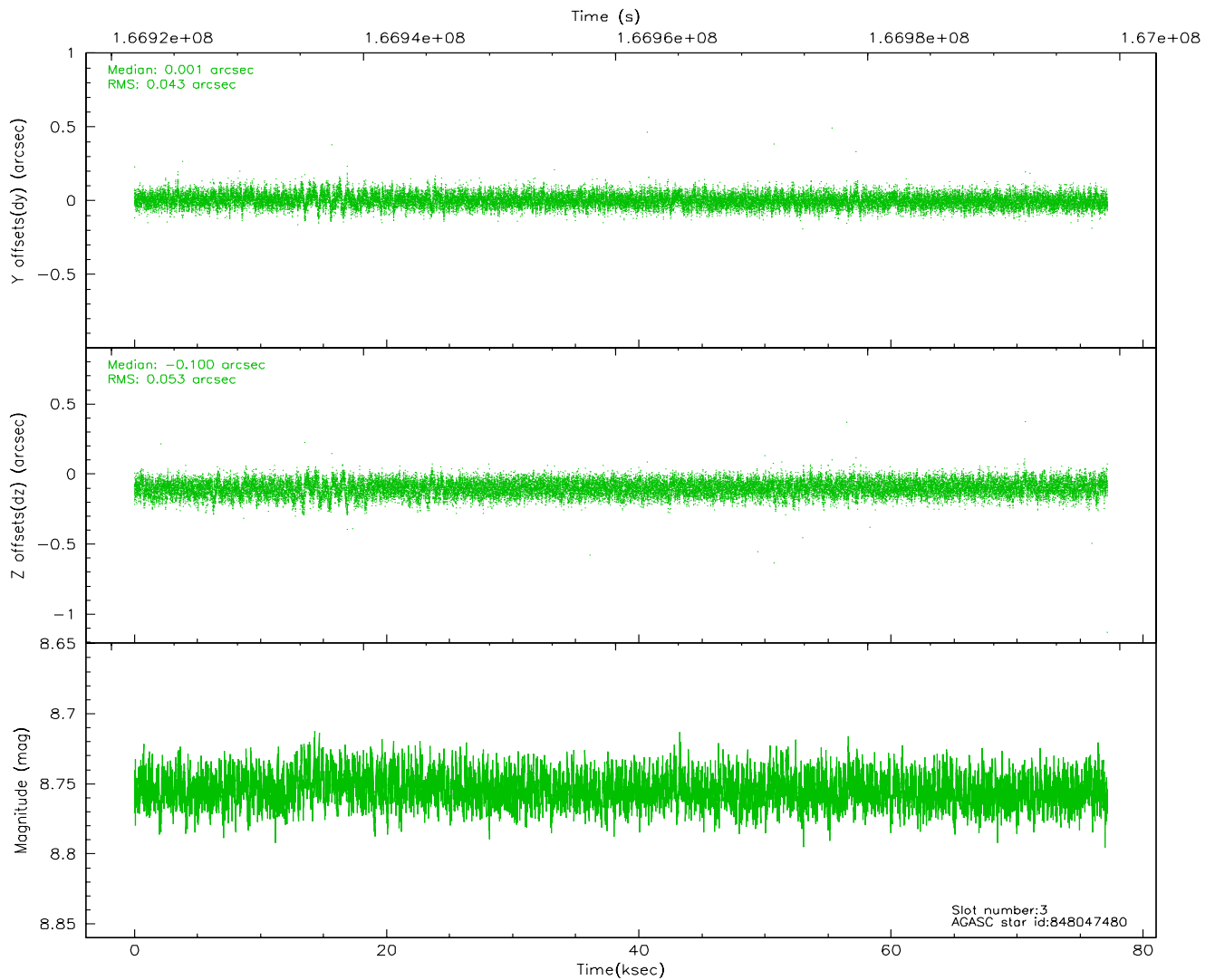
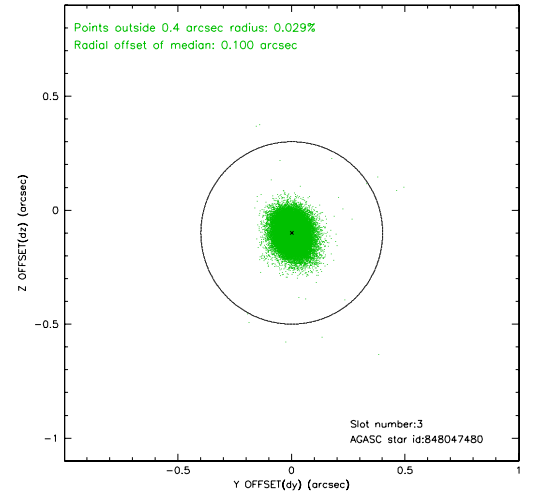
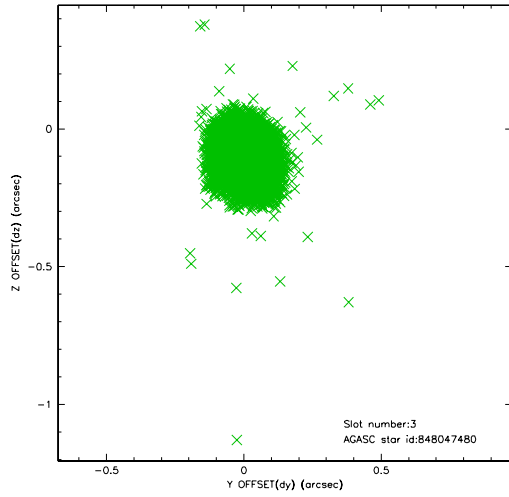


Slot Statistics

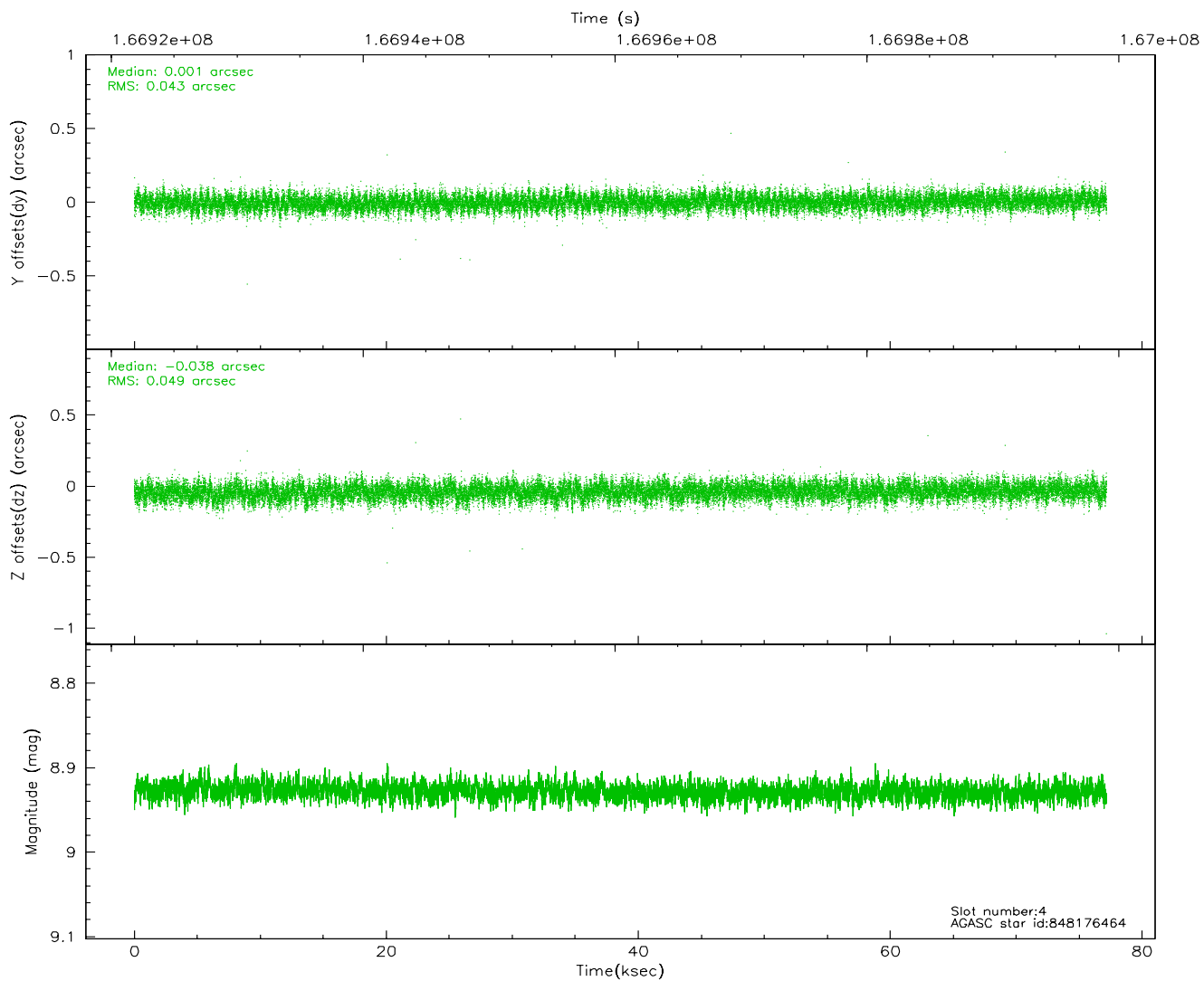
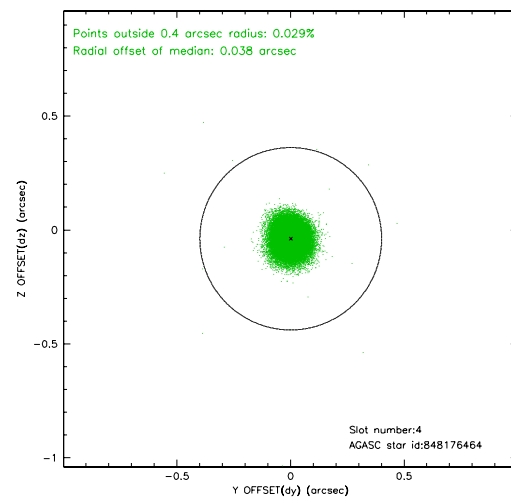
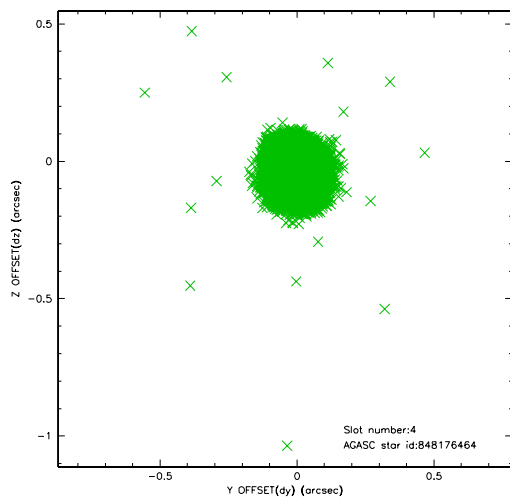
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	18821	-0.009	0.016	0.007	0.019	0.000000	0.000000	-754.95	-1729.37
1	FID	ACIS-S-4	7.20	18817	-0.063	0.000	0.006	0.018	0.000000	0.000000	2158.31	179.16
2	FID	ACIS-S-5	7.24	18819	0.042	-0.007	0.008	0.016	0.000000	0.000000	-1807.82	172.75
3	GUIDE	848047480	8.75	37645	0.001	-0.100	0.072	0.117	69.257860	-28.952835	781.31	-1884.41
4	GUIDE	848176464	8.93	37620	0.001	-0.038	0.068	0.110	70.004301	-28.552244	-1755.38	-790.86
5	GUIDE	848177296	9.17	37634	-0.124	0.100	0.088	0.143	70.244110	-29.383303	263.28	1542.95
6	GUIDE	848178576	9.61	37500	0.093	0.006	0.106	0.167	69.996704	-29.808116	1960.69	1784.84
7	GUIDE	848177232	9.88	37551	0.031	0.032	0.105	0.173	70.176017	-28.460107	-2338.53	-535.80

2.4 Star Slots

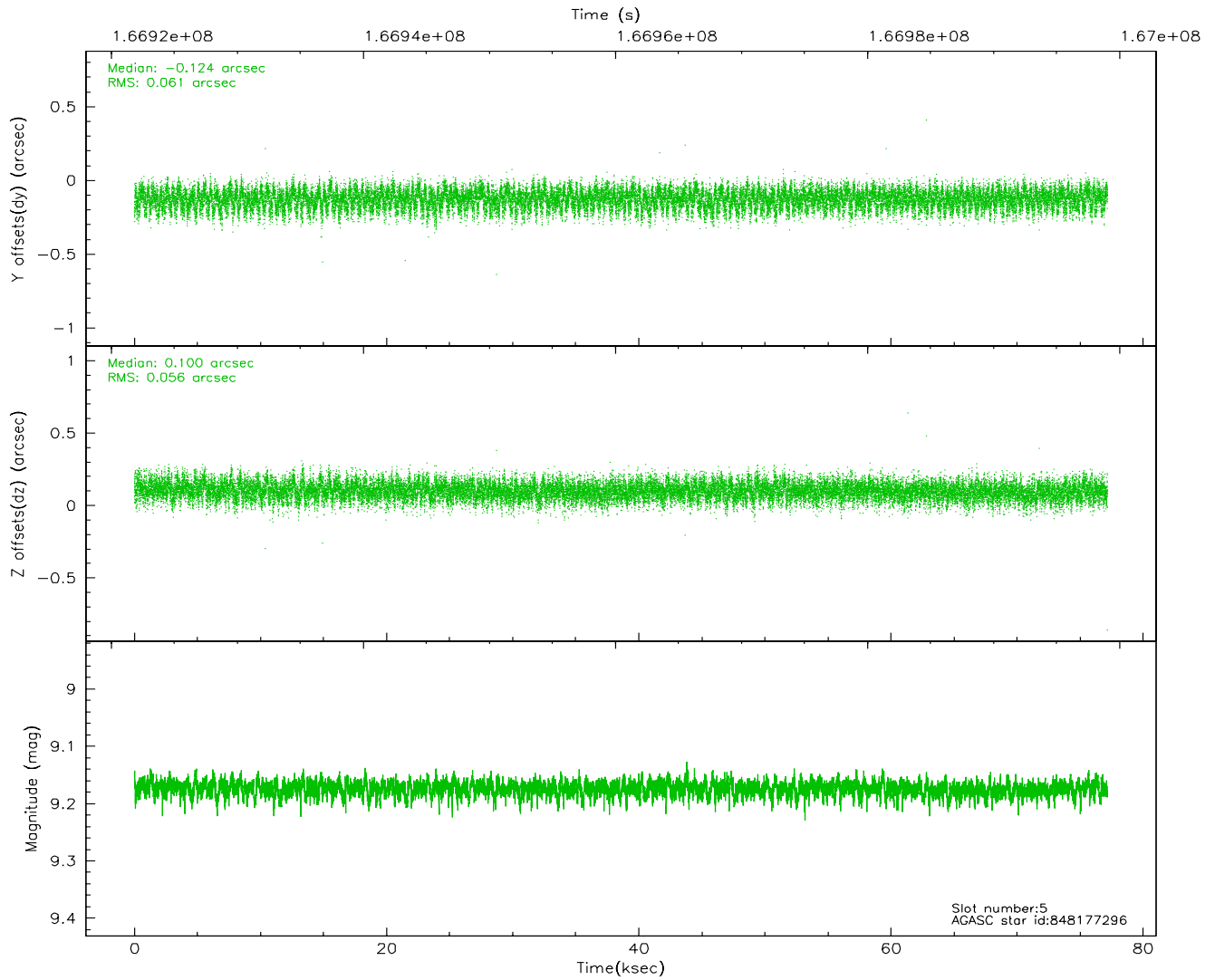
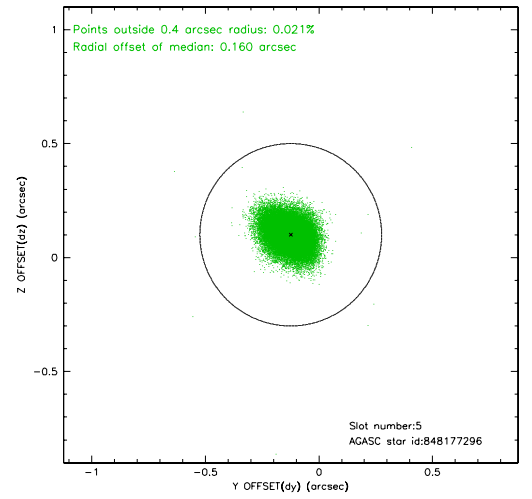
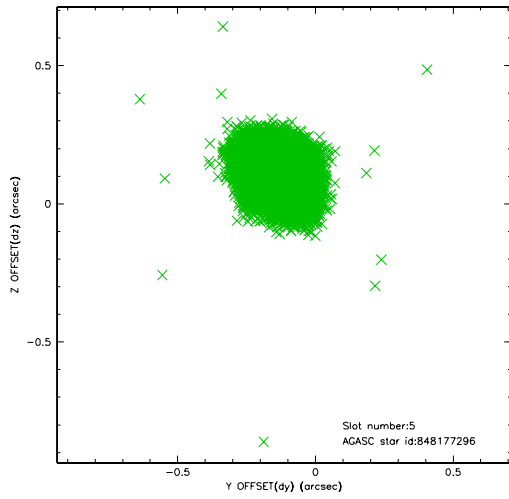
2.4.1 Slot 3



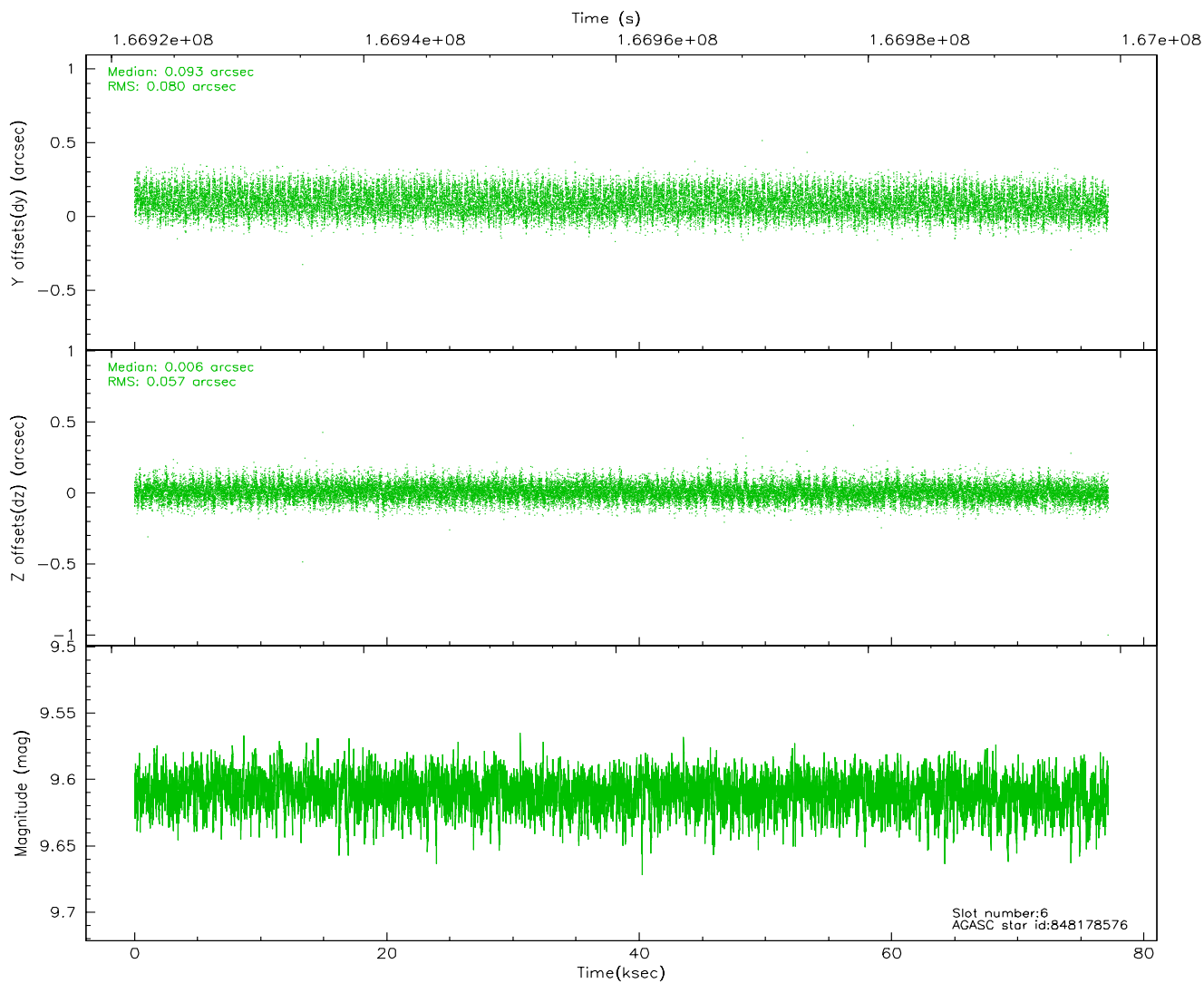
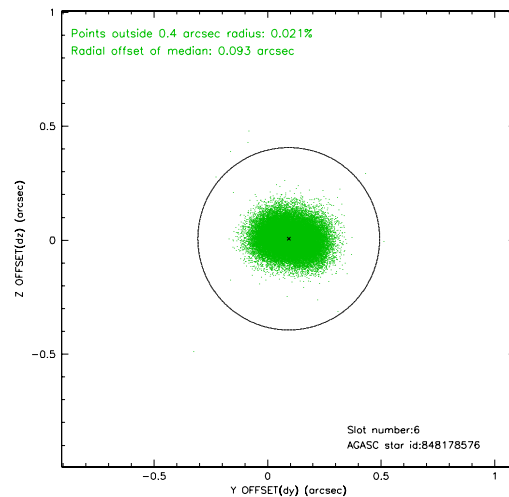
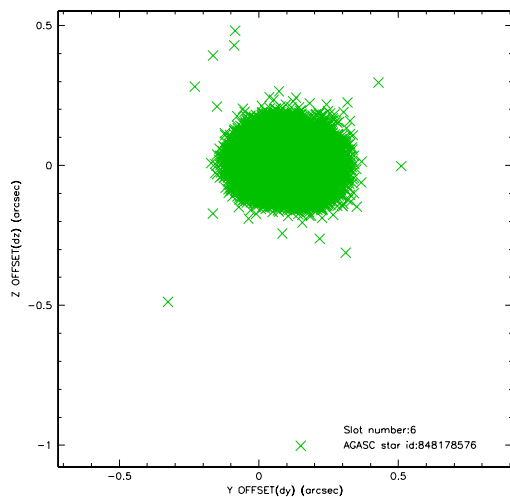
2.4.2 Slot 4



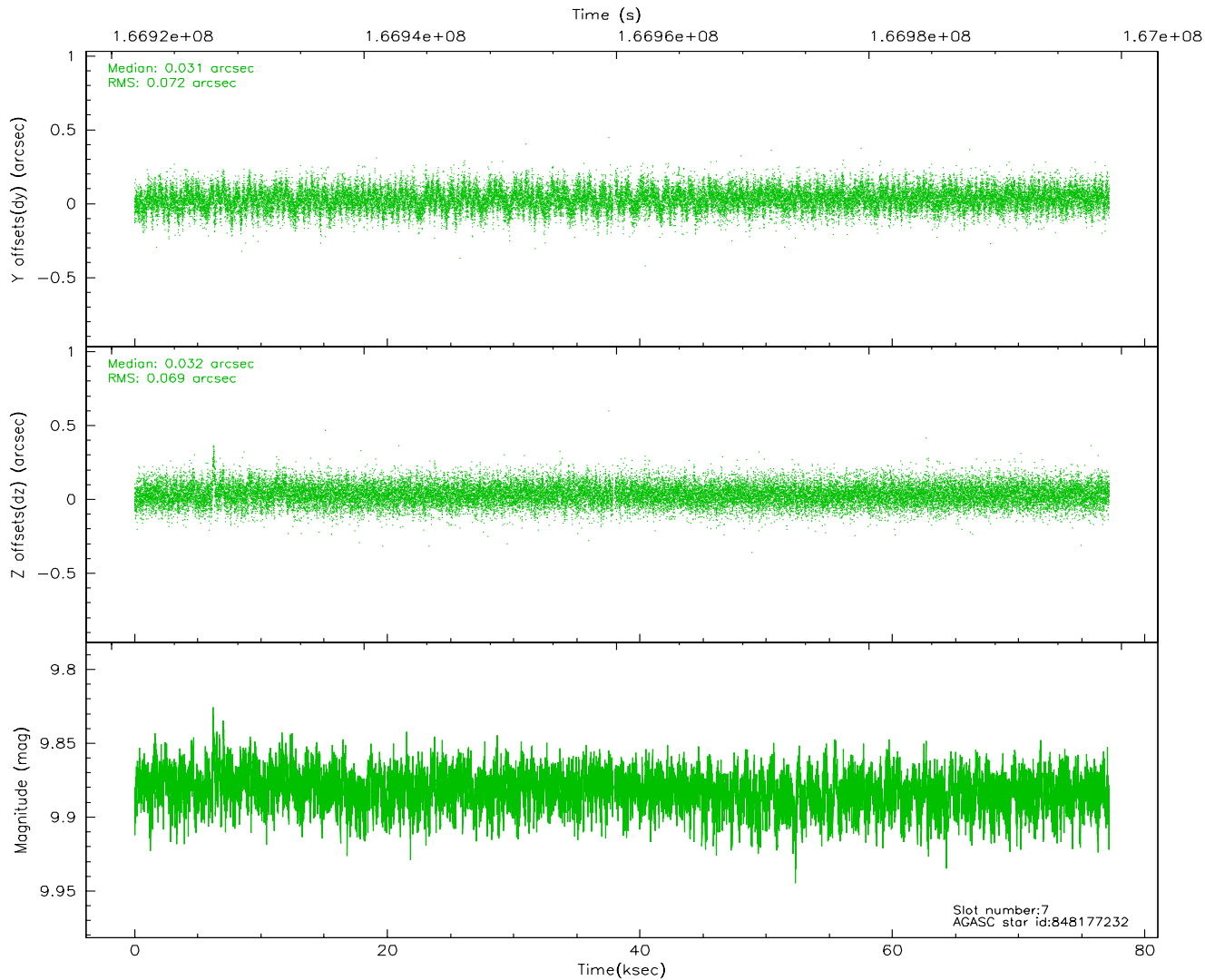
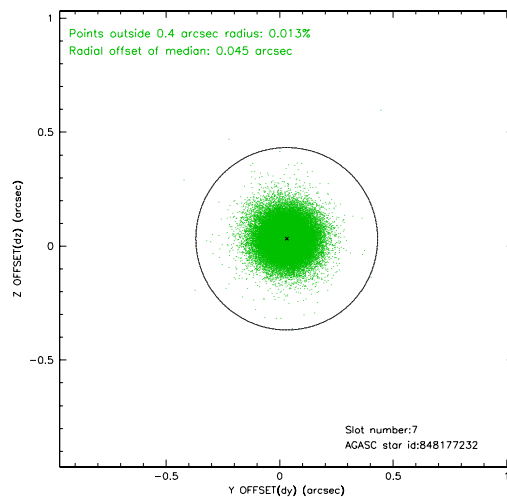
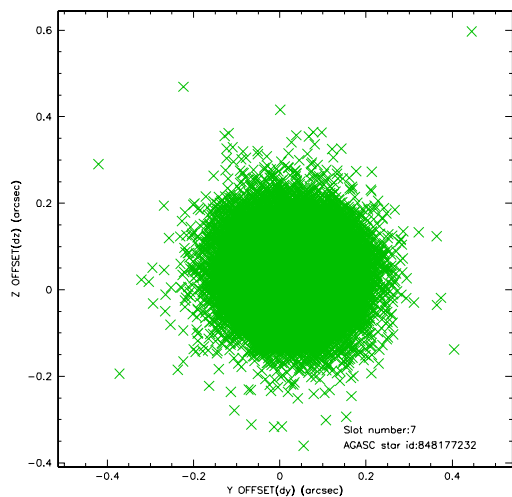
2.4.3 Slot 5



2.4.4 Slot 6

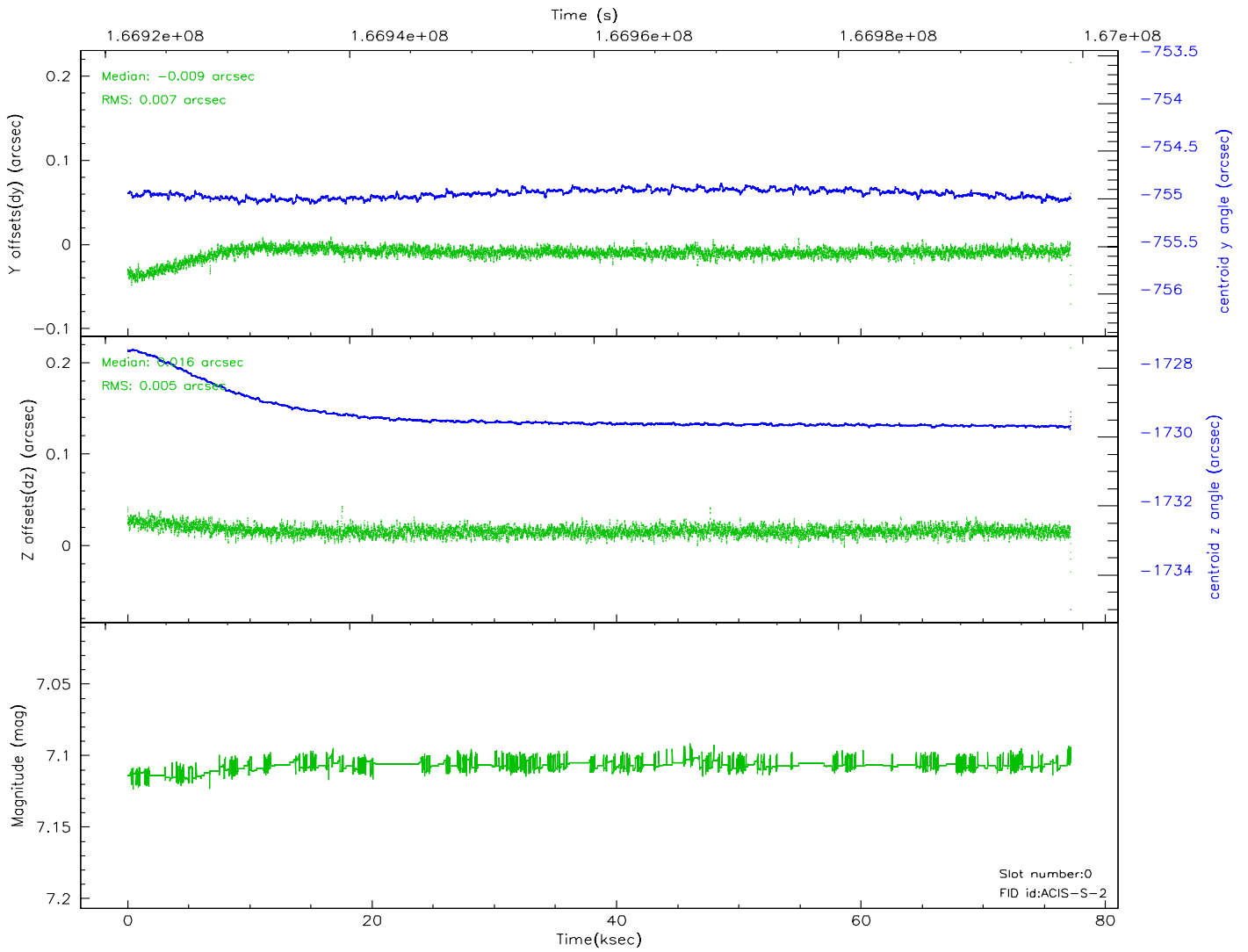
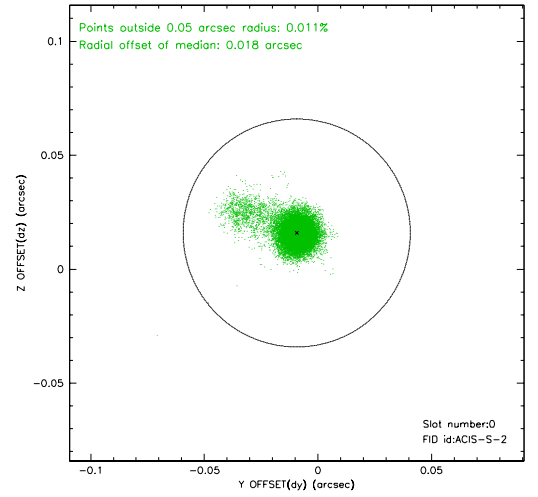
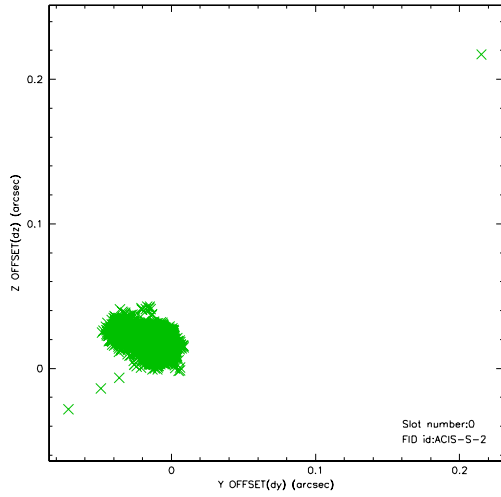


2.4.5 Slot 7

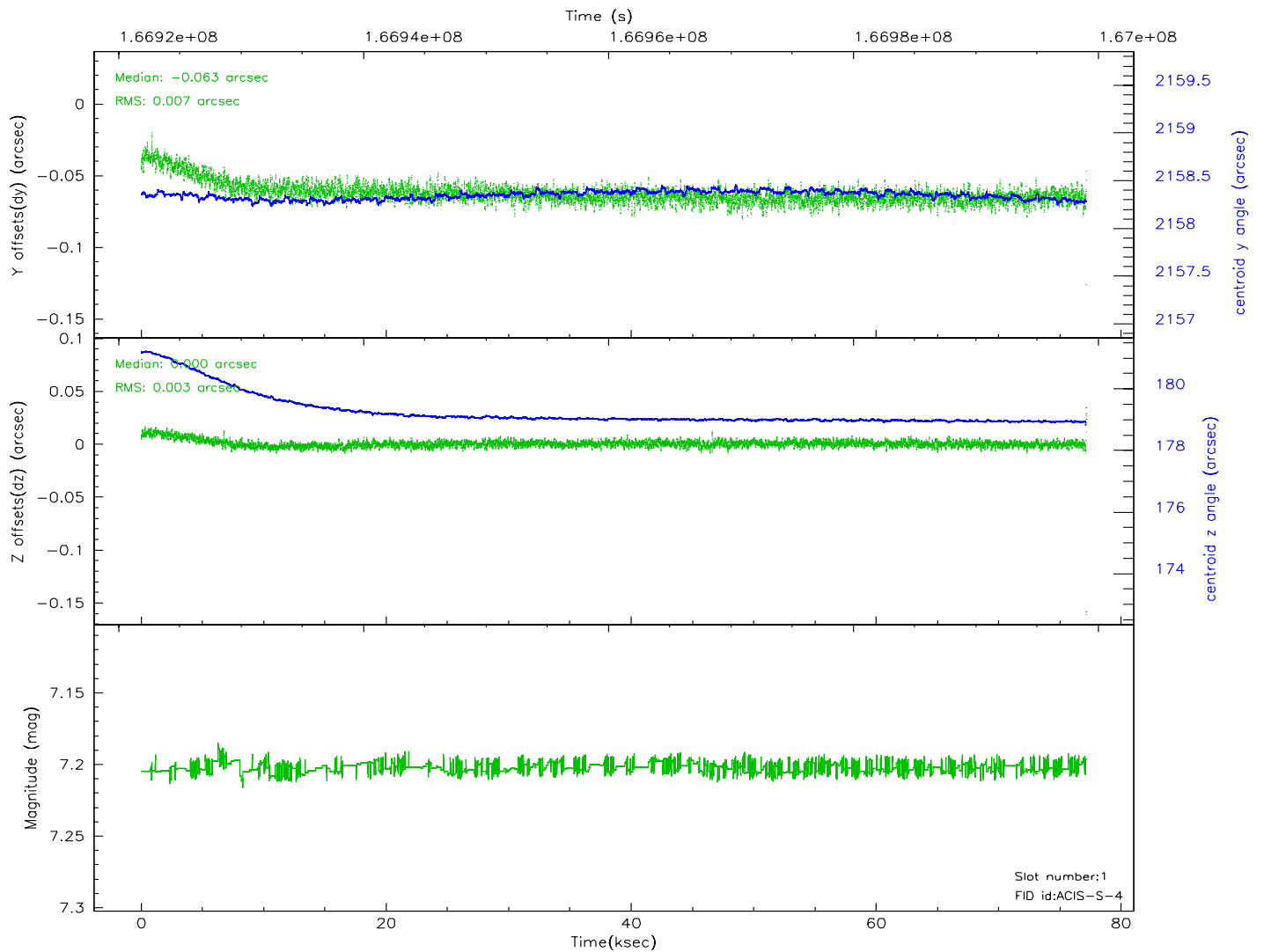
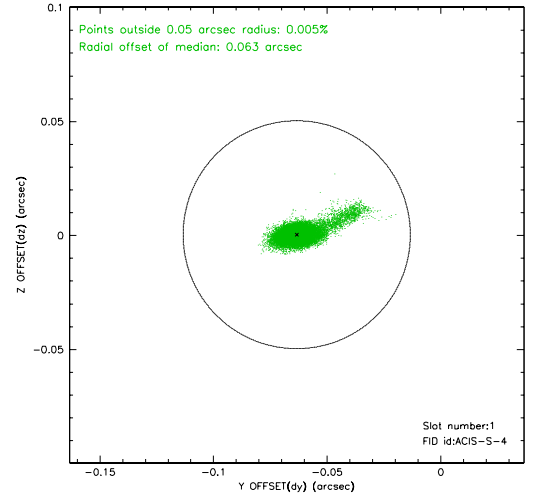
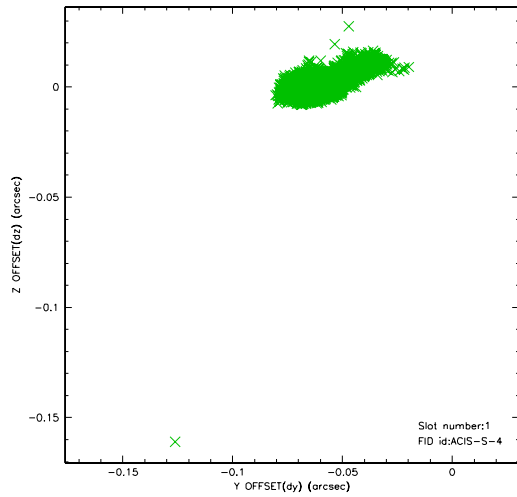


2.5 FID Slots

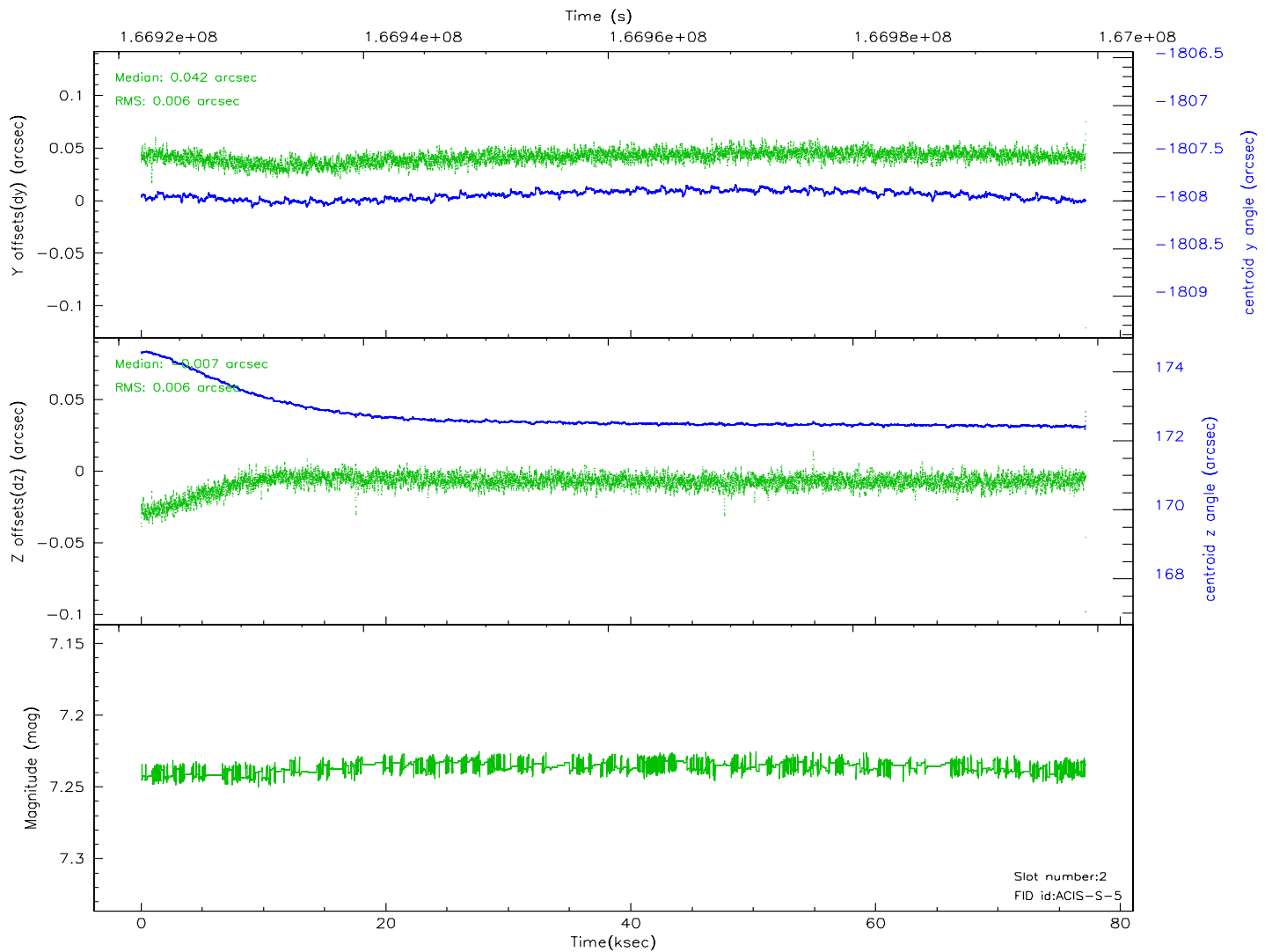
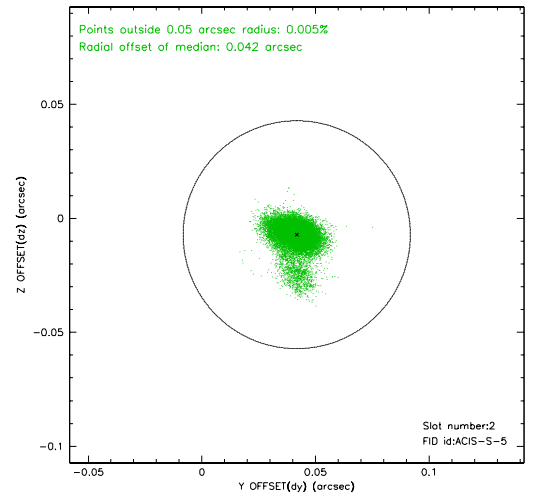
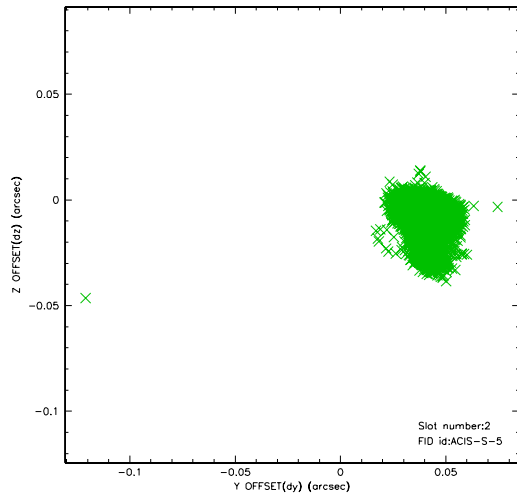
2.5.1 Slot 0



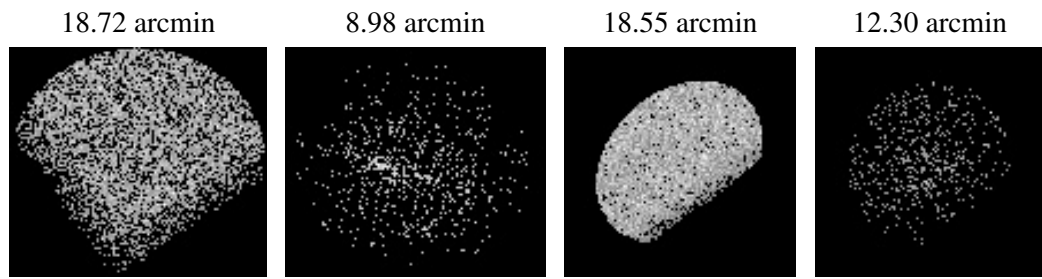
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.08.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	77.171

A.2 Comments

Comments for Obi 0

SIM dz has 118 discontinuities > 0.200 arcsec

SIM dz drift > 5.000 arcsec

This observation was interrupted by safing of the science instruments onboard Chandra due to high solar radiation environment. The observation was interrupted at 2003:107:2036. In this version of the software, a few seconds of data are inadvertently included at the end of the observation after the spacecraft and its components began to move. Therefore, the aspect solution is not entirely correct. Software will be modified to correct this situation as soon as feasible. The aspect solution can be corrected in CIAO by removing data from the end of the *asol.fits file that has a timestamp equal to or later than the above interruption time. The Level 1 event file can be recreated using CIAO and the edited *asol.fits file.