

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6161 - L2 Version 002
Chandra X-Ray Center

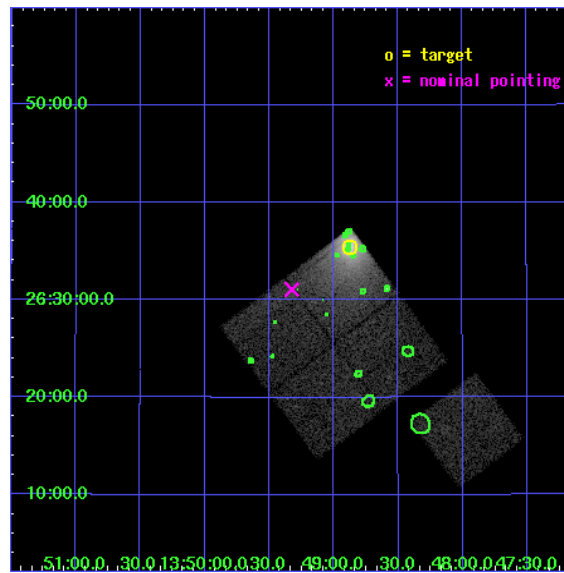
L2 Processing Date : Mar 17 2006

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

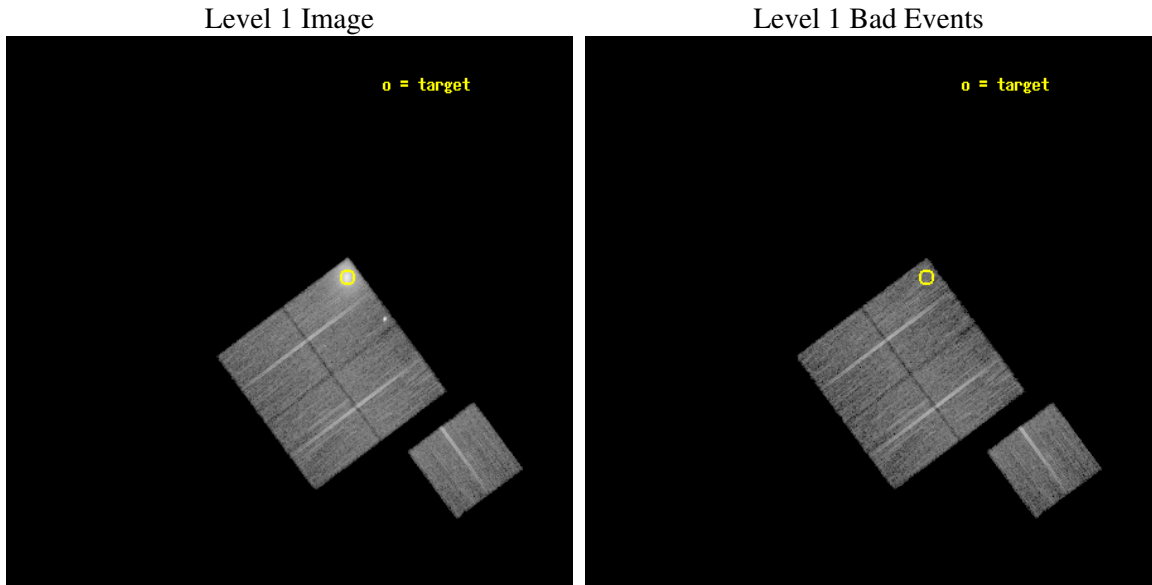
seq_num	890033
obs_id	6161
title	Monitoring the Spatial Variation of the ACIS Contaminant with Abell 1795
observer	Dr. CXC Calibration
object	A1795
dtcycle	0
cycle	P
ra_targ	207.219583
dec_targ	26.590833
ra_nom	207.33106532379
dec_nom	26.51816892201
roll_nom	143.275246325
revision	2
ontime	13770.199973524
livetime	13590.282173396
ontime0	13770.199973524
ontime1	13770.199973524
ontime2	13770.199973524
ontime3	13763.917973131
ontime6	13770.199973524
l2events	102494



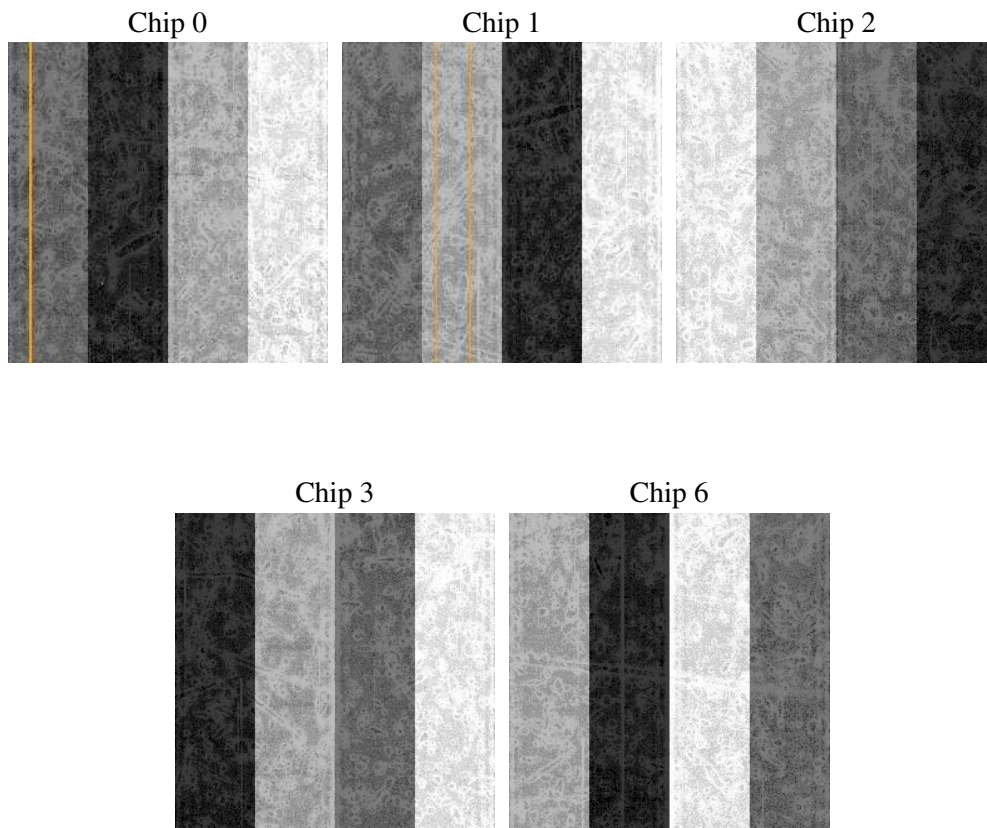
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-17T17:28:49
revision	2

sched_exp_time	14000.000000
ontime	13776.485615104
ontime0	13776.485615104
ontime1	13776.485615134
ontime2	13776.485635012
ontime3	13770.203594834
ontime6	13776.485615104
l1events	494532

2.1.4 Events

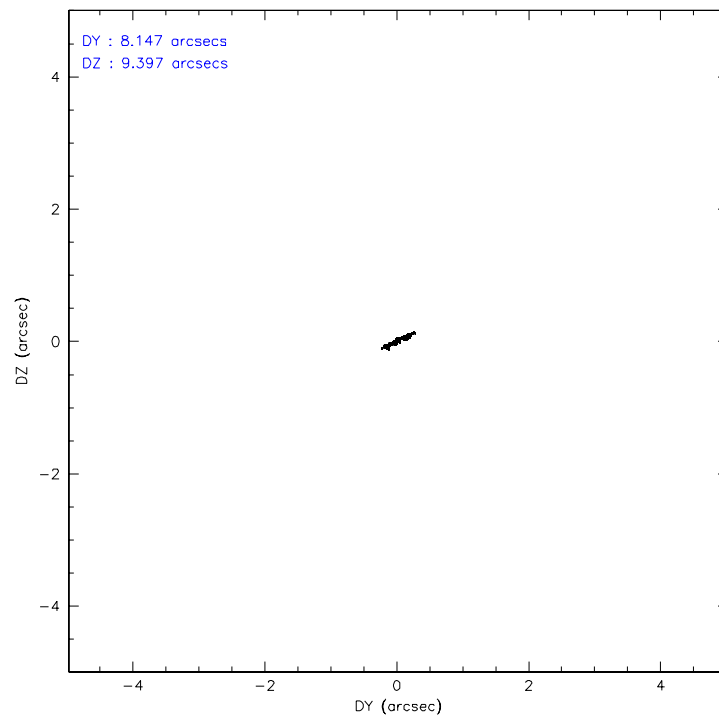
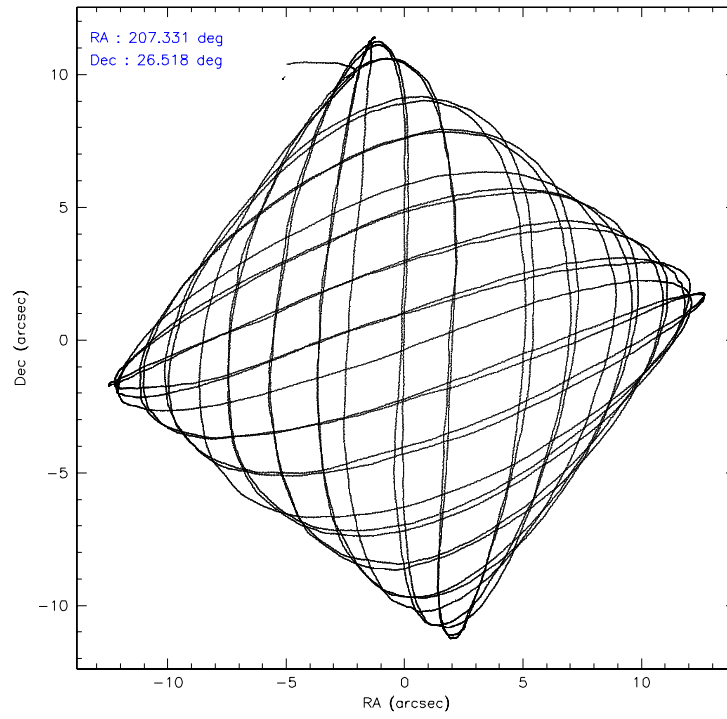
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	152201	81074	92094	84716	84447
rejected events	75195	70374	82378	76307	75844
rejected %	49%	86%	89%	90%	89%

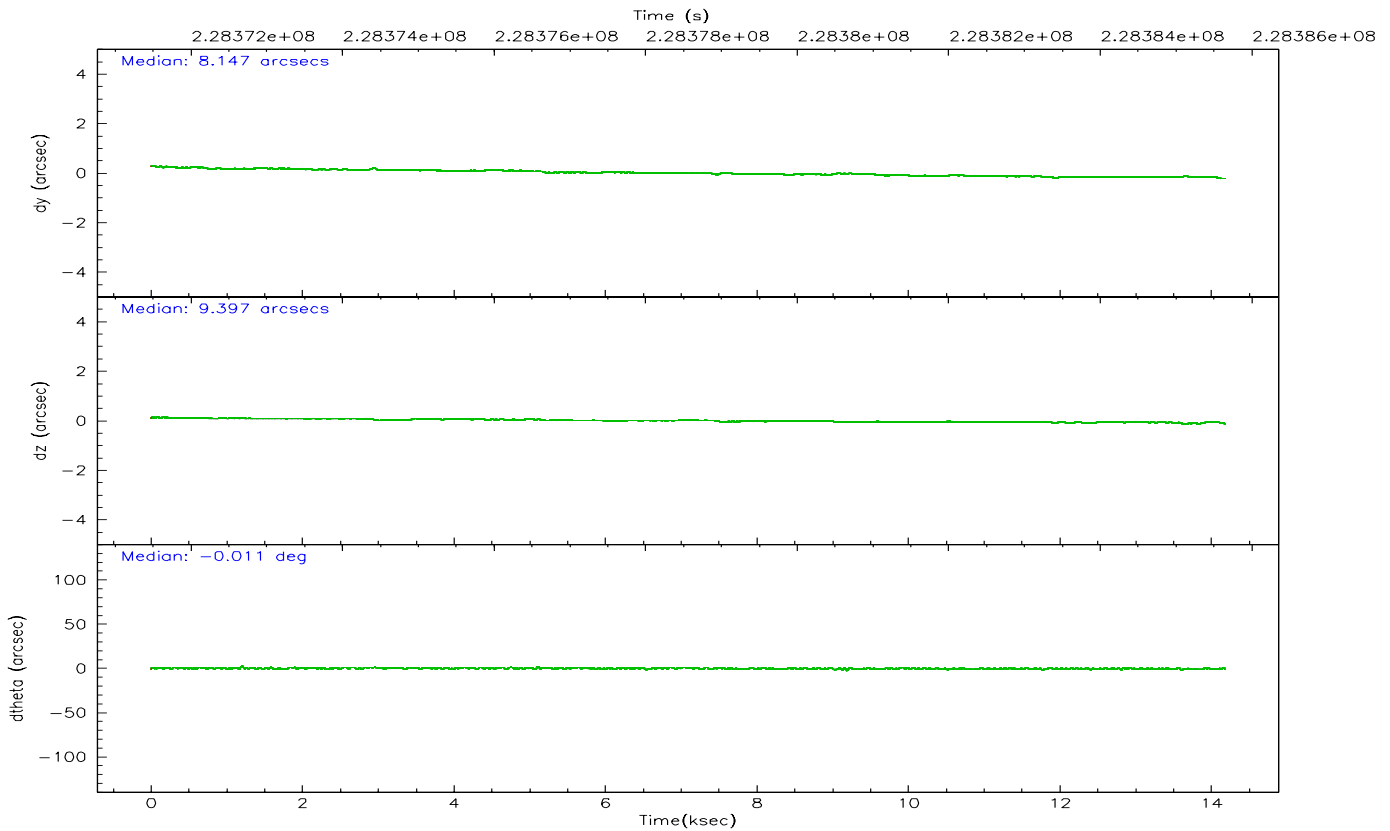
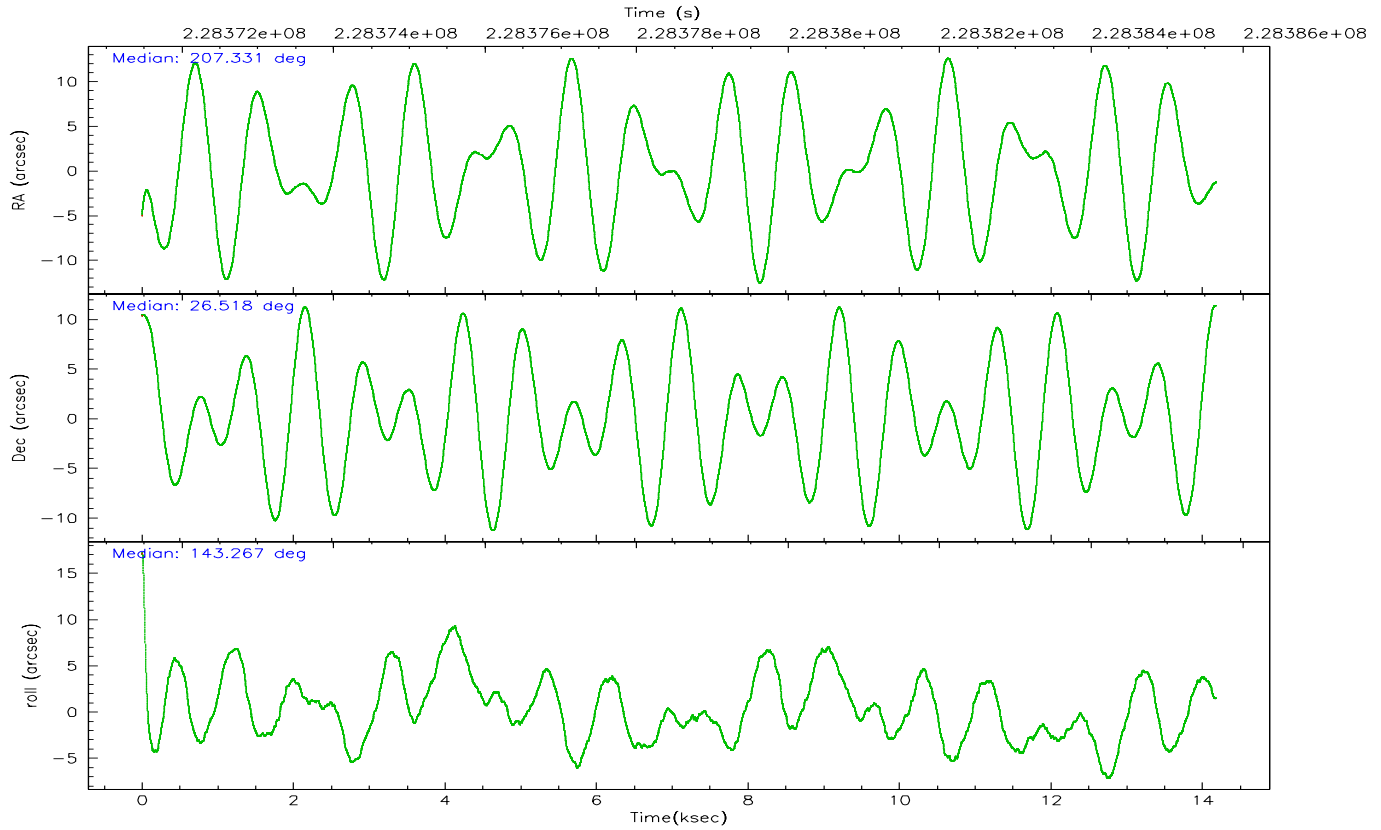
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	58124	4293	4071	3065	3002
	38%	5%	4%	3%	3%
grade 1 events	279	52	47	45	29
	0%	0%	0%	0%	0%
grade 2 events	9012	2160	2067	1794	1806
	5%	2%	2%	2%	2%
grade 3 events	3140	1107	974	950	964
	2%	1%	1%	1%	1%
grade 4 events	3118	1127	955	906	968
	2%	1%	1%	1%	1%
grade 5 events	3292	3361	2858	3272	3266
	2%	4%	3%	3%	3%
grade 6 events	3651	2016	1655	1696	1863
	2%	2%	1%	2%	2%
grade 7 events	71585	66958	79467	72988	72549
	47%	82%	86%	86%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	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	207.361487	207.3310653237896	Alternating exposures requested	N	N
Pointing Dec	26.515064	26.51816892201042	Primary exposure time	0.000000	3.1
Pointing Roll	143.052966	143.275246325			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-256.092463	-256.0955850403938			
SIM translation stage offset (mm)	22.5	22.50313203746413			
Observation start time	228371654.184000	228370530.09878			
Observation start date	2005-03-28T04:33:10	2005-03-28T04:15:30			
Observation end time	228385654.184000	228385787.73698			
Observation end date	2005-03-28T08:26:30	2005-03-28T08:29:47			
Read mode	TIMED	TIMED			

2.3 Aspect



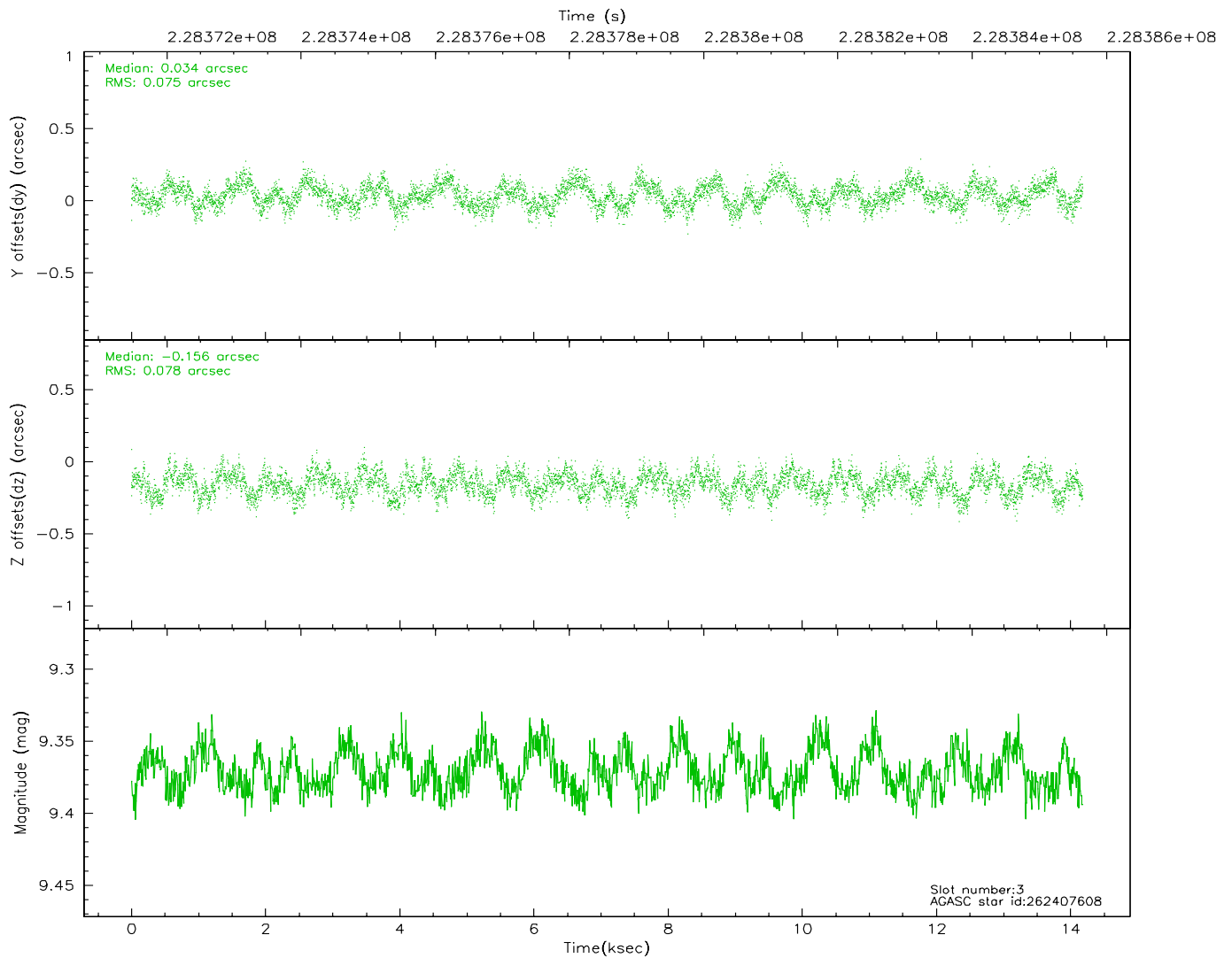
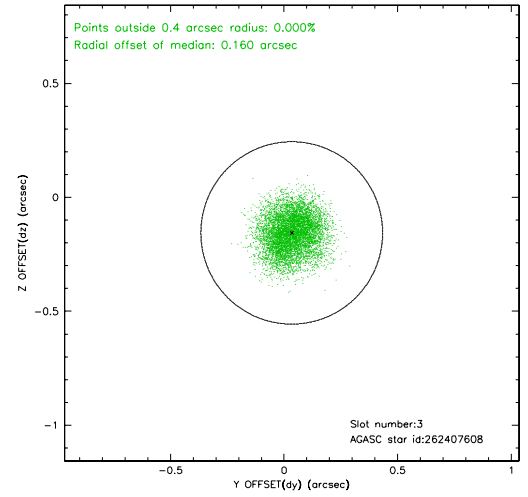
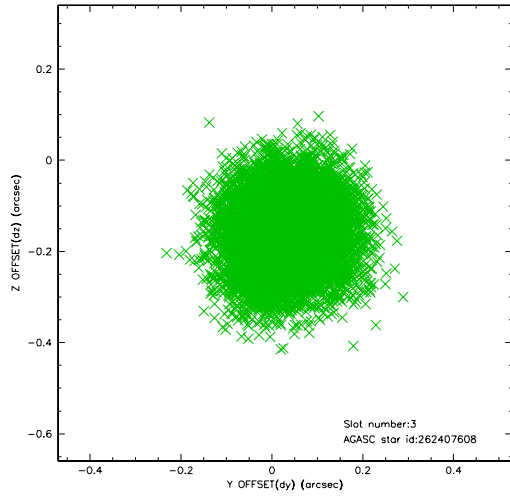


Slot Statistics

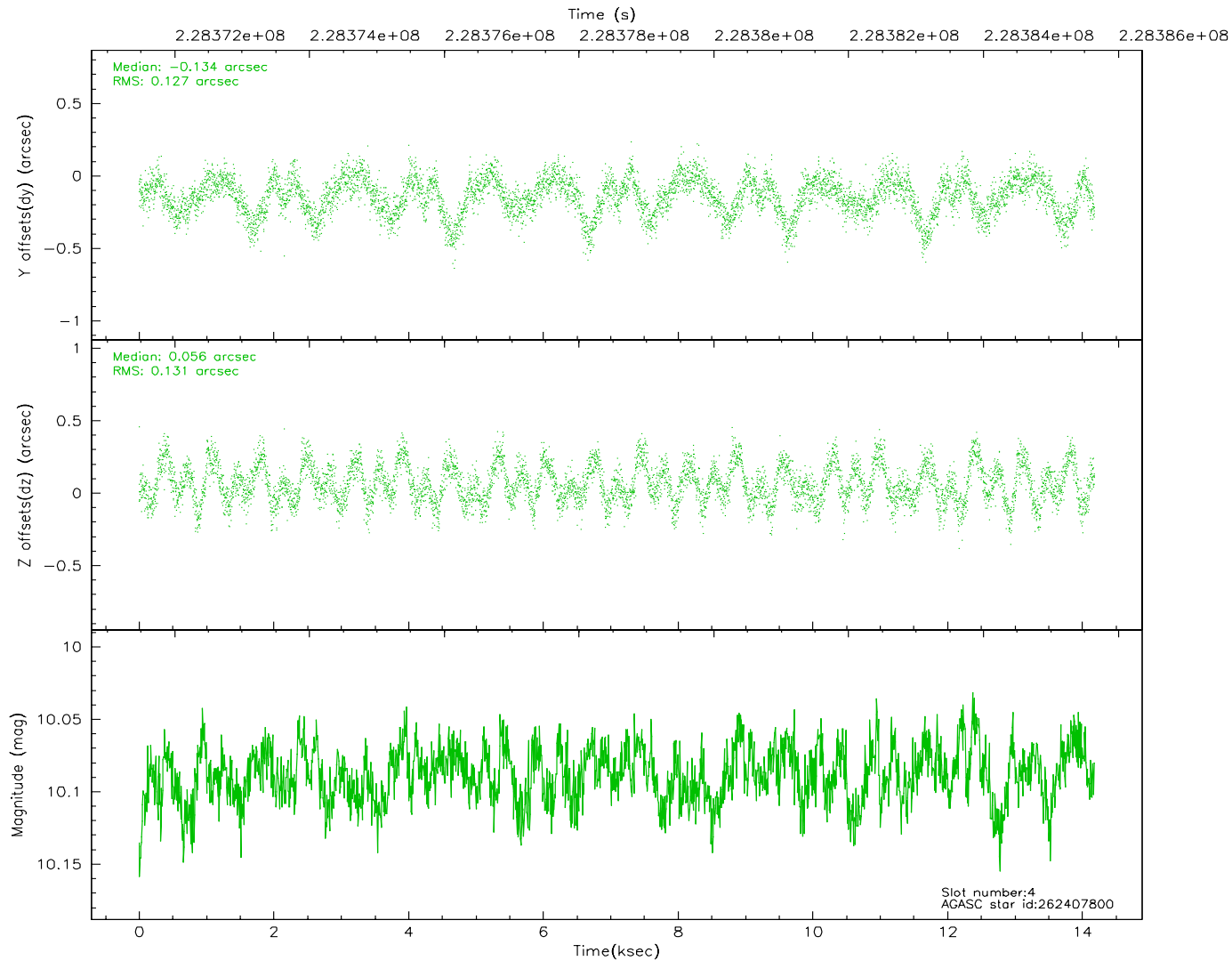
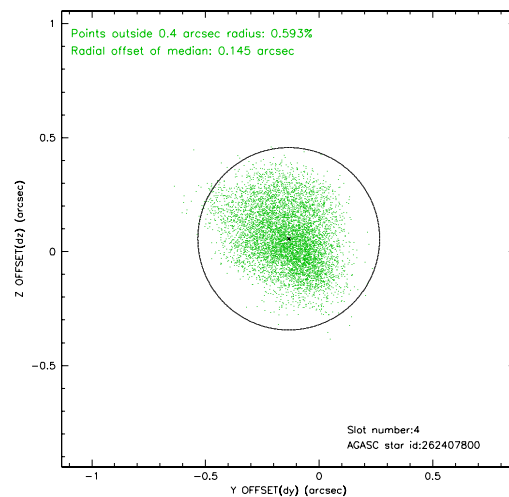
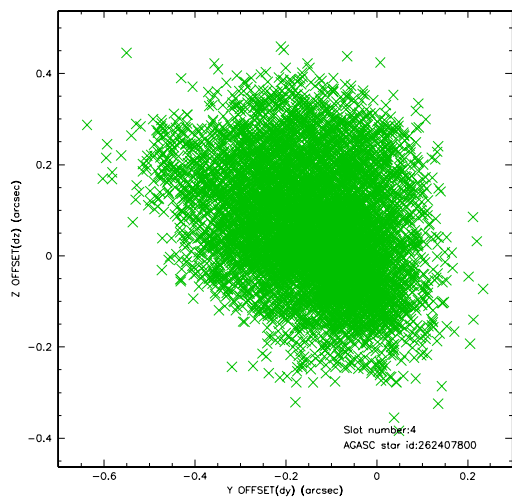
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.27	3459	0.098	-0.684	0.010	0.017	0.000000	0.000000	-761.08	-379.71
1	FID	ACIS-I-5	7.24	3459	-0.153	0.509	0.008	0.014	0.000000	0.000000	-1816.90	1527.16
2	FID	ACIS-I-6	7.25	3460	-0.038	0.242	0.007	0.012	0.000000	0.000000	396.72	2172.11
3	GUIDE	262407608	9.37	6914	0.034	-0.156	0.119	0.180	207.378401	26.435507	-215.52	196.13
4	GUIDE	262407800	10.09	6912	-0.134	0.056	0.199	0.310	207.321181	27.251762	1698.33	-2040.79
5	GUIDE	262408096	9.34	6915	0.007	-0.001	0.115	0.182	207.011678	26.515421	902.88	675.16
6	GUIDE	262408936	9.65	6913	0.128	0.105	0.128	0.207	207.154731	26.726554	989.70	-208.76
7	GUIDE	262411960	9.66	6912	-0.010	-0.007	0.114	0.185	207.327895	25.881727	-1283.39	1887.58

2.4 Star Slots

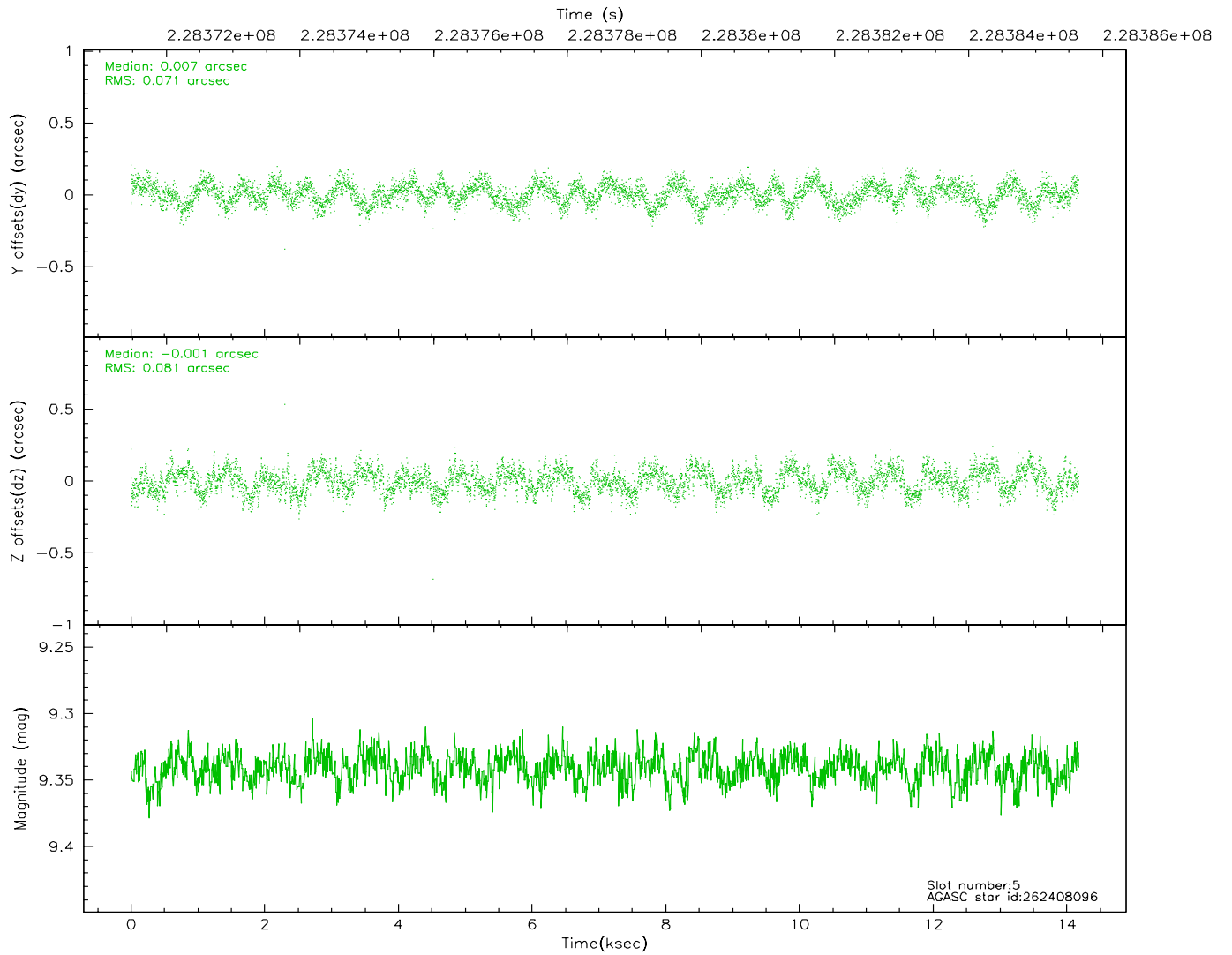
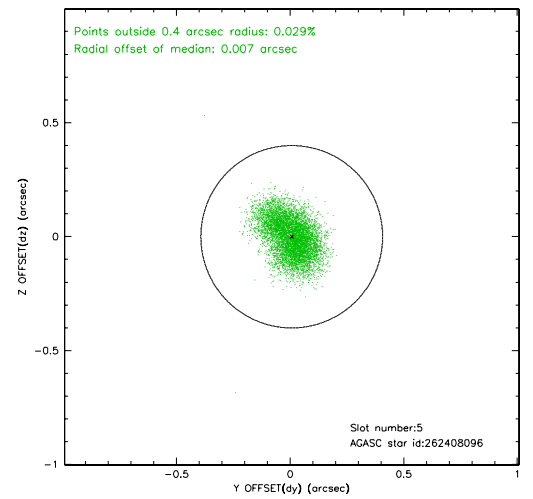
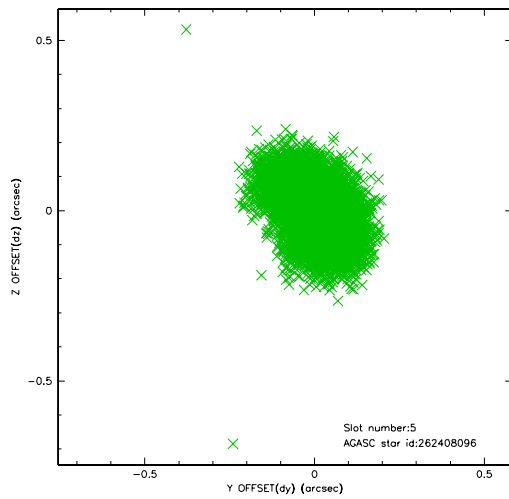
2.4.1 Slot 3



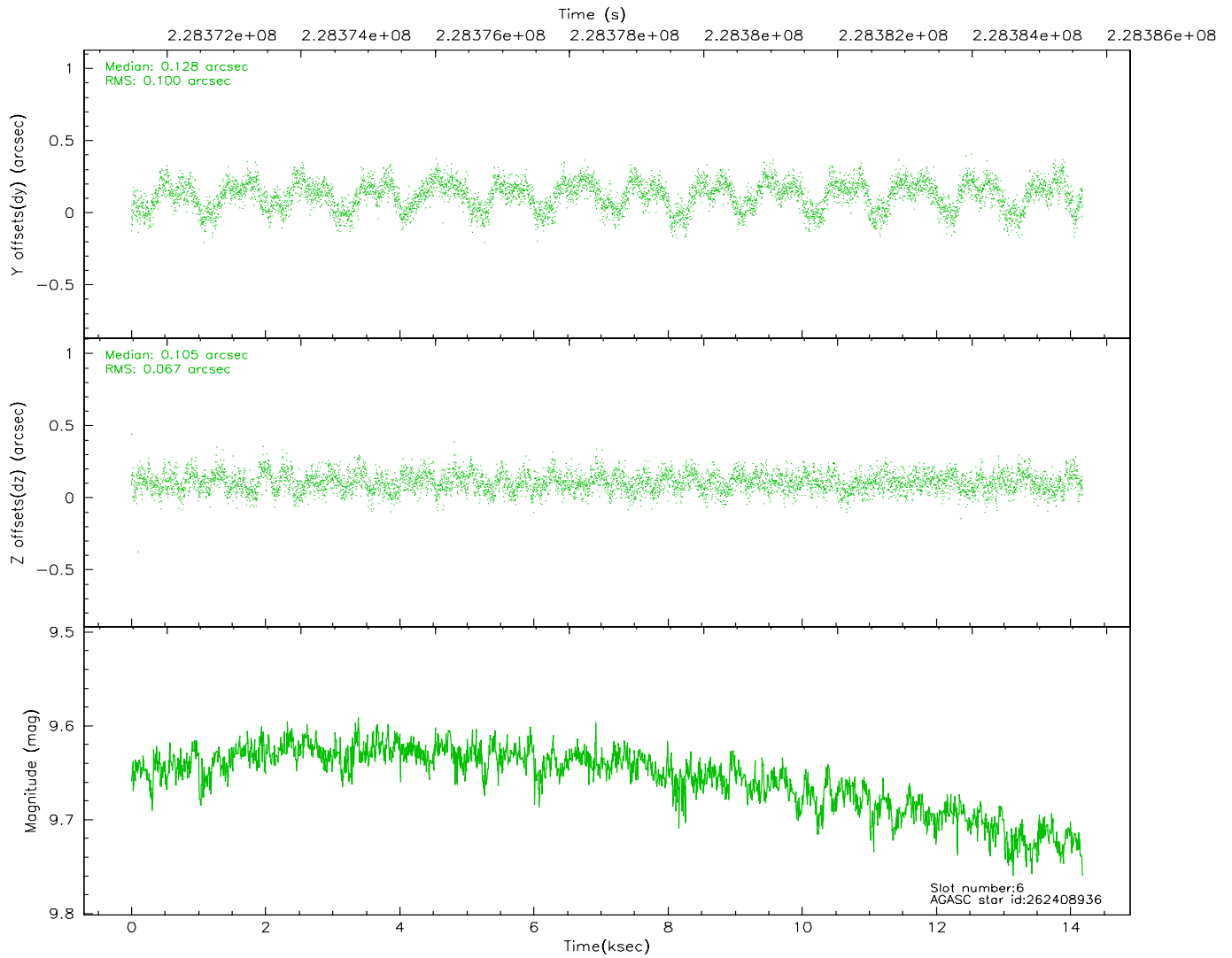
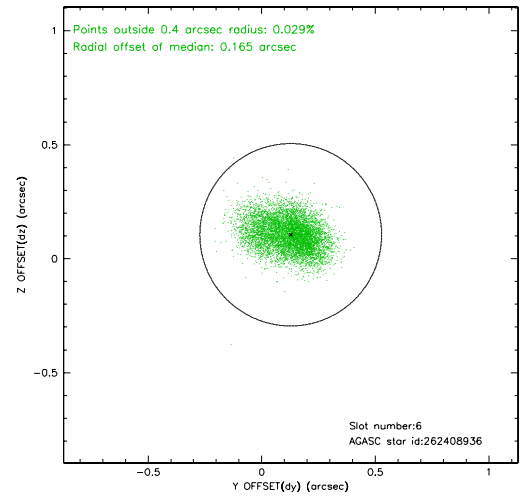
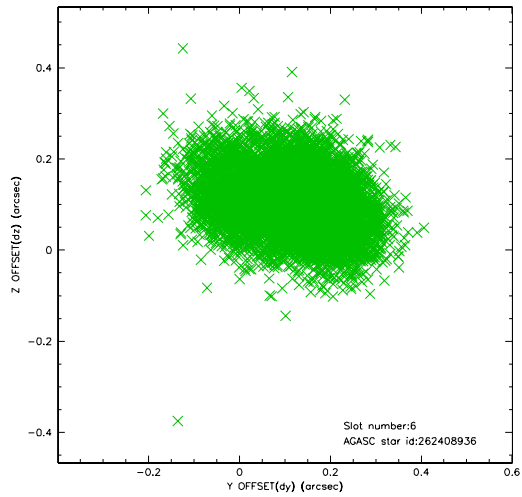
2.4.2 Slot 4



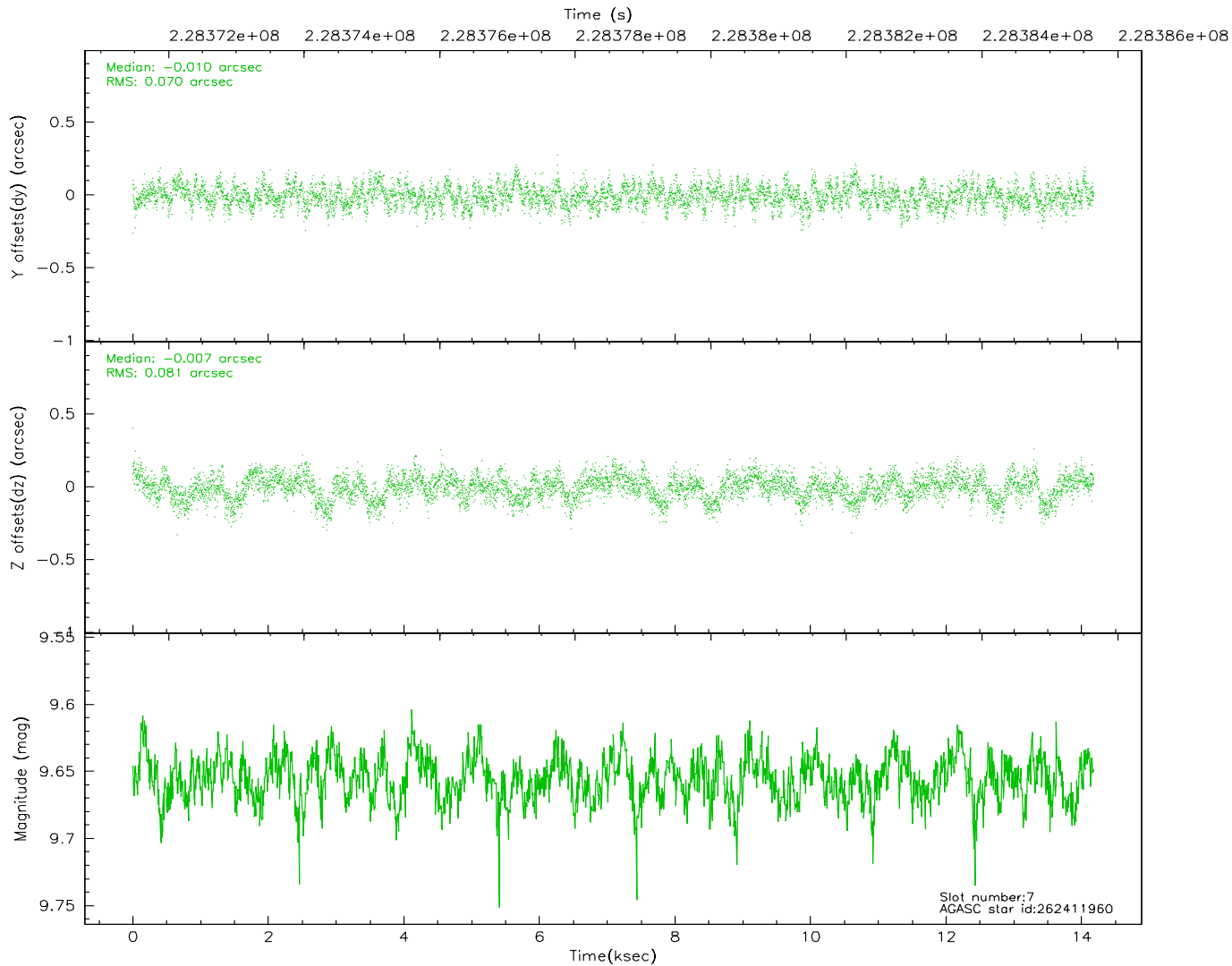
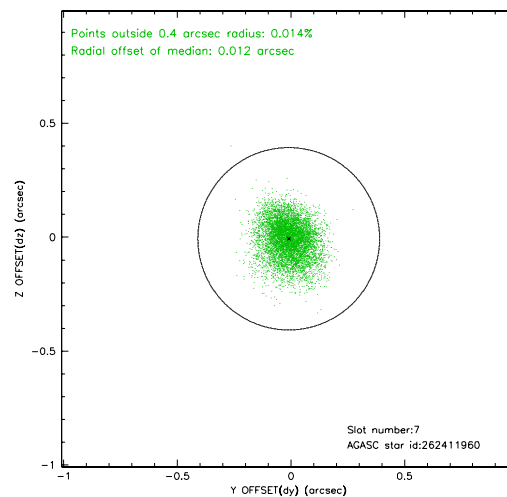
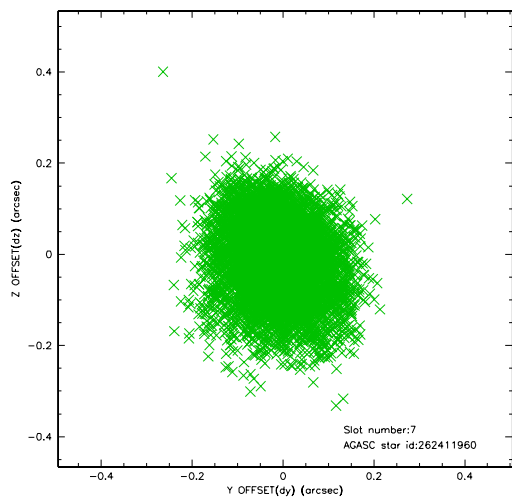
2.4.3 Slot 5



2.4.4 Slot 6

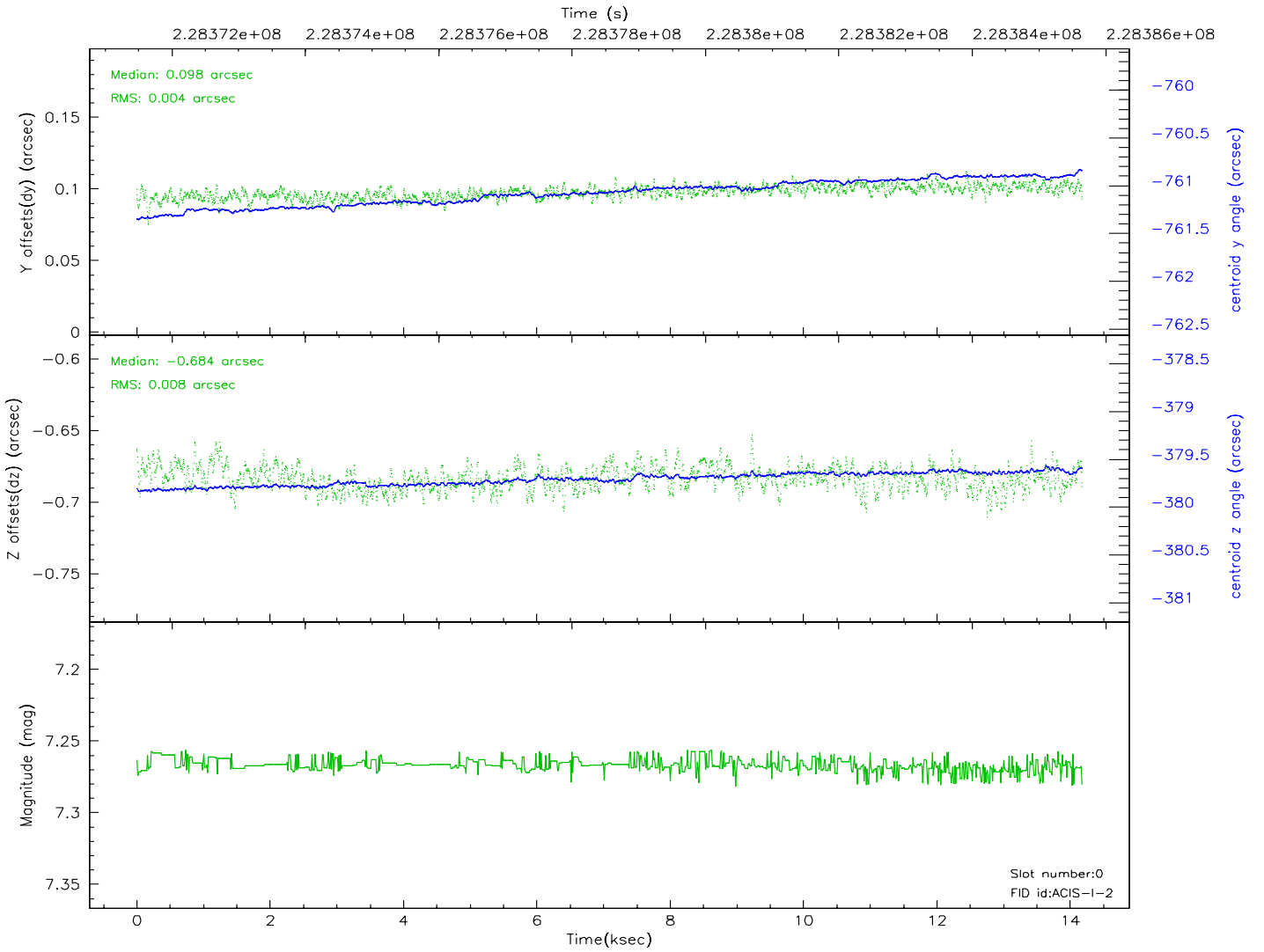
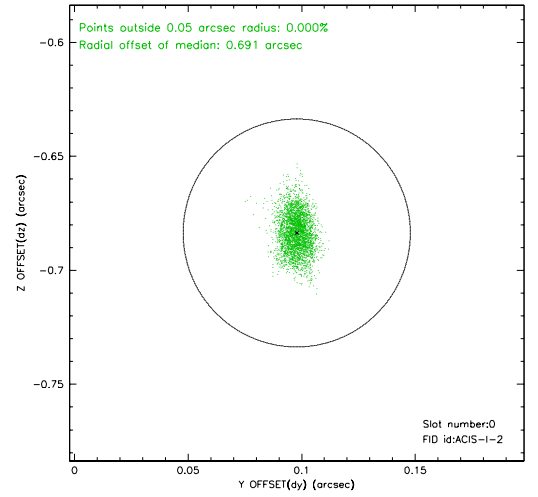
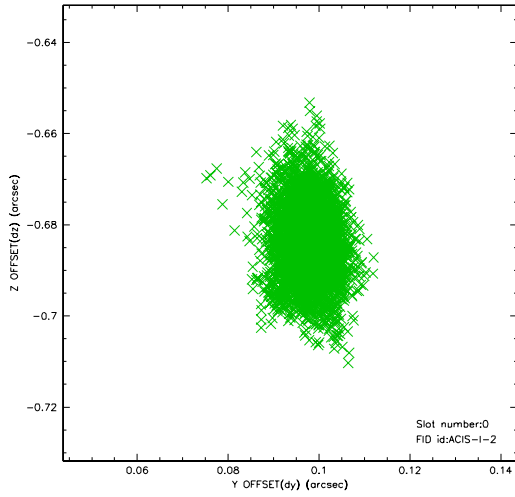


2.4.5 Slot 7

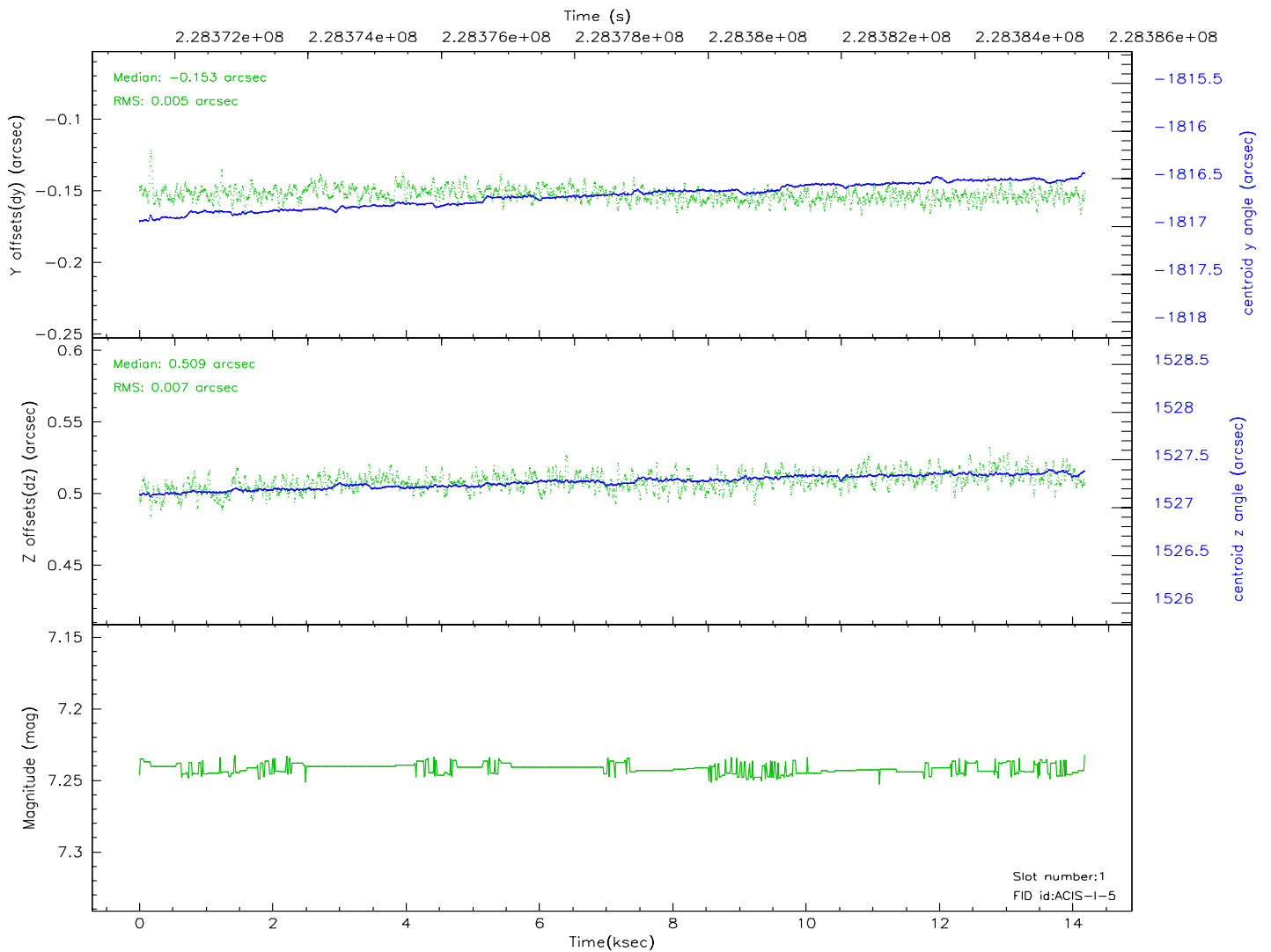
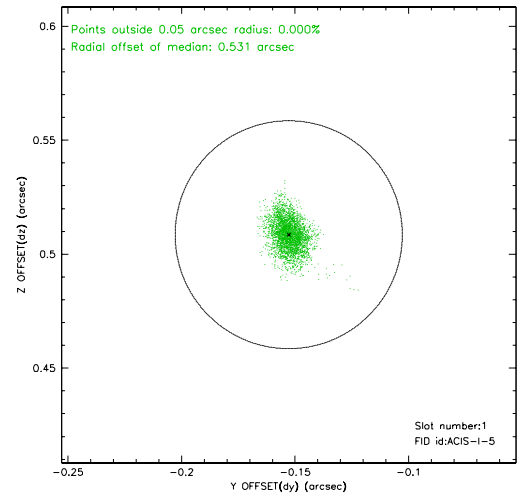
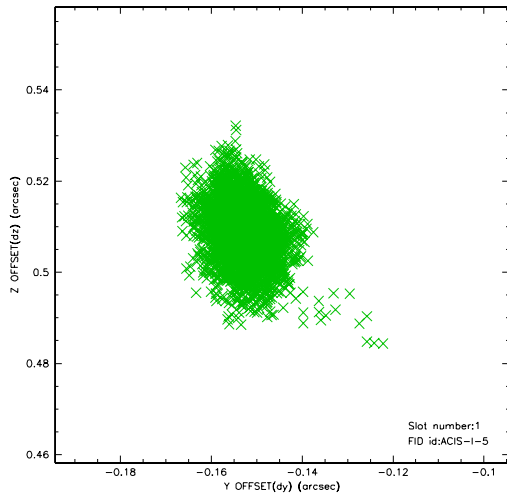


2.5 FID Slots

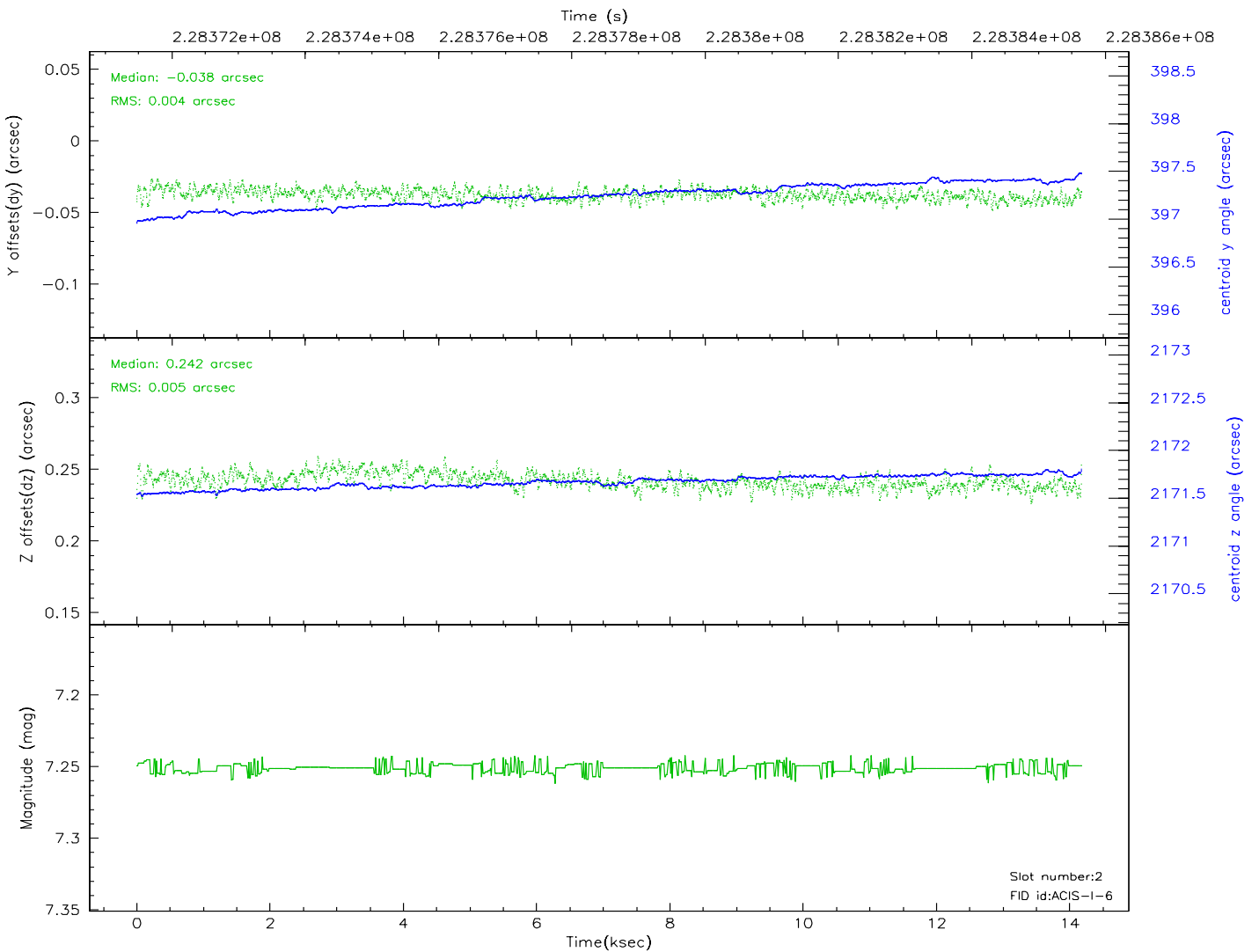
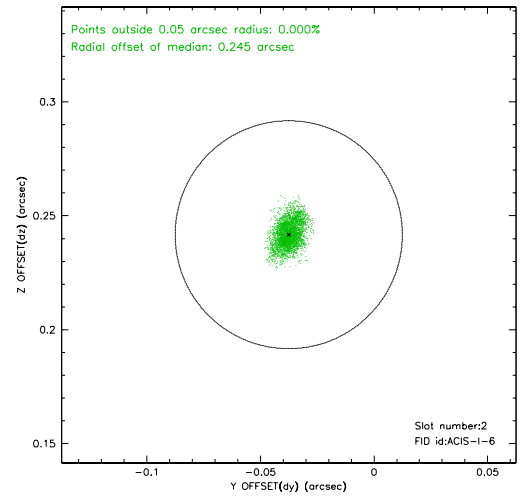
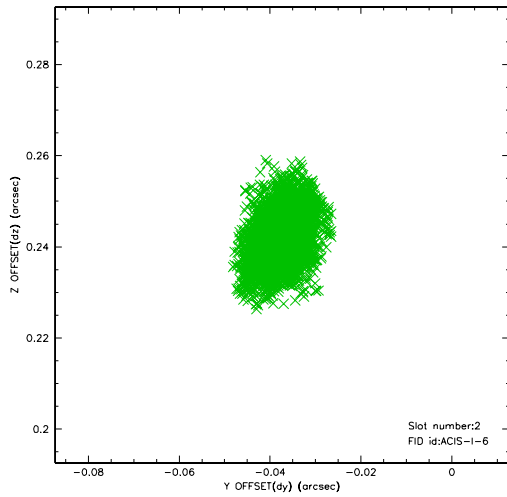
2.5.1 Slot 0



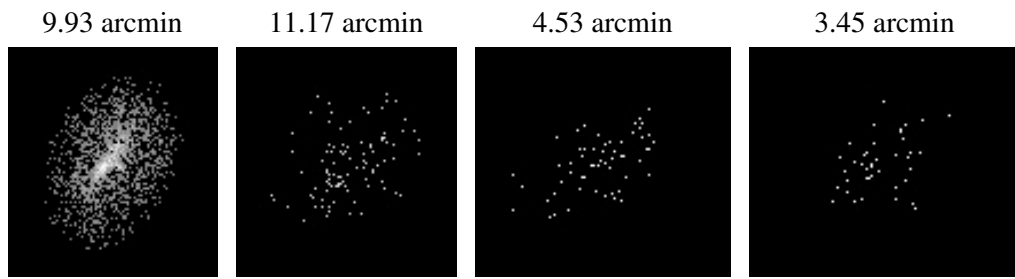
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.77

A.2 Comments

Comments for Obi 0

Fid in slot 0 radial offset > 0.400000 arcsec

Fid in slot 1 radial offset > 0.400000 arcsec

For large SIM-Z offset (22.5mm) the fid radial offsets can be large. This is because their apparent position (relative to each other) shifts when the SIM is translated.