

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5929 - L2 Version 002
Chandra X-Ray Center

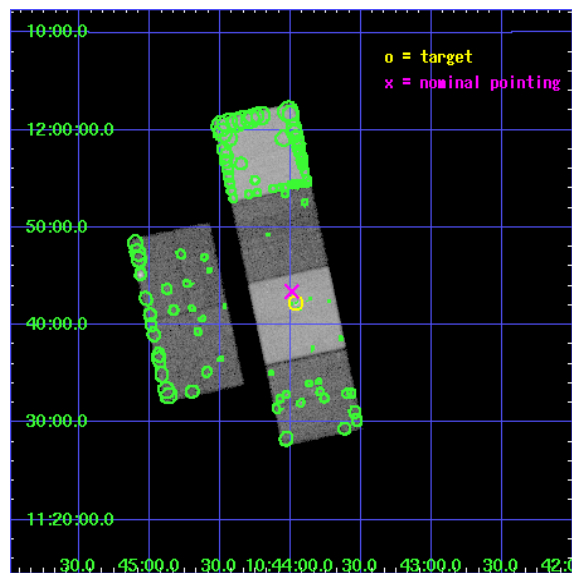
L2 Processing Date: Feb 21 2006

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1 Front

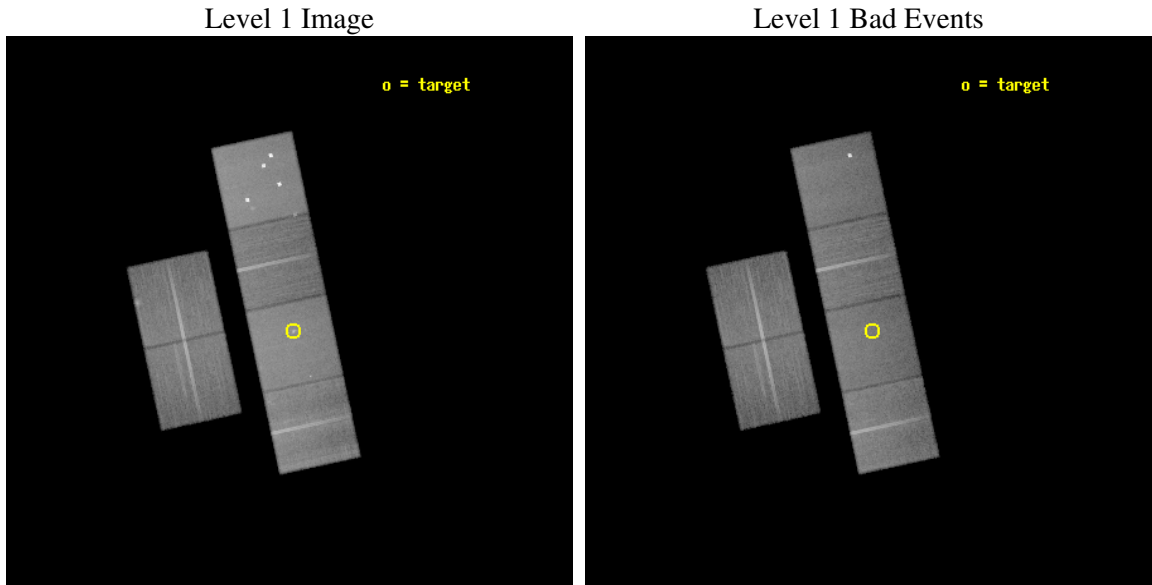
seq_num	600448
obs_id	5929
title	X-rays and Galactic Structure
observer	Dr. Douglas Swartz
object	NGC 3351
dtcycle	0
cycle	P
ra_targ	160.991667
dec_targ	11.704167
ra_nom	160.99782316414
dec_nom	11.724029409707
roll_nom	77.892387332394
revision	2
ontime	39958.399851143
livetime	39452.422532168
ontime2	39958.399851143
ontime3	39958.399851143
ontime5	39958.399851143
ontime6	39955.158860862
ontime7	39958.399851143
ontime8	39958.399851143
l2events	457318



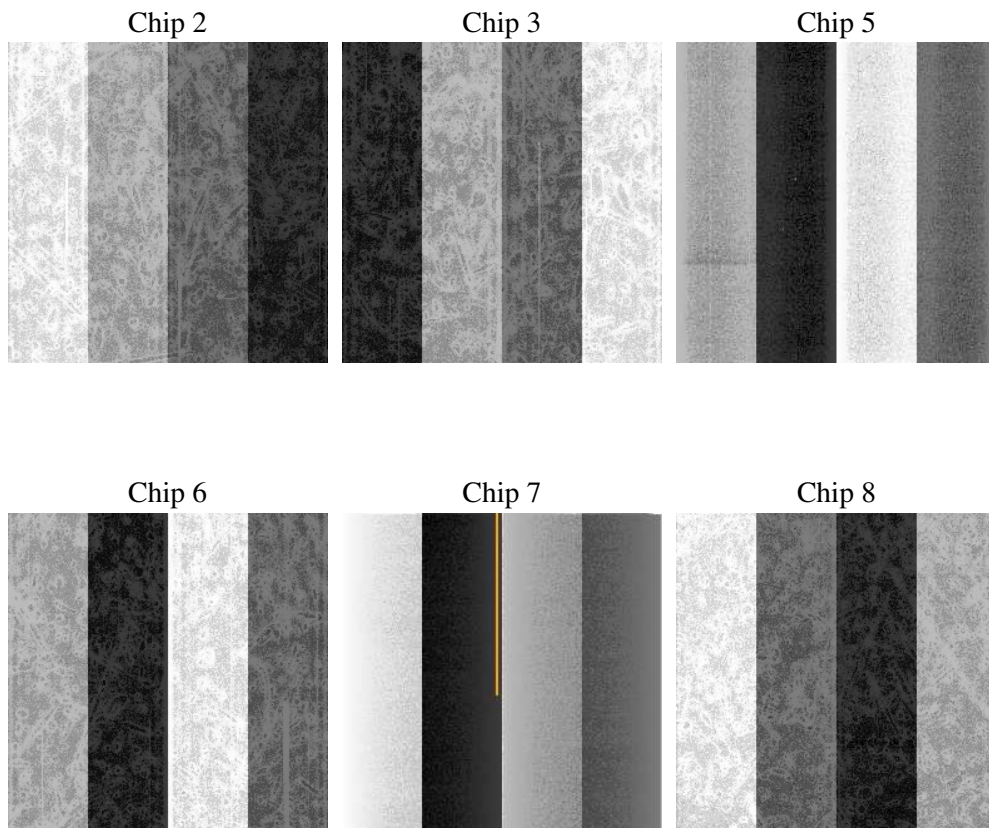
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7
caldsver	3.2.1
date	2006-02-22T02:22:44
revision	2

sched_exp_time	40000.000000
ontime	39964.918297738
ontime2	39964.91827783
ontime3	39964.918297738
ontime5	39964.918297738
ontime6	39961.677287549
ontime7	39964.918297738
ontime8	39964.91827783
l1events	2091149

2.1.4 Events

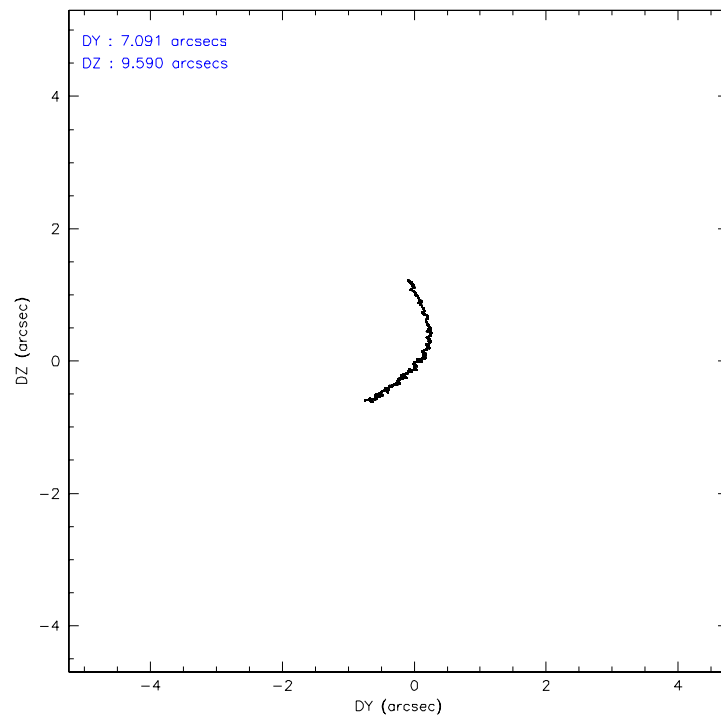
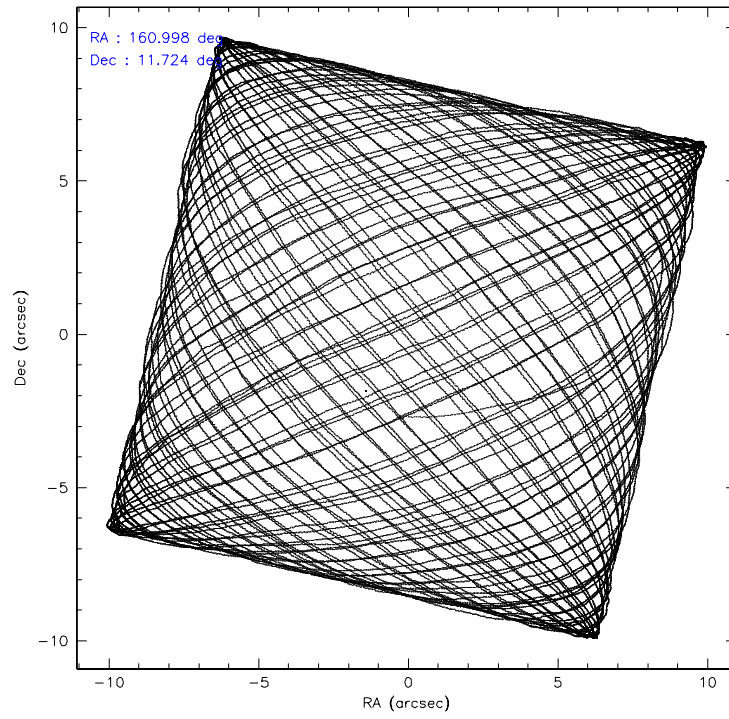
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	293618	279124	467607	288697	396218	365885
rejected events	257613	245011	247815	253881	243003	284791
rejected %	87%	87%	52%	87%	61%	77%

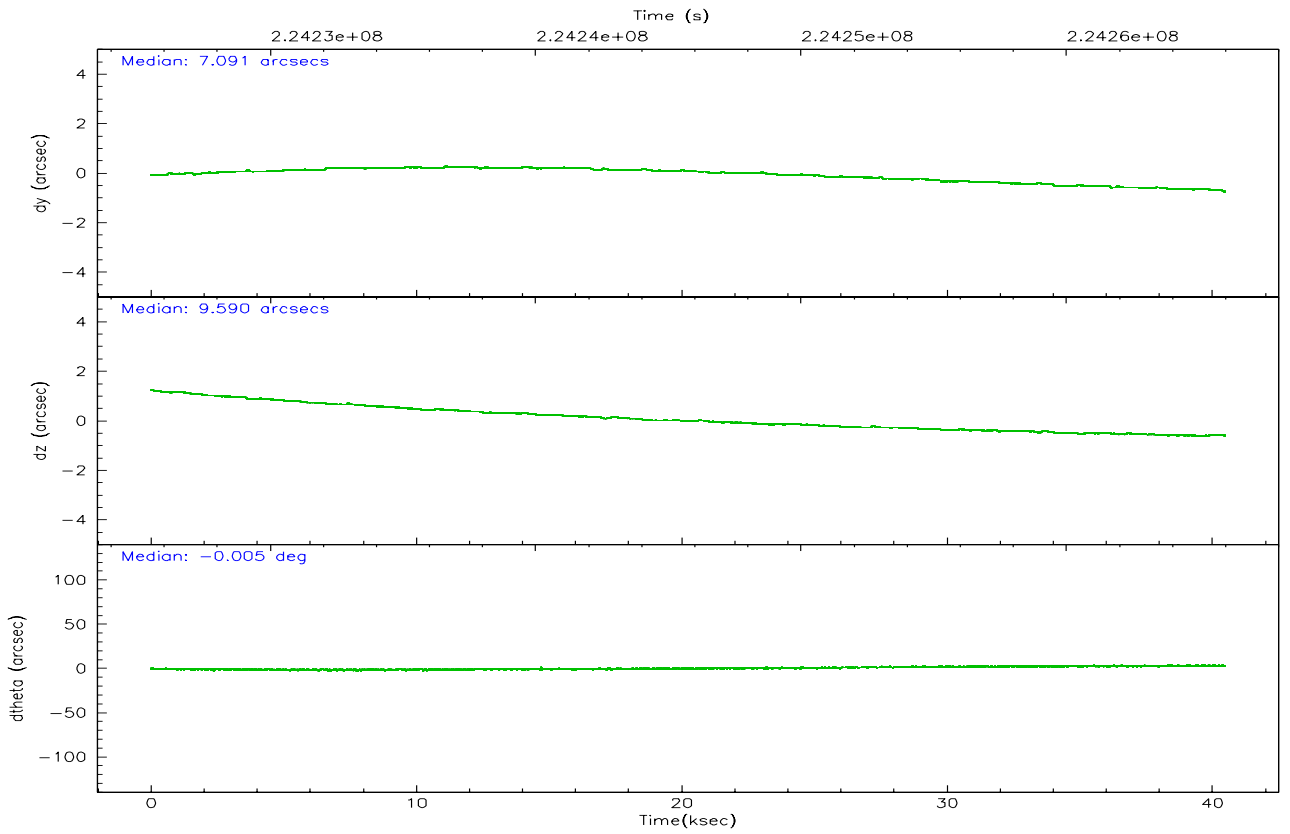
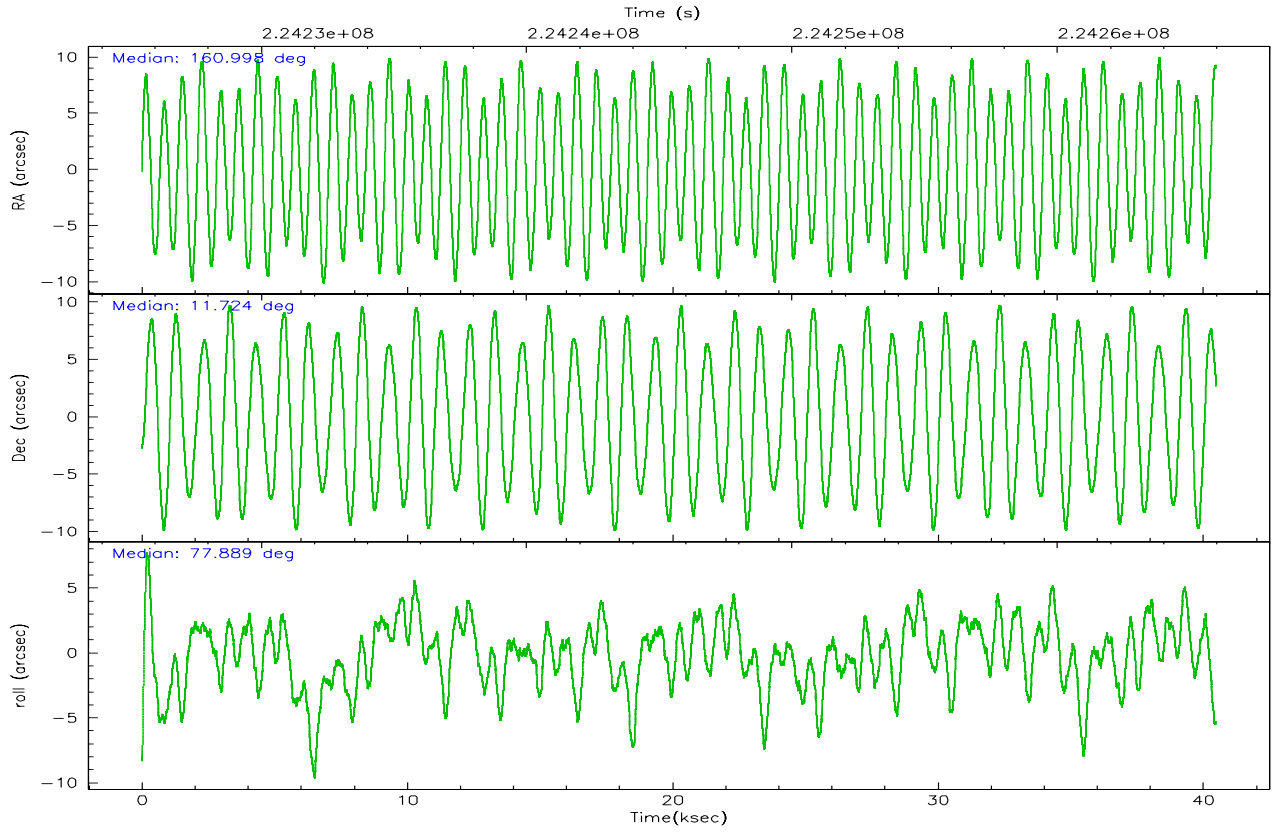
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	16358	14864	40976	13820	9132	26346
	5%	5%	8%	4%	2%	7%
grade 1 events	171	148	2777	142	244	269
	0%	0%	0%	0%	0%	0%
grade 2 events	7396	6712	61680	7474	38107	17707
	2%	2%	13%	2%	9%	4%
grade 3 events	3190	3354	4176	3325	7545	8553
	1%	1%	0%	1%	1%	2%
grade 4 events	3315	3274	4023	3242	7445	7961
	1%	1%	0%	1%	1%	2%
grade 5 events	11725	12916	23720	13617	25533	17595
	3%	4%	5%	4%	6%	4%
grade 6 events	5751	5915	108970	6962	91012	20533
	1%	2%	23%	2%	22%	5%
grade 7 events	245712	231941	221285	240115	217200	266921
	83%	83%	47%	83%	54%	72%

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	NONE	NONE
Pointing RA	161.006724	160.9978231641372	Alternating exposures requested	N	N
Pointing Dec	11.698230	11.72402940970676	Primary exposure time	0.000000	3.2
Pointing Roll	77.733952	77.89238733239357			
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	224225984.184000	224224873.33596			
Observation start date	2005-02-08T04:58:40	2005-02-08T04:41:13			
Observation end time	224265984.184000	224266626.71285			
Observation end date	2005-02-08T16:05:20	2005-02-08T16:17:06			
Read mode	TIMED	TIMED			

2.3 Aspect



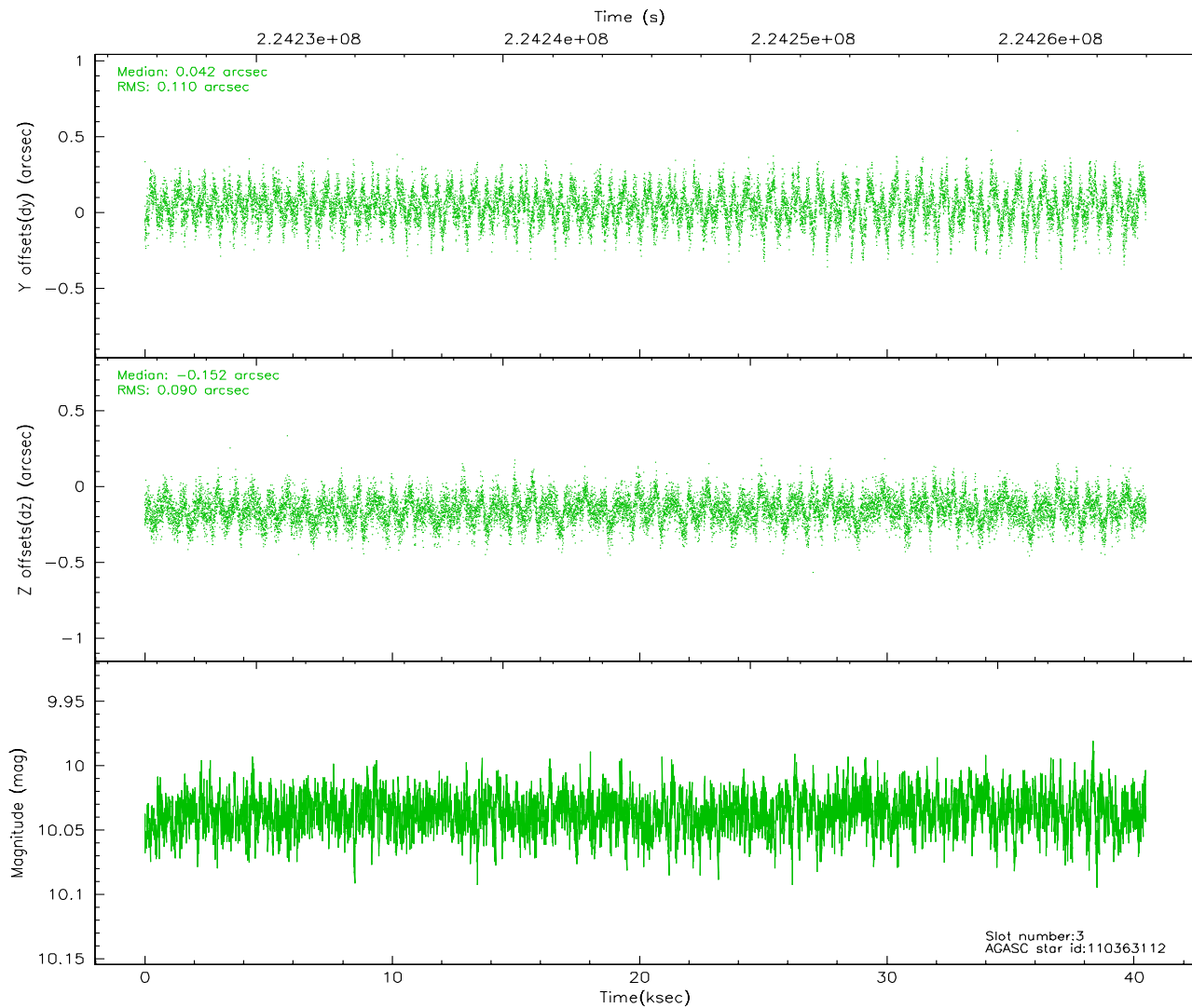
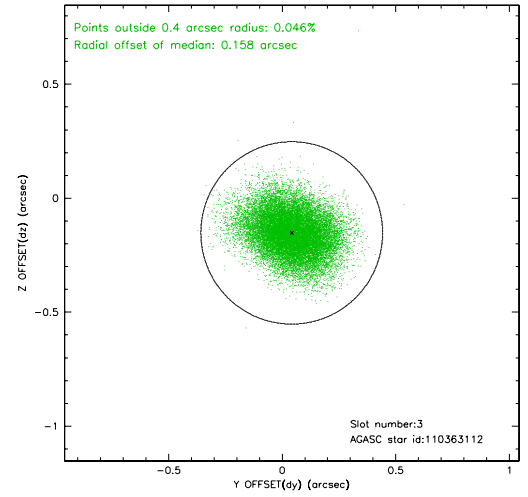
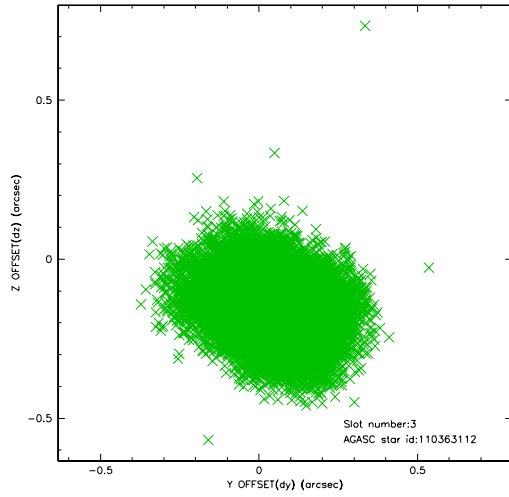


Slot Statistics

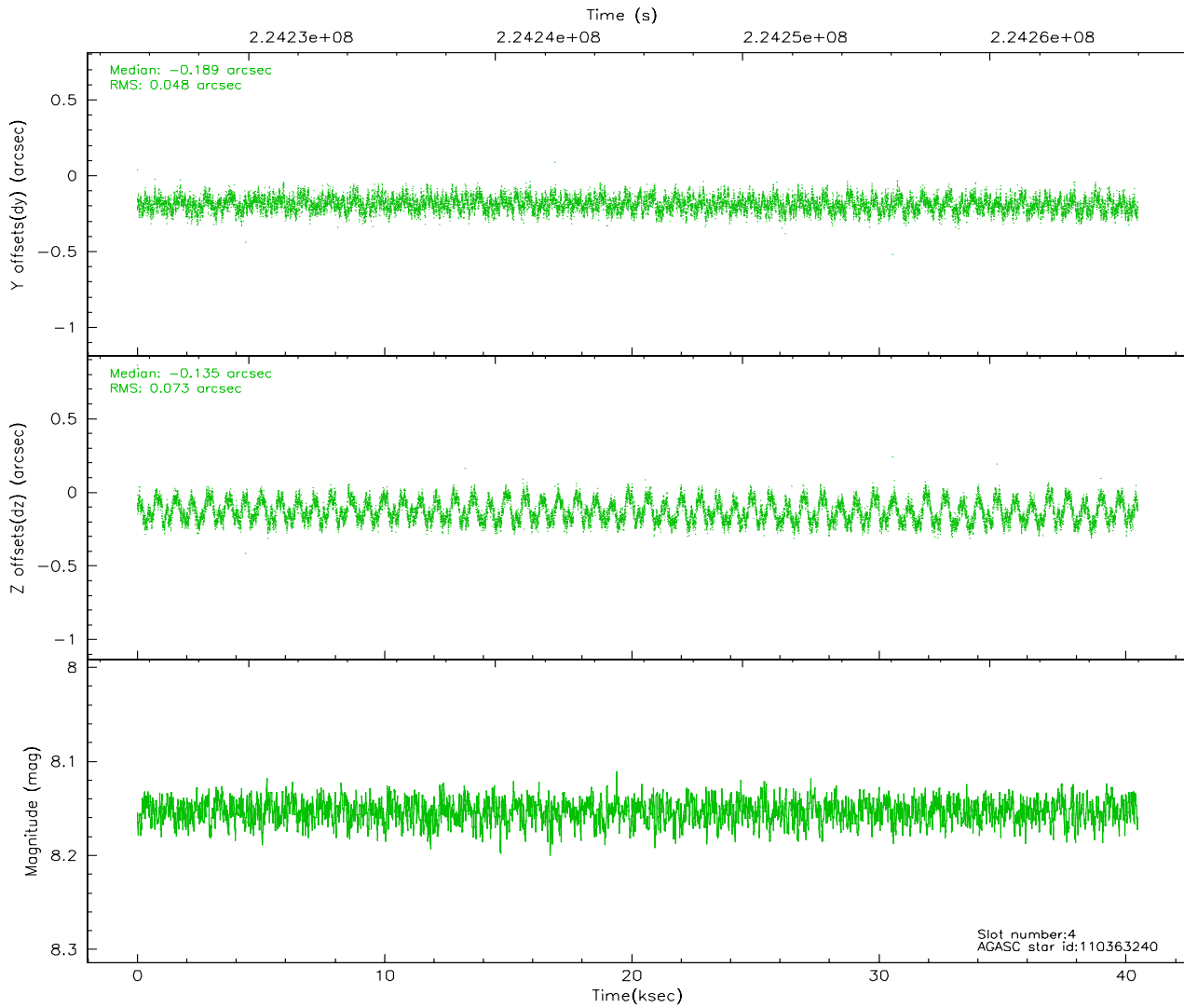
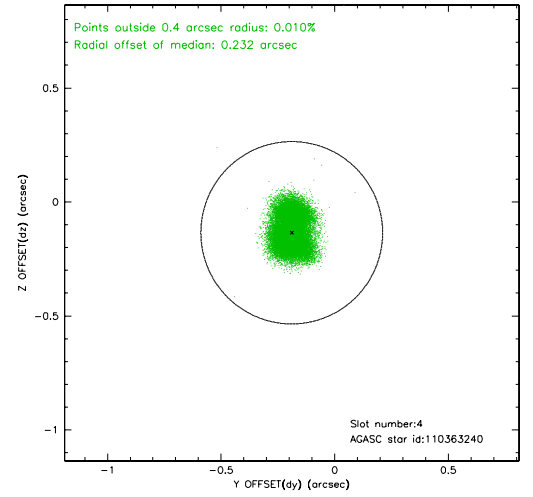
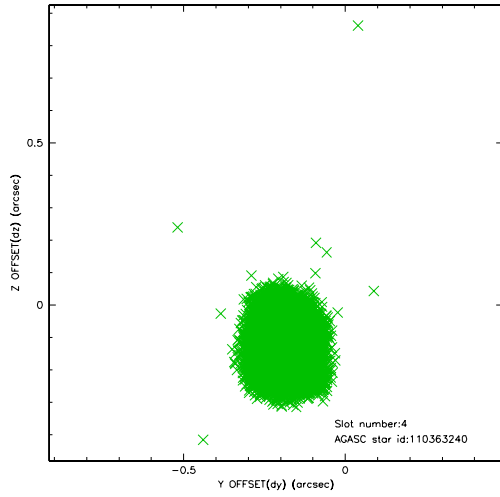
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9873	-0.037	-0.015	0.010	0.022	0.000000	0.000000	-759.77	-1730.89
1	FID	ACIS-S-4	7.21	9874	0.049	0.021	0.008	0.014	0.000000	0.000000	2153.56	177.65
2	FID	ACIS-S-5	7.24	9874	-0.044	0.002	0.010	0.023	0.000000	0.000000	-1812.63	171.26
3	GUIDE	110363112	10.04	19732	0.042	-0.152	0.152	0.245	160.492613	11.398369	-1438.66	1543.95
4	GUIDE	110363240	8.15	19747	-0.189	-0.135	0.096	0.142	160.564767	12.418075	2203.13	2069.70
5	GUIDE	111280632	9.90	19736	0.023	0.071	0.116	0.187	161.089942	11.335611	-1212.82	-564.05
6	GUIDE	111281680	10.27	19735	0.084	0.131	0.159	0.254	161.020105	11.200959	-1739.11	-426.17
7	GUIDE	111285392	10.13	19712	0.030	0.097	0.298	0.435	161.241595	11.515570	-466.01	-948.98

2.4 Star Slots

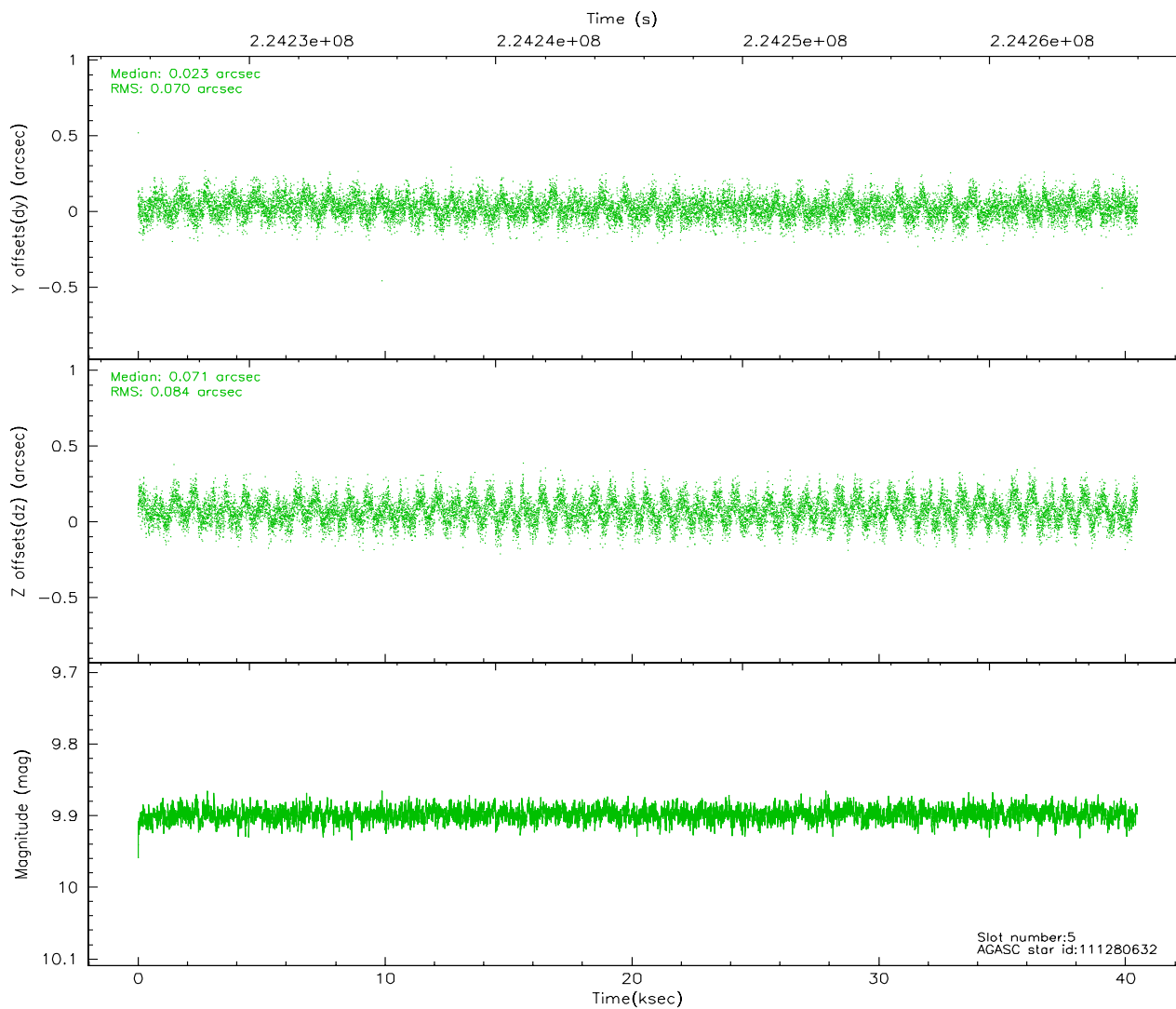
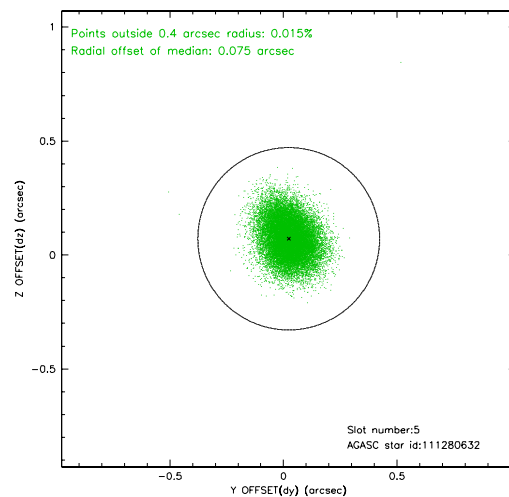
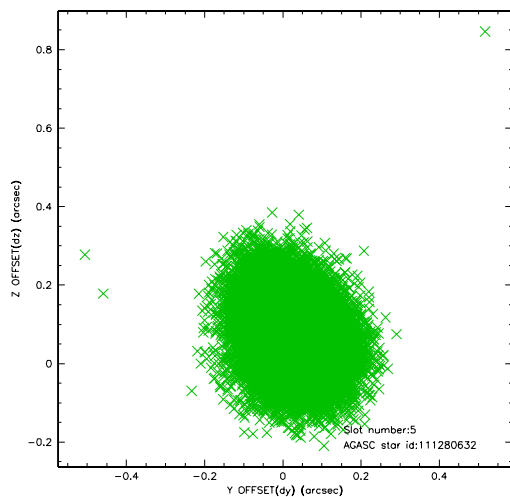
2.4.1 Slot 3



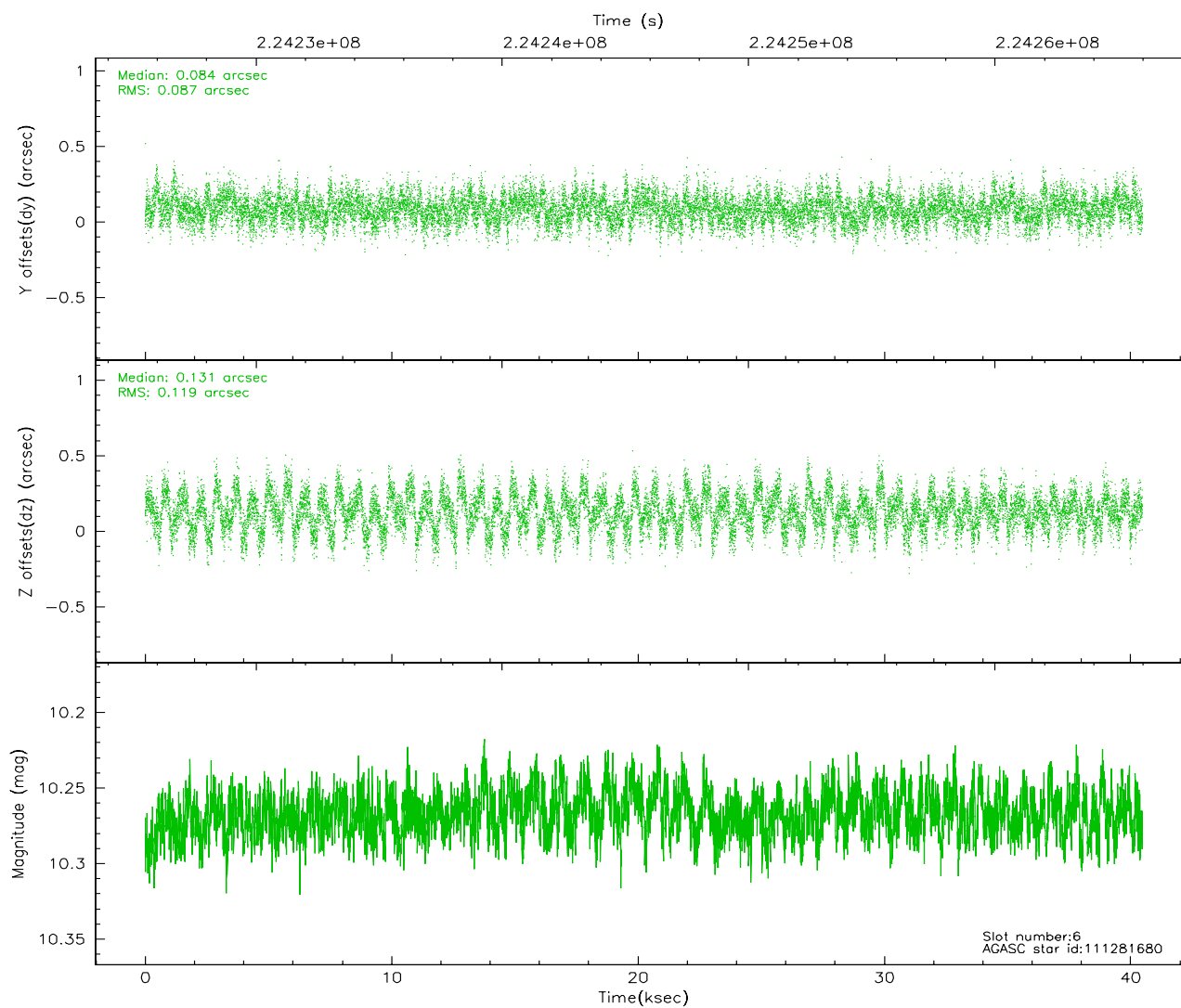
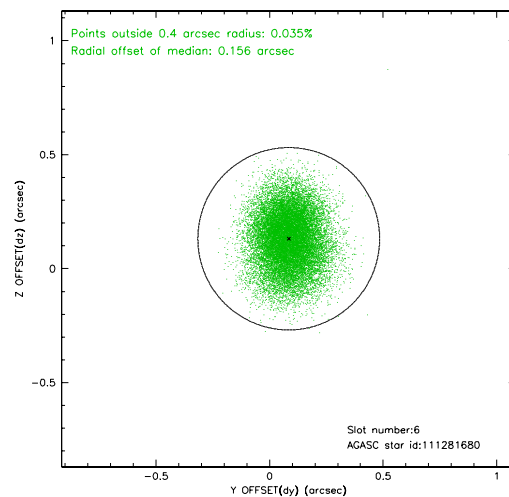
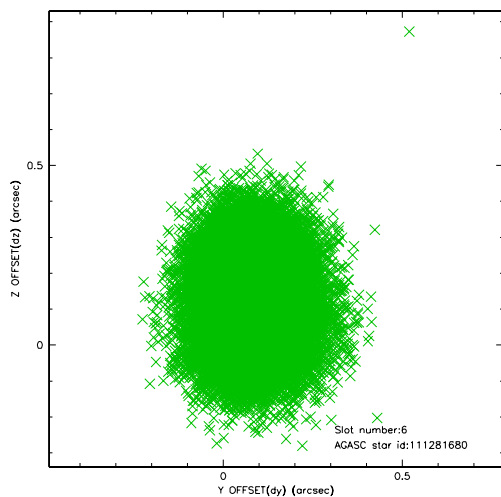
2.4.2 Slot 4



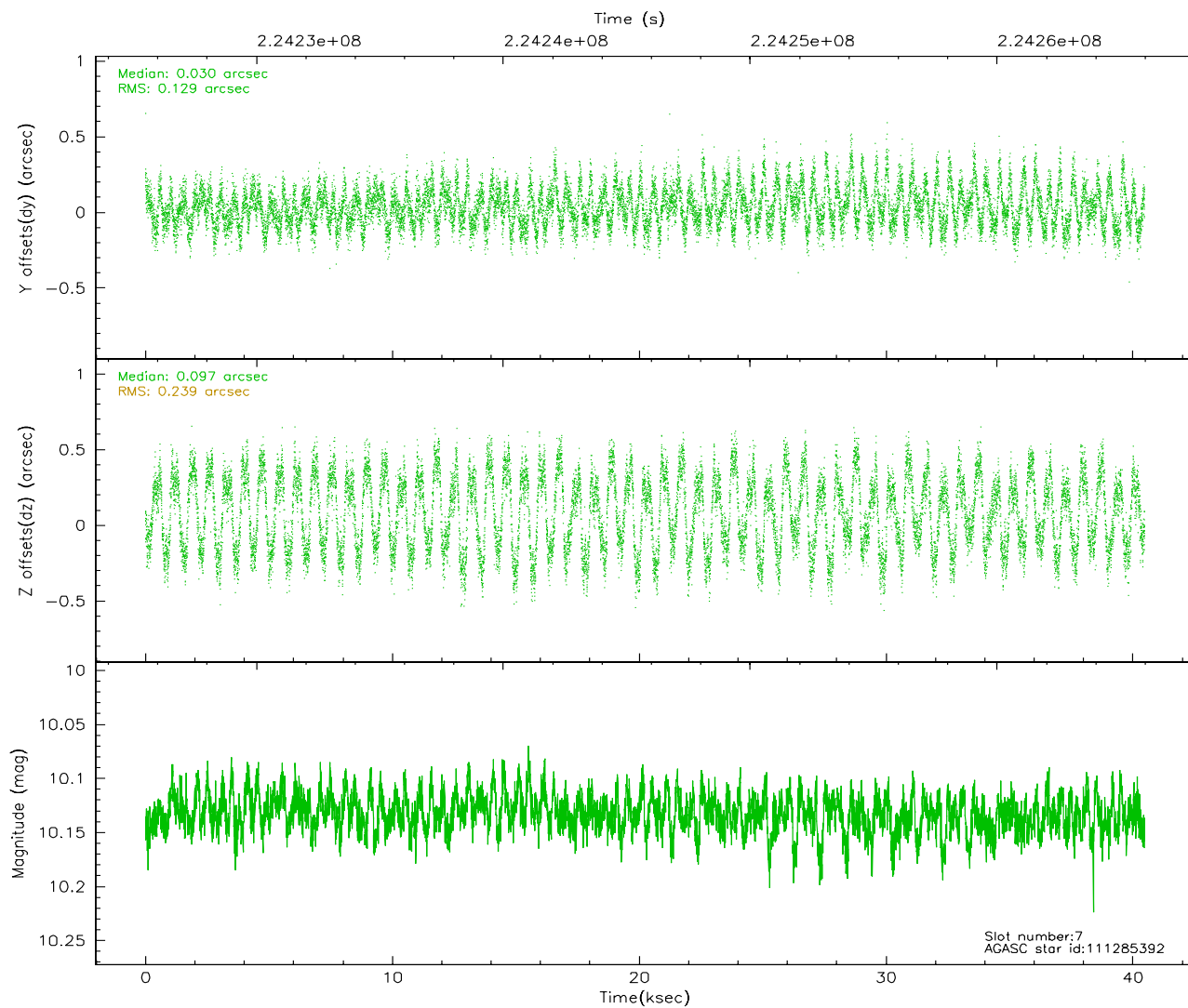
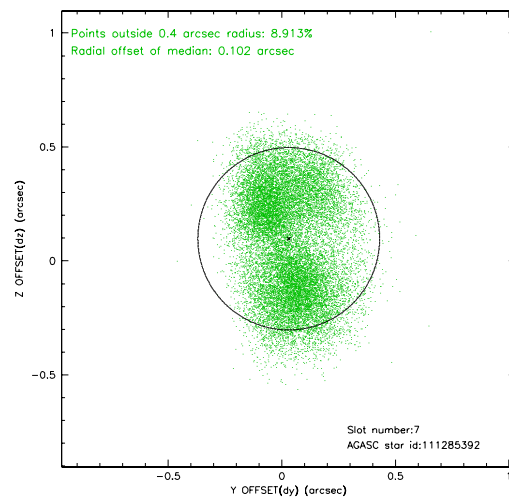
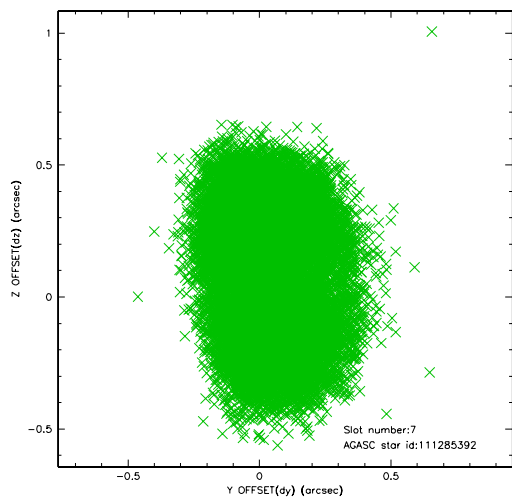
2.4.3 Slot 5



2.4.4 Slot 6

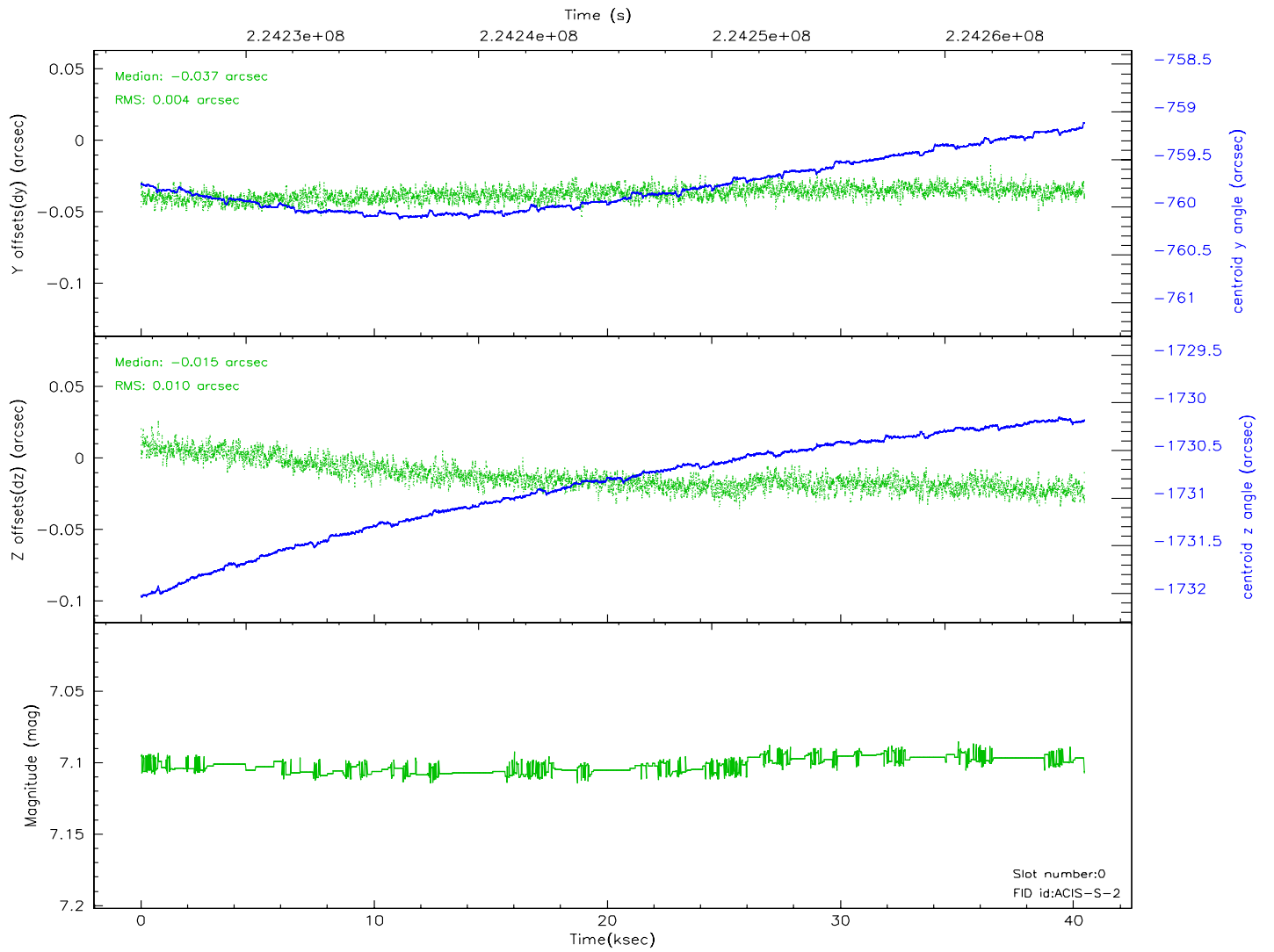
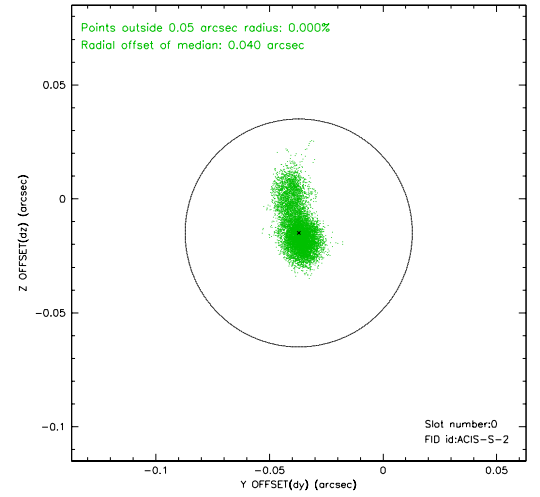
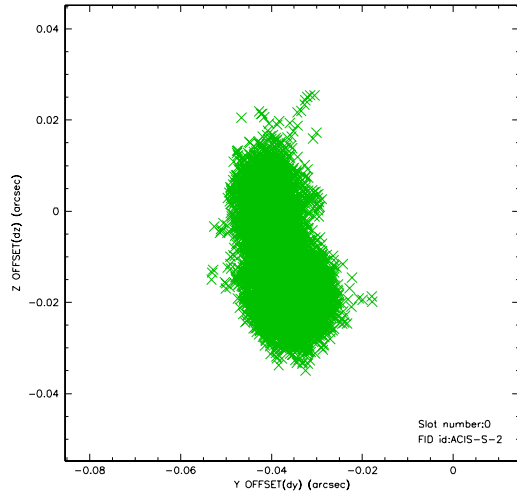


2.4.5 Slot 7

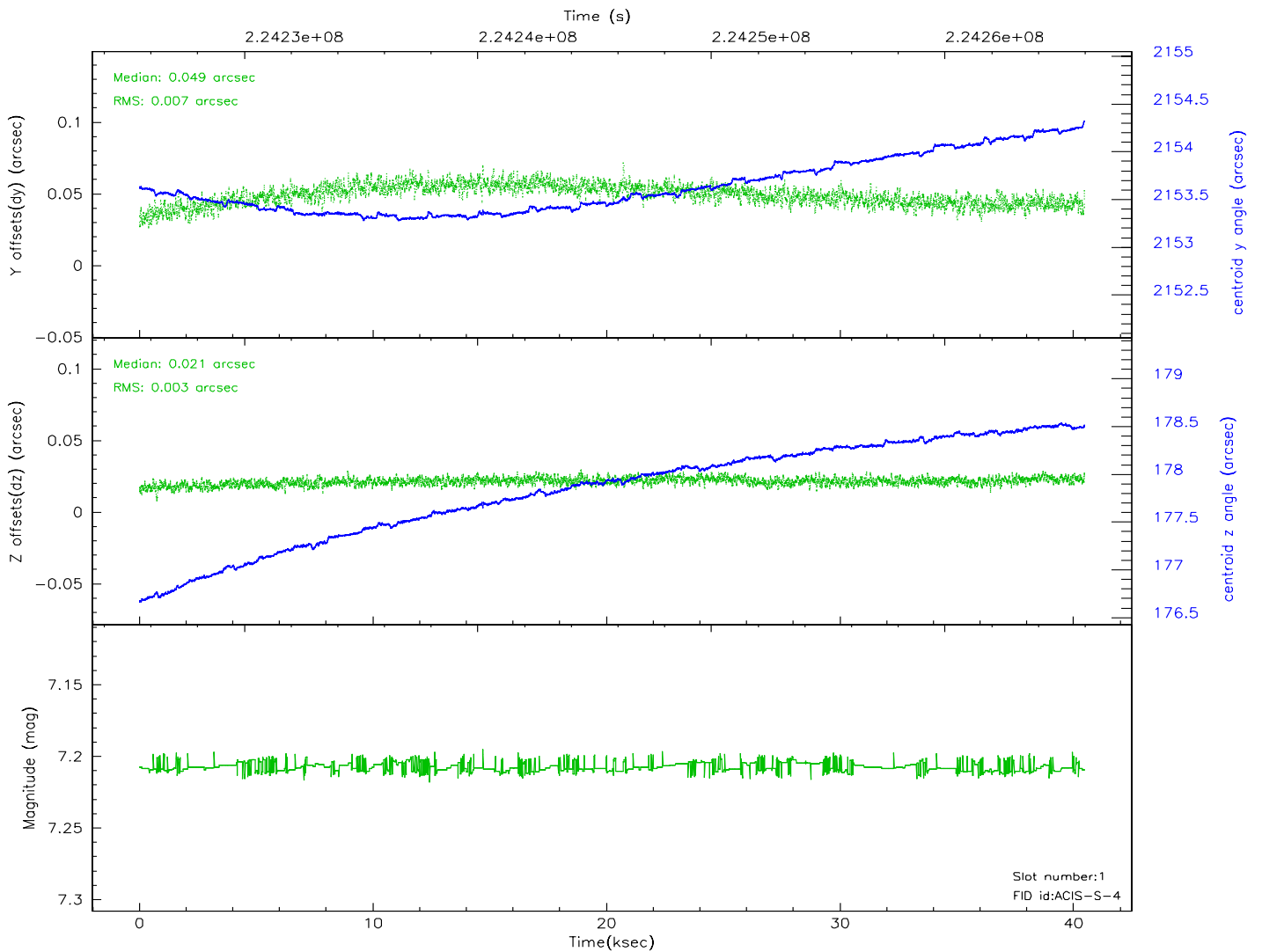
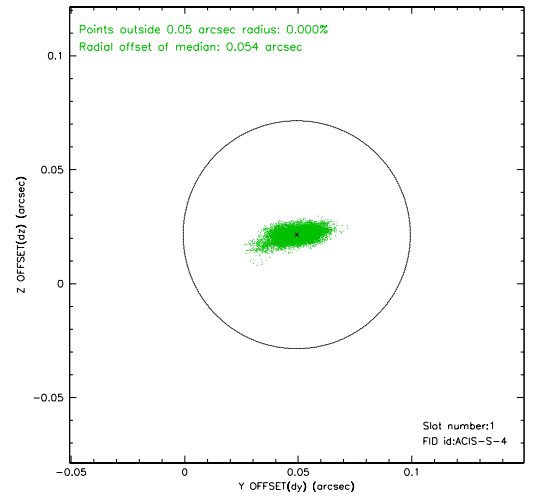
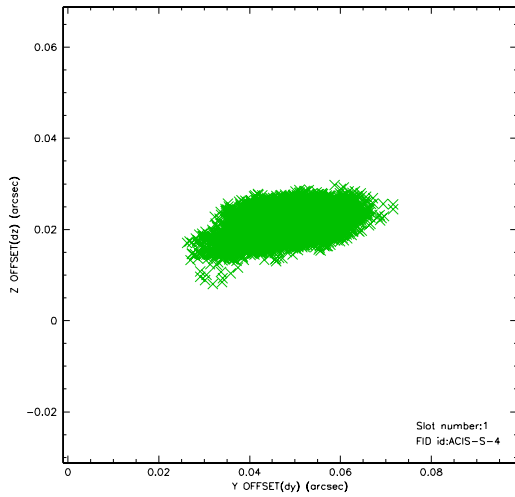


2.5 FID Slots

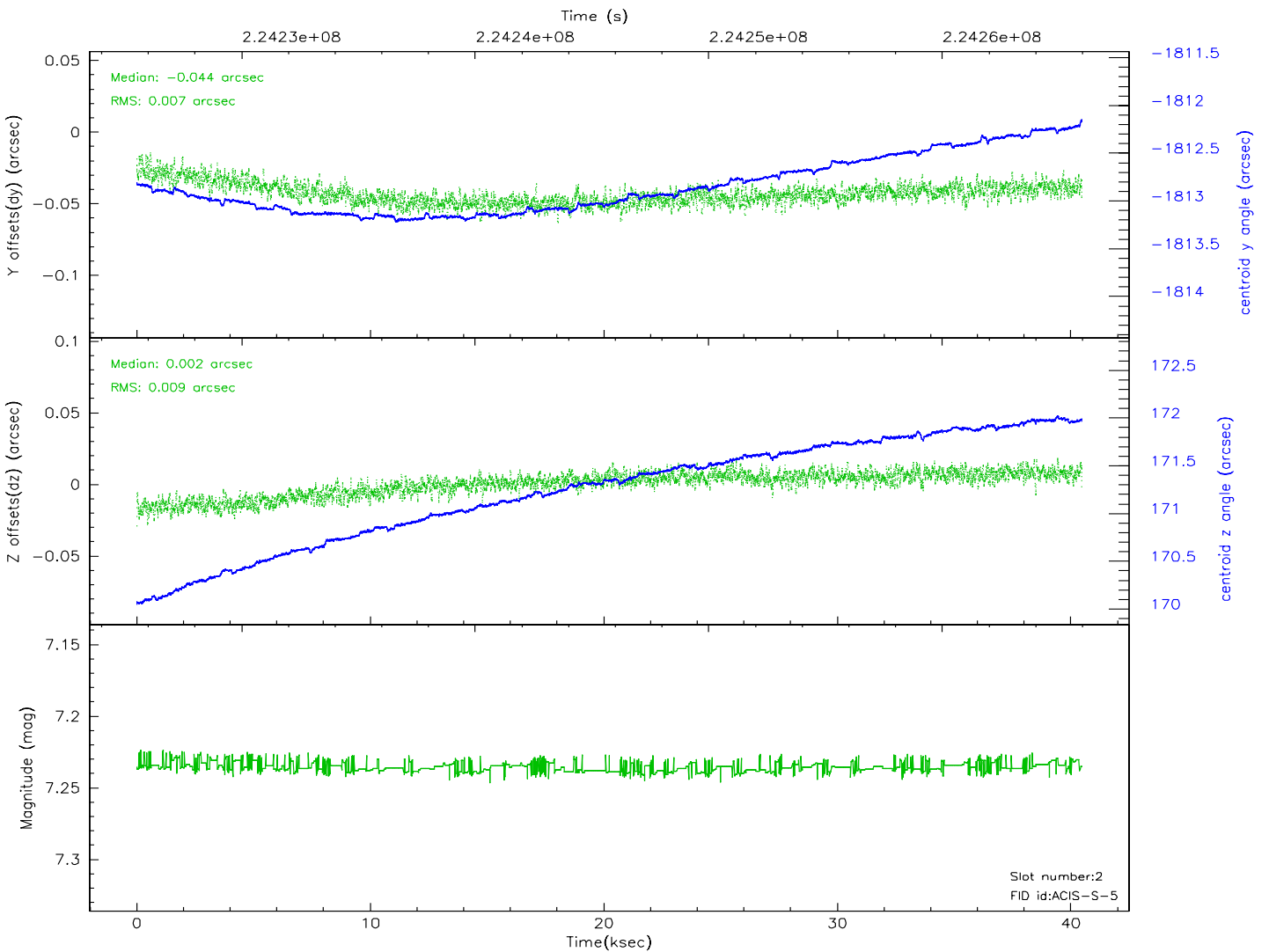
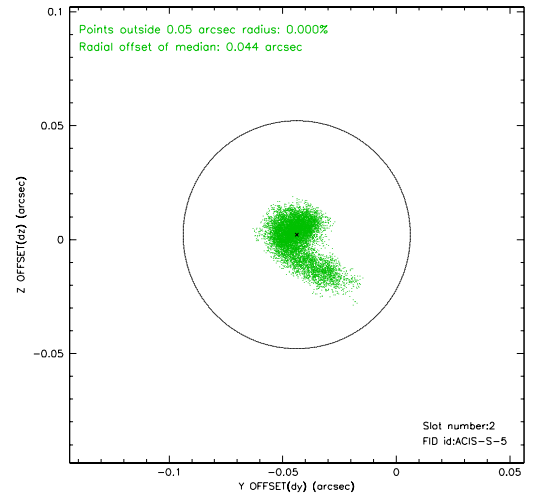
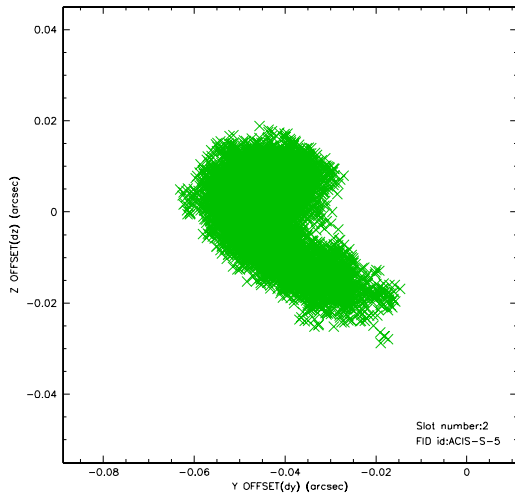
2.5.1 Slot 0



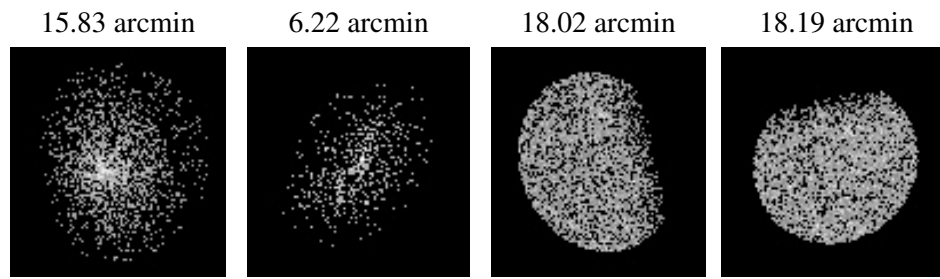
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.02.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.95839

A.2 Comments

Comments for Obi 1

Star in slot 7 has an RMS deviation > 0.200000 arcsec (but is within spec.)