

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3758 - L2 Version 001
Chandra X-Ray Center

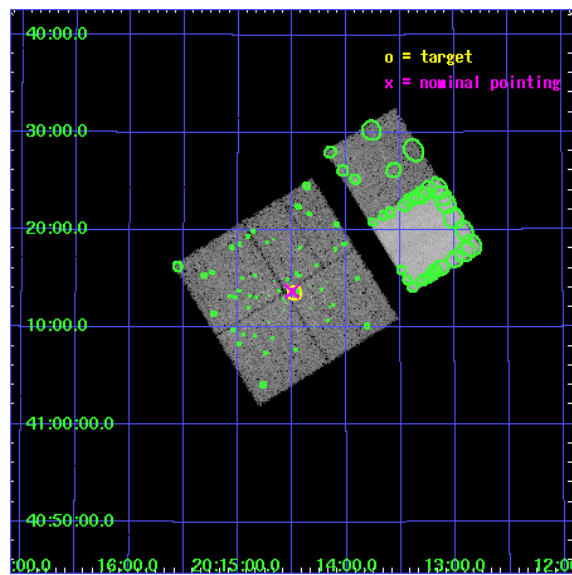
L2 Processing Date : Jul 24 2006

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1 Front

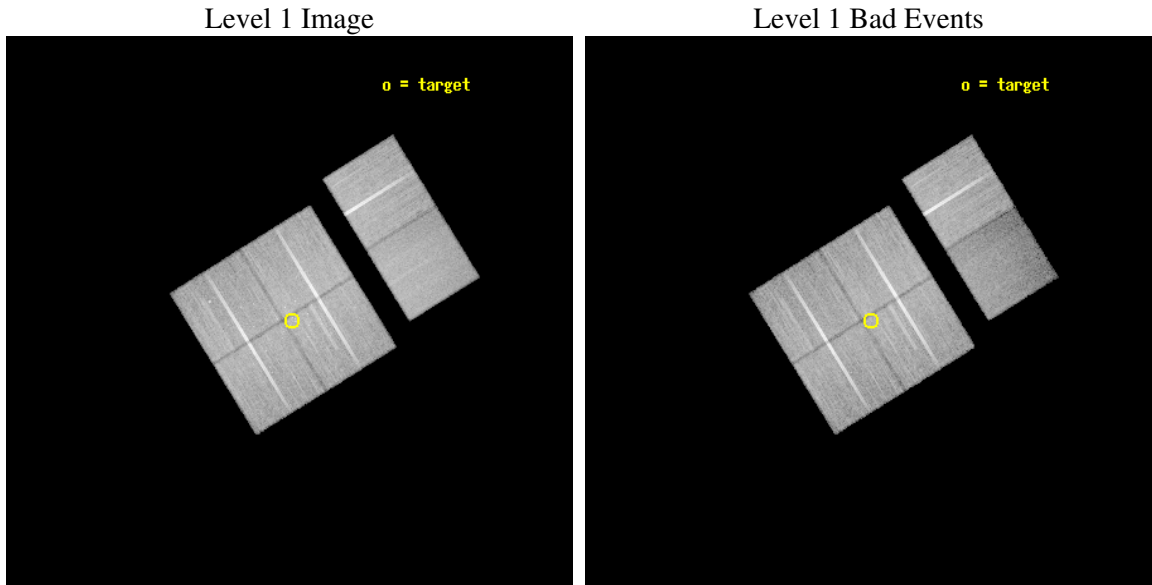
seq_num	200228
obs_id	3758
title	X-RAY EMISSION FROM MASSIVE PROTO-STARS
observer	DR. PETER HOFNER
object	IRAS 20126+4104
dtcycle	0
cycle	P
ra_targ	303.621079
dec_targ	41.225694
ra_nom	303.62610987367
dec_nom	41.228348991984
roll_nom	58.189815907656
revision	2
ontime	39359.95889309
livetime	38861.559393864
ontime0	39359.958883077
ontime1	39363.199853361
ontime2	39356.717902929
ontime3	39359.95889309
ontime6	39359.958883107
ontime7	39359.958883077
l2events	176686



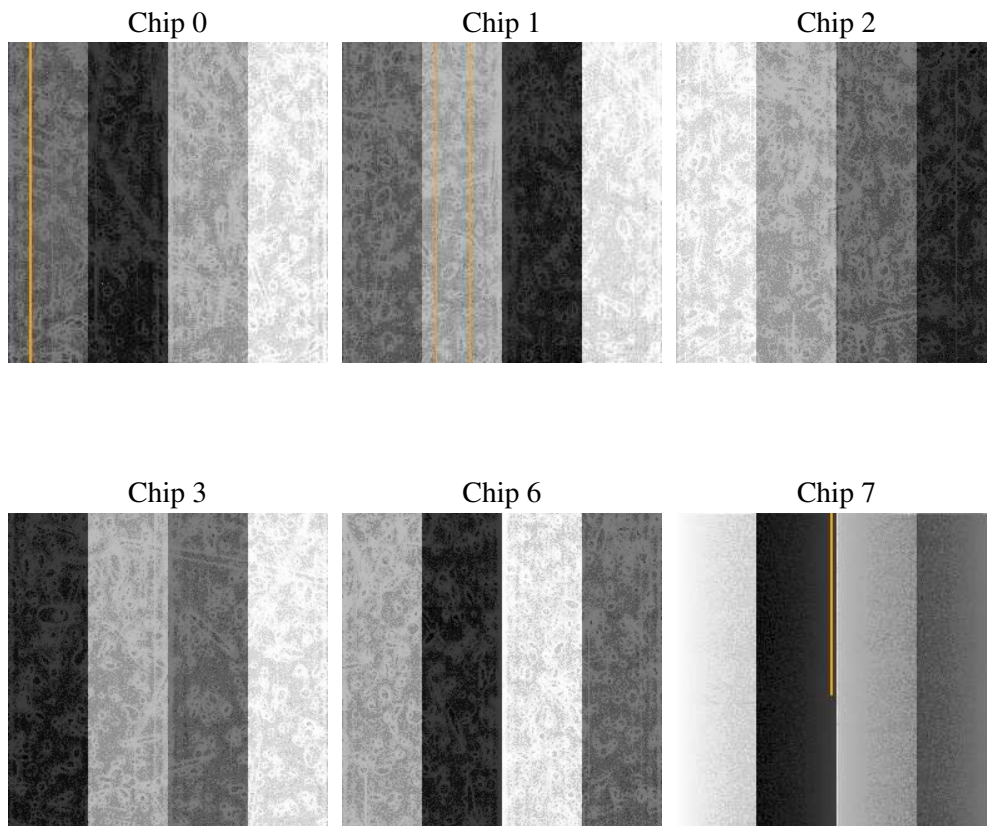
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-24T17:33:24
revision	2

sched_exp_time	39400.000000
ontime	39365.182748228
ontime0	39365.182738215
ontime1	39368.423688561
ontime2	39361.941738129
ontime3	39365.182748228
ontime6	39365.182738245
ontime7	39365.182738215
l1events	1185486

2.1.4 Events

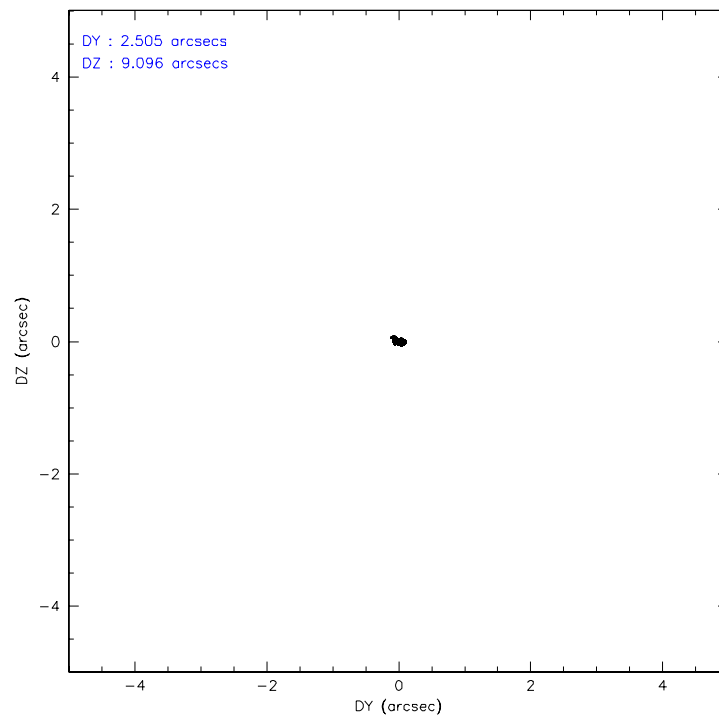
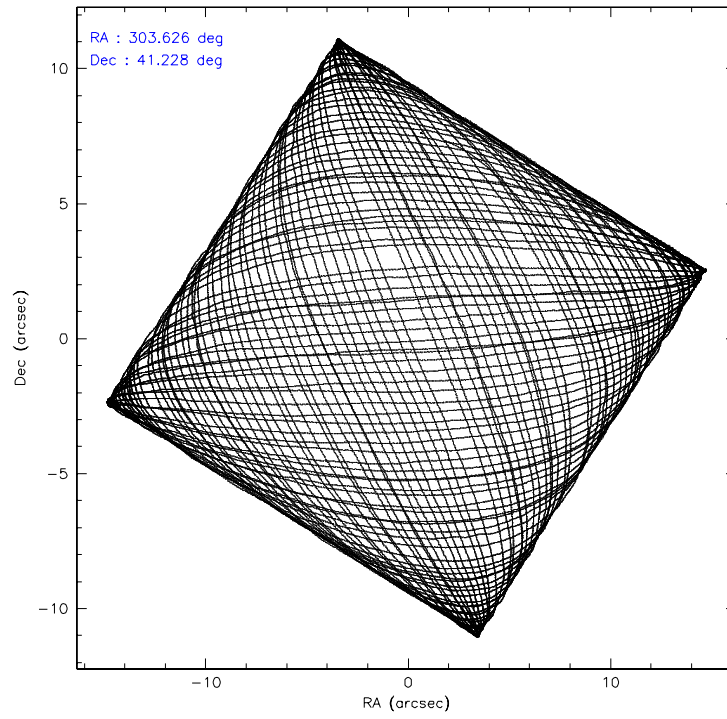
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	190108	189067	214891	204678	206587	180155
rejected events	165426	164377	192152	182416	185944	97311
rejected %	87%	86%	89%	89%	90%	54%

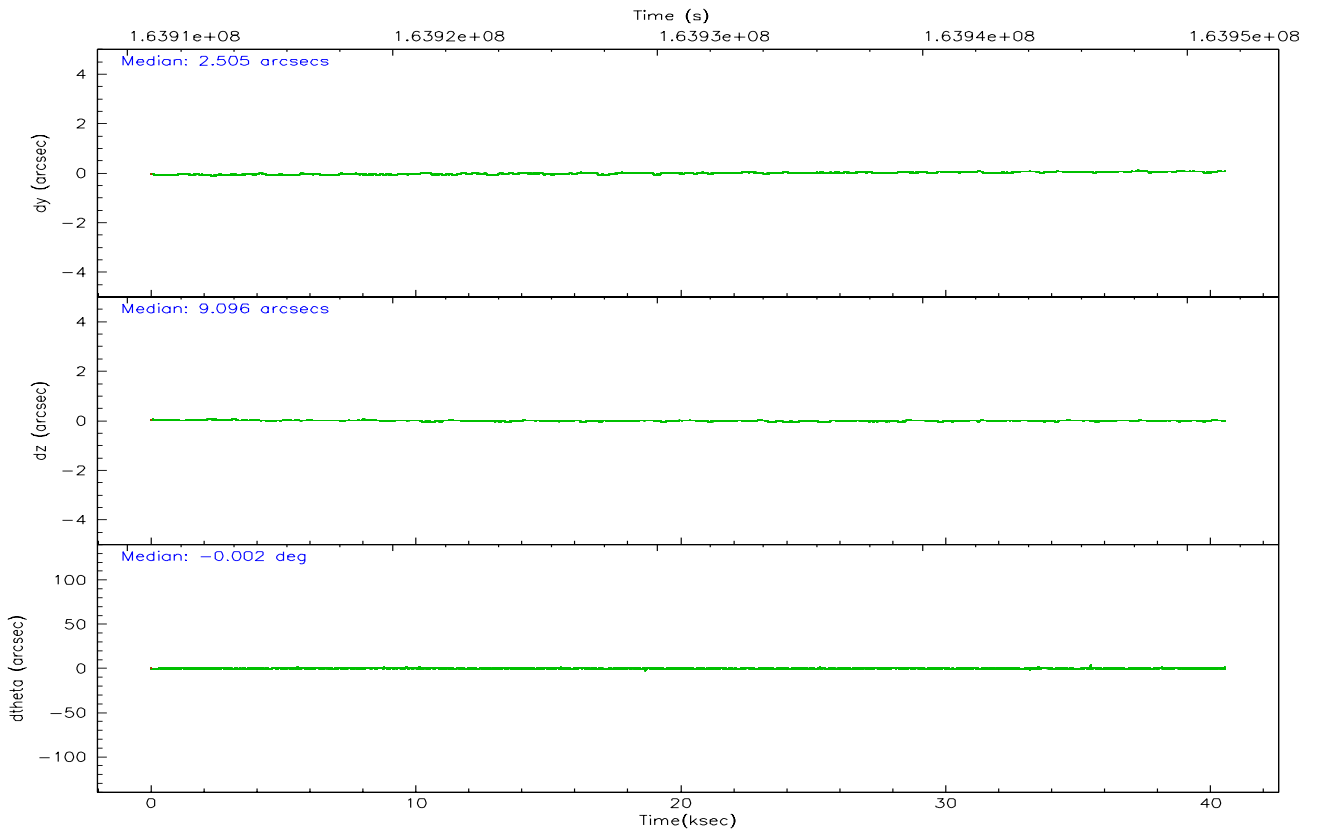
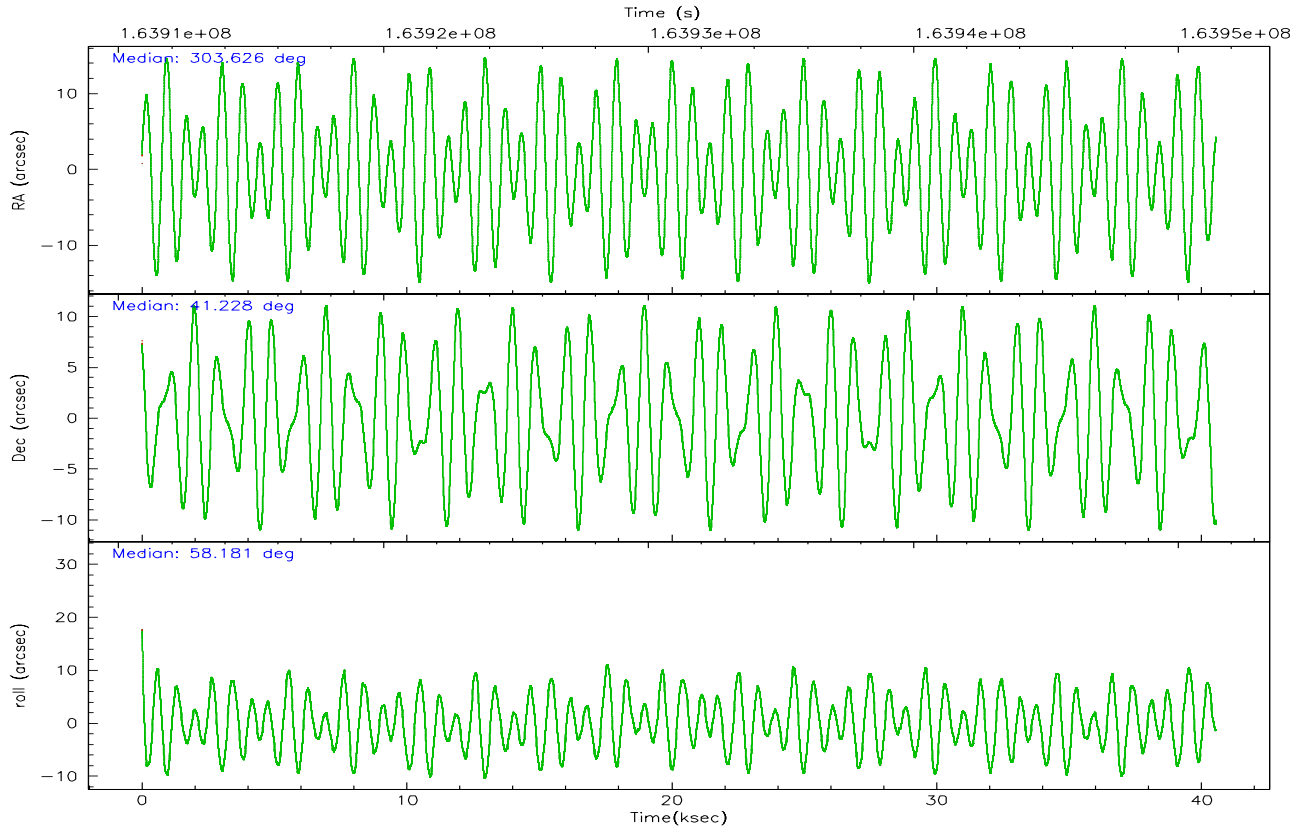
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	11551	11265	10277	10364	7830	5574
	6%	5%	4%	5%	3%	3%
grade 1 events	94	95	120	126	96	121
	0%	0%	0%	0%	0%	0%
grade 2 events	4946	4595	4676	4003	4301	21089
	2%	2%	2%	1%	2%	11%
grade 3 events	2417	2446	2305	2225	2287	5222
	1%	1%	1%	1%	1%	2%
grade 4 events	2276	2427	2196	2227	2246	5190
	1%	1%	1%	1%	1%	2%
grade 5 events	5669	6090	5299	6369	6587	14600
	2%	3%	2%	3%	3%	8%
grade 6 events	3496	3957	3288	3445	3980	45776
	1%	2%	1%	1%	1%	25%
grade 7 events	159659	158192	186730	175919	179260	82583
	83%	83%	86%	85%	86%	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	303.625114	303.6261098736737	Alternating exposures requested	N	N
Pointing Dec	41.200994	41.22834899198358	Primary exposure time	0.000000	3.2
Pointing Roll	57.981784	58.18981590765583			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	163912031.184000	163910589.16257			
Observation start date	2003-03-13T03:06:07	2003-03-13T02:43:09			
Observation end time	163951431.184000	163951830.5518			
Observation end date	2003-03-13T14:02:47	2003-03-13T14:10:30			
Read mode	TIMED	TIMED			

2.3 Aspect



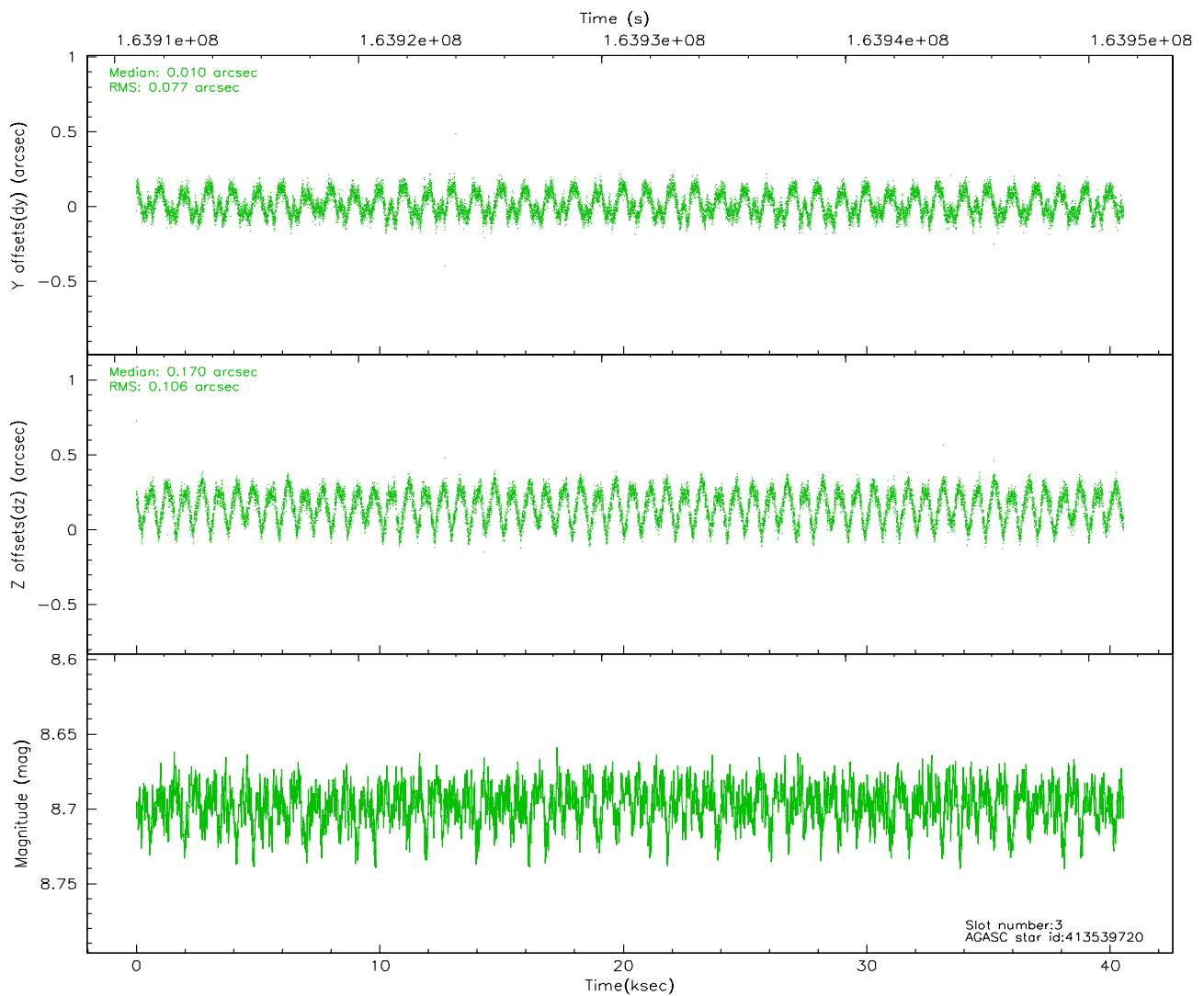
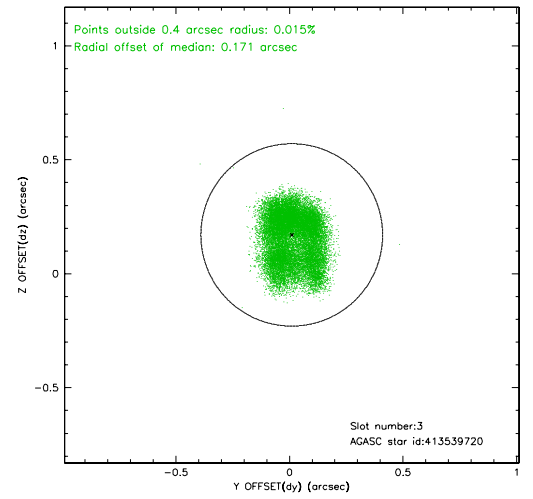
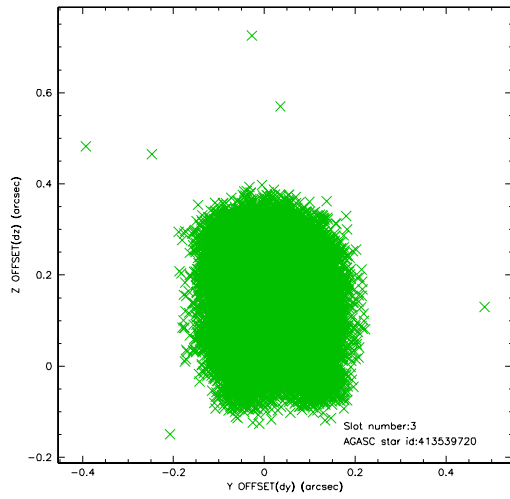


Slot Statistics

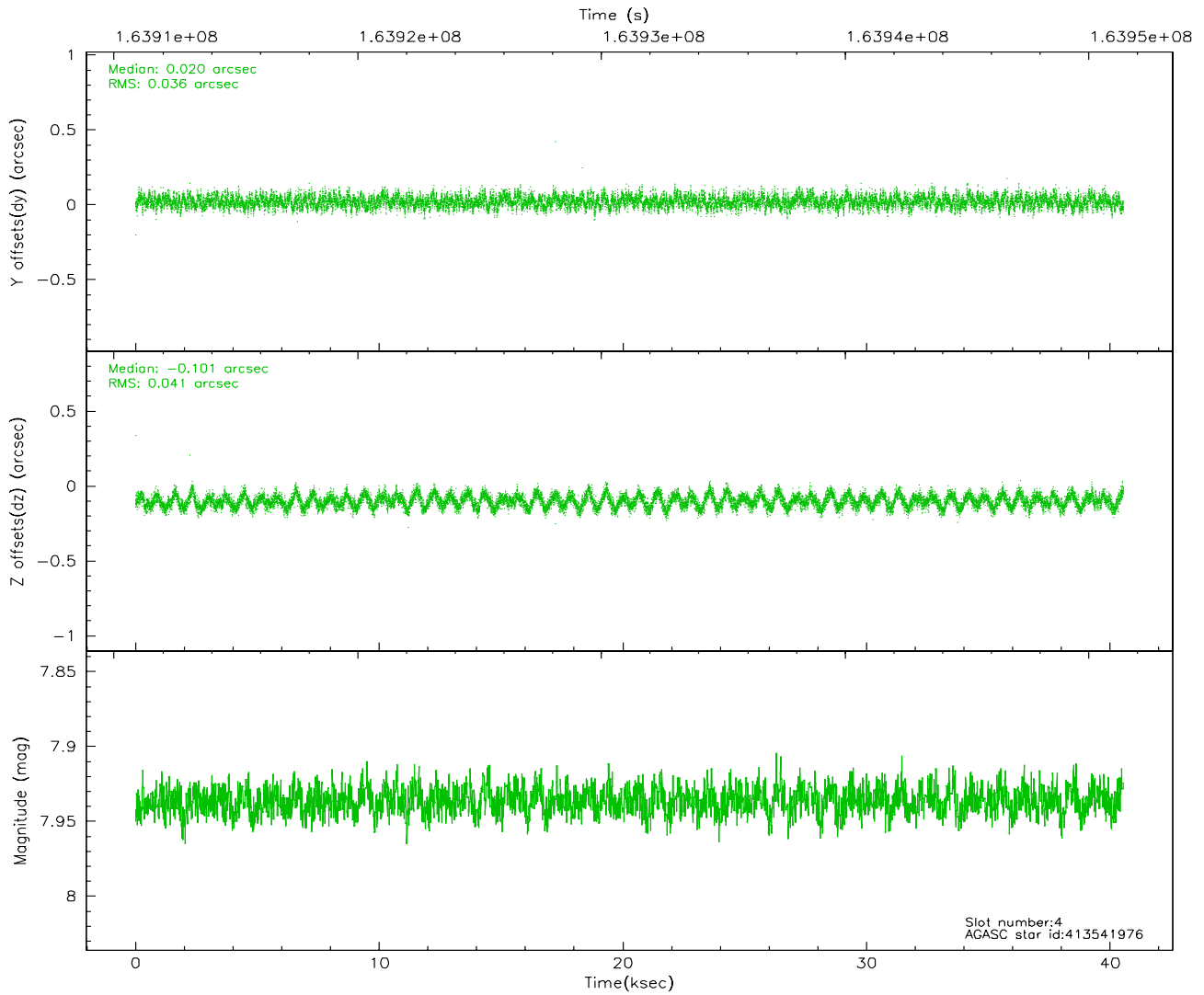
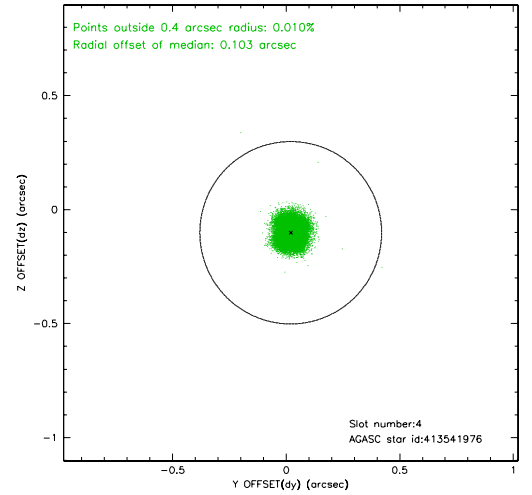
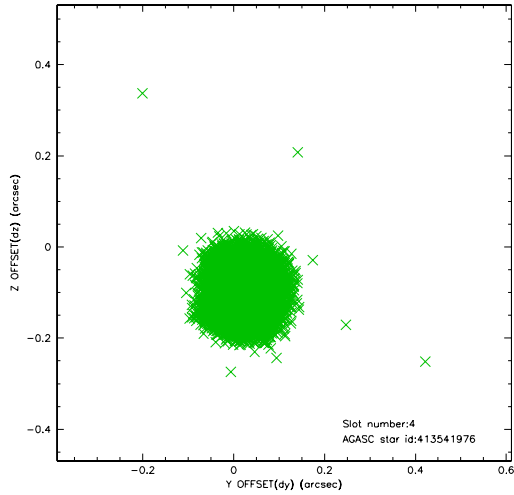
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	9891	-0.057	0.094	0.006	0.011	0.000000	0.000000	937.25	-832.45
1	FID	ACIS-I-5	7.24	9889	-0.028	0.011	0.006	0.011	0.000000	0.000000	-1810.83	1064.93
2	FID	ACIS-I-6	7.26	9889	-0.006	-0.034	0.007	0.011	0.000000	0.000000	402.82	1709.42
3	GUIDE	413539720	8.70	19774	0.010	0.170	0.141	0.215	303.574155	40.710521	-1570.63	-818.10
4	GUIDE	413541976	7.94	19779	0.020	-0.101	0.058	0.091	302.763626	40.944908	-2014.03	1503.41
5	GUIDE	414061800	8.54	19707	0.016	-0.144	0.078	0.131	302.919373	41.392260	-420.45	1985.37
6	GUIDE	413536320	9.16	19705	-0.018	0.058	0.086	0.137	304.179335	41.235524	905.24	-1203.14
7	GUIDE	414061080	9.71	19767	-0.039	0.033	0.095	0.156	304.309437	41.350182	1442.38	-1278.97

2.4 Star Slots

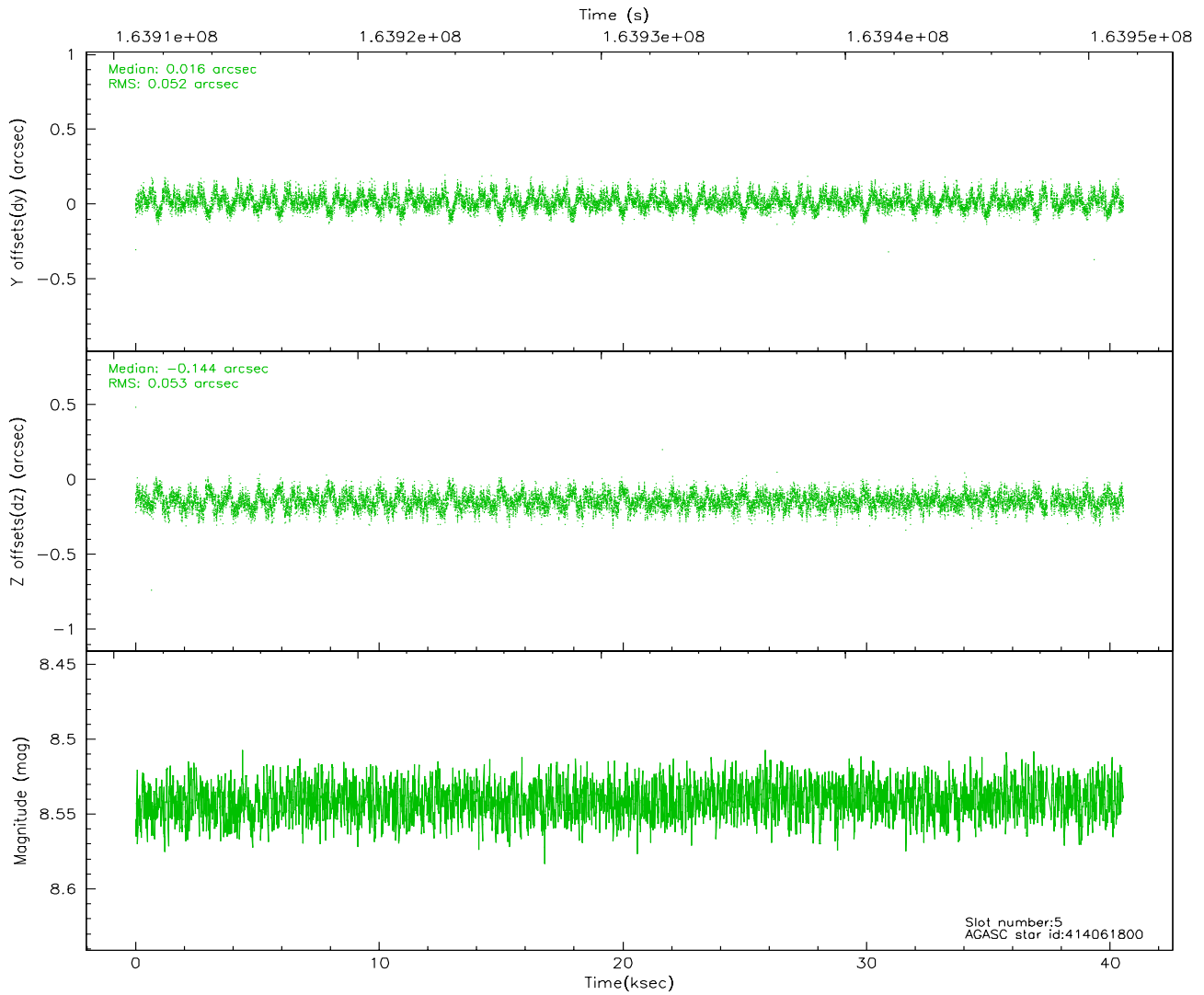
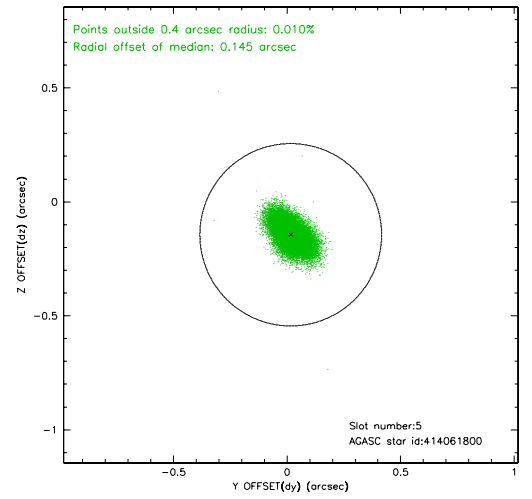
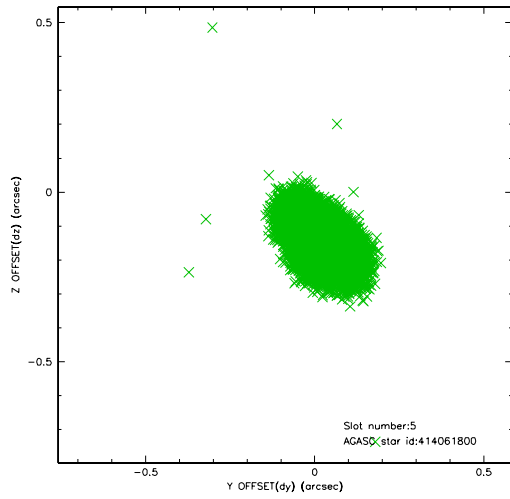
2.4.1 Slot 3



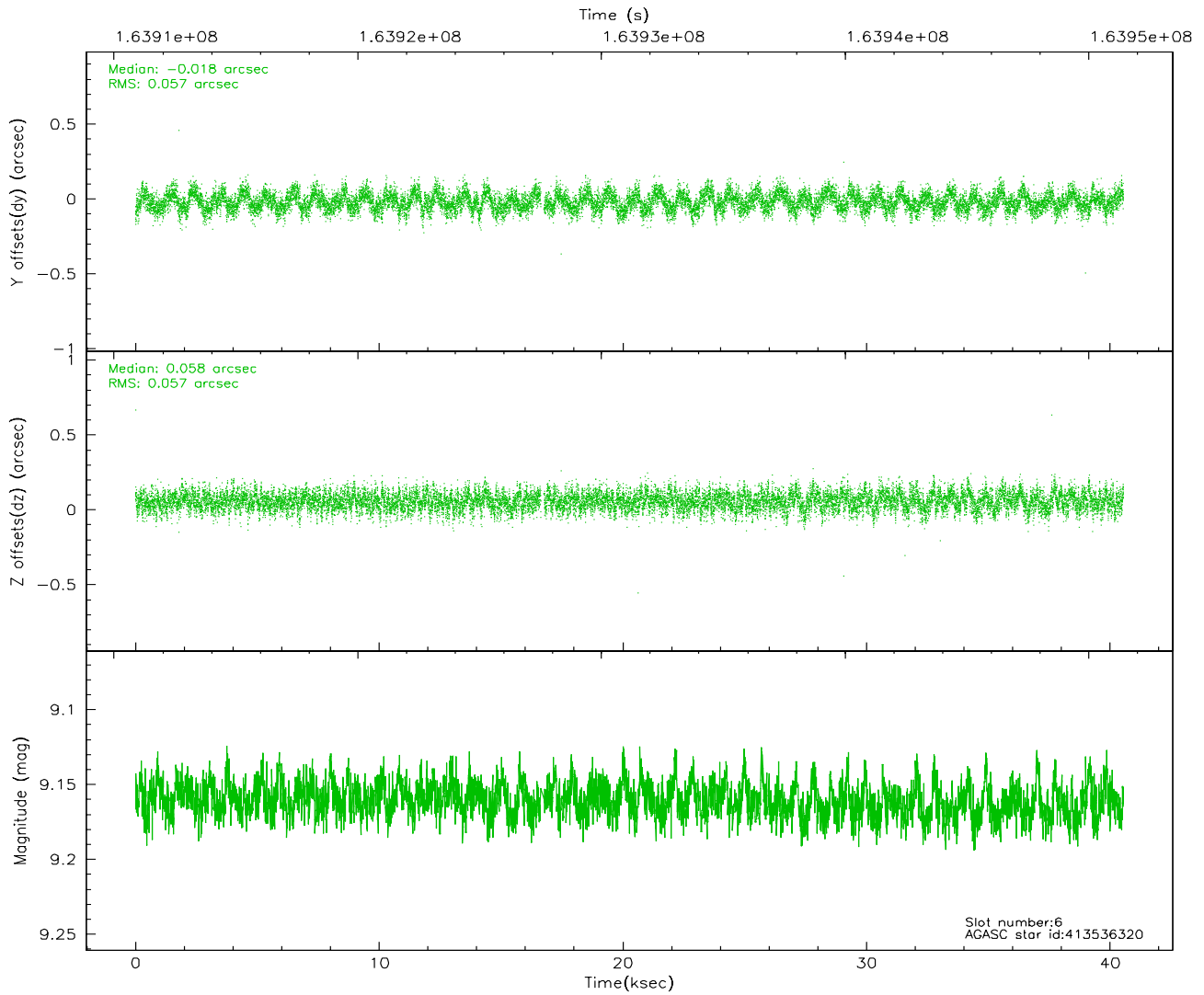
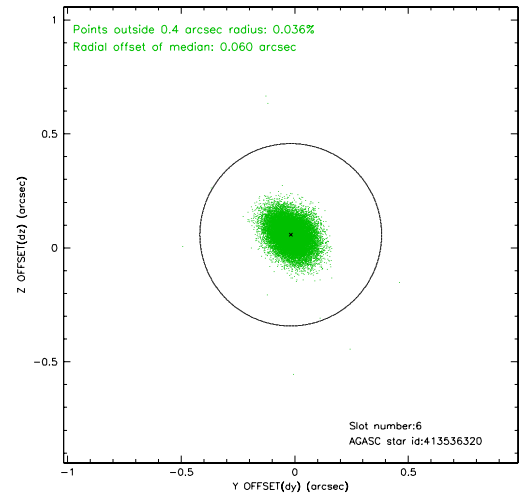
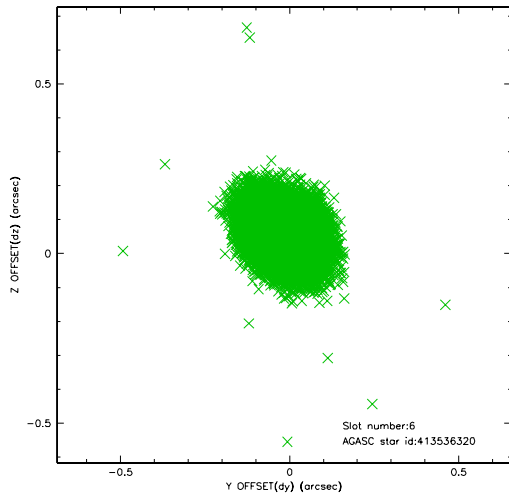
2.4.2 Slot 4



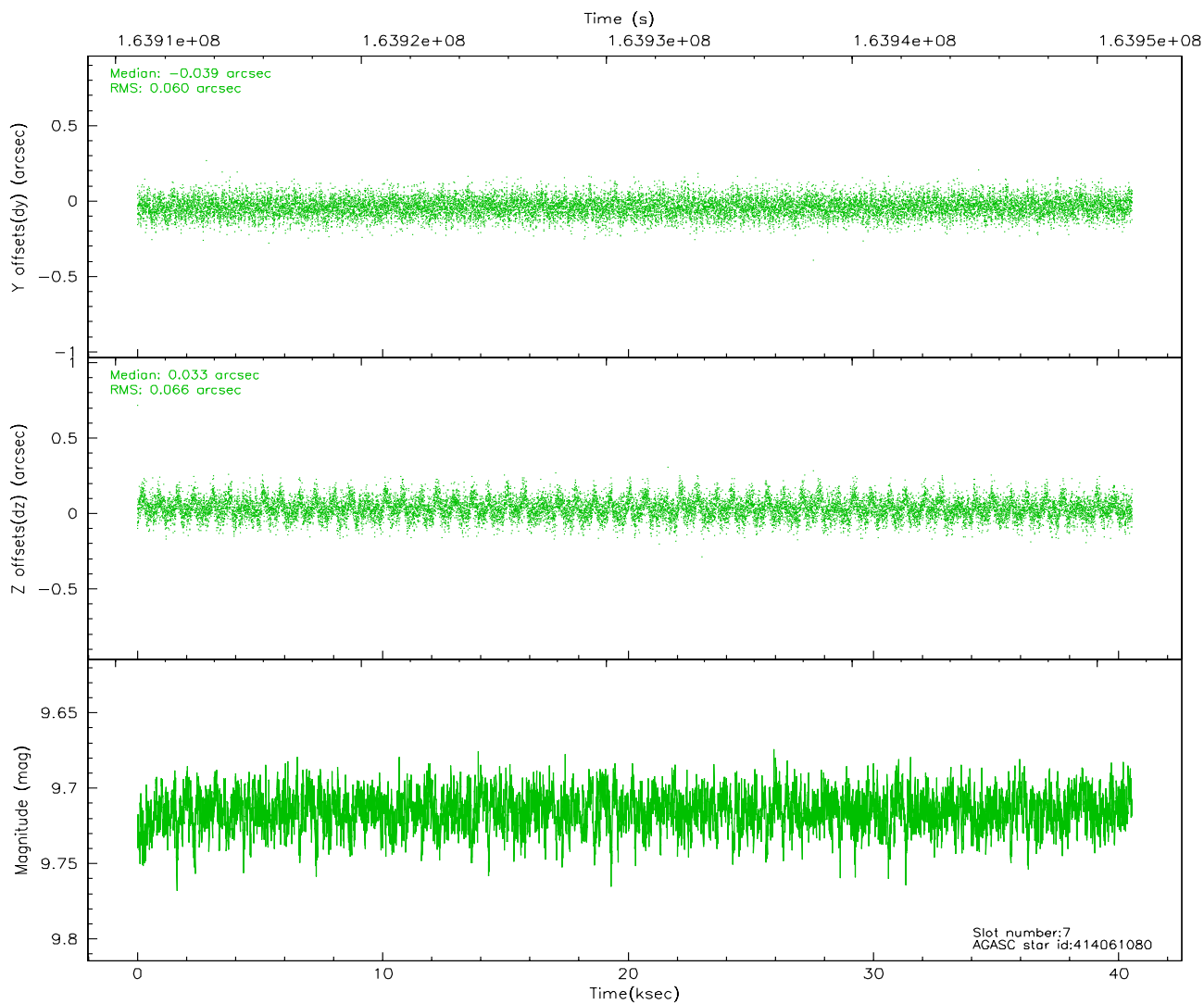
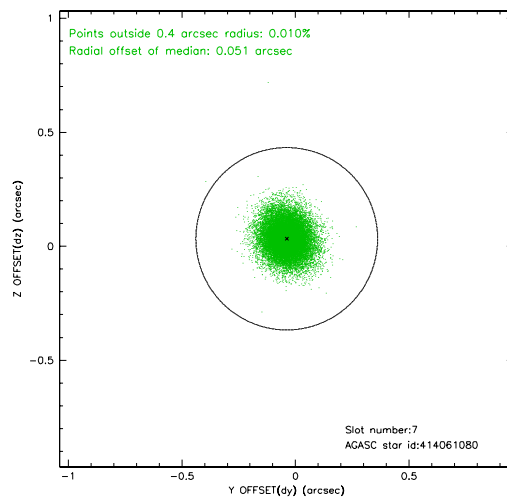
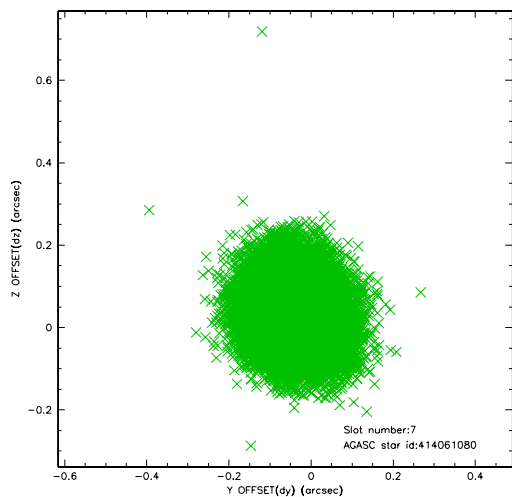
2.4.3 Slot 5



2.4.4 Slot 6

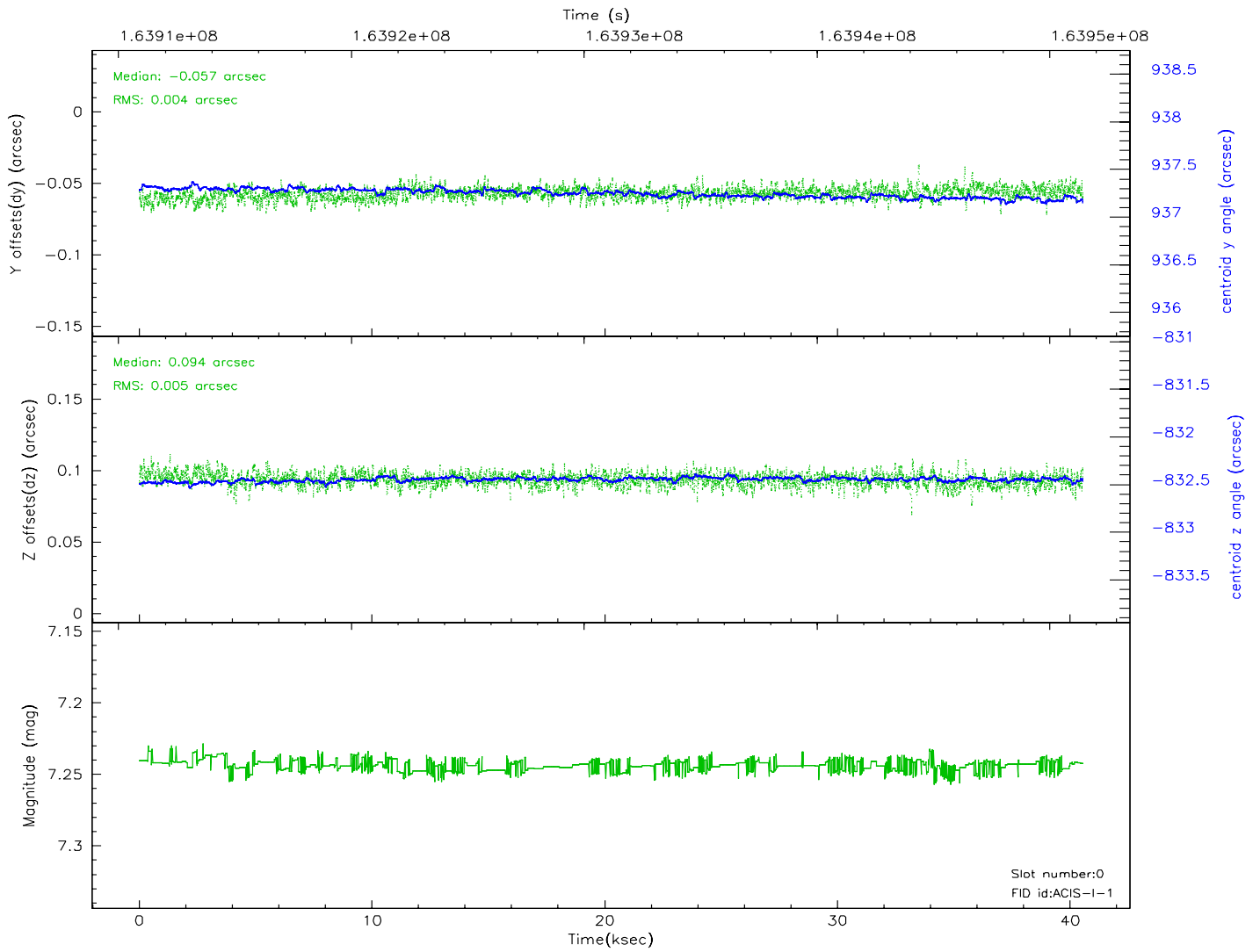
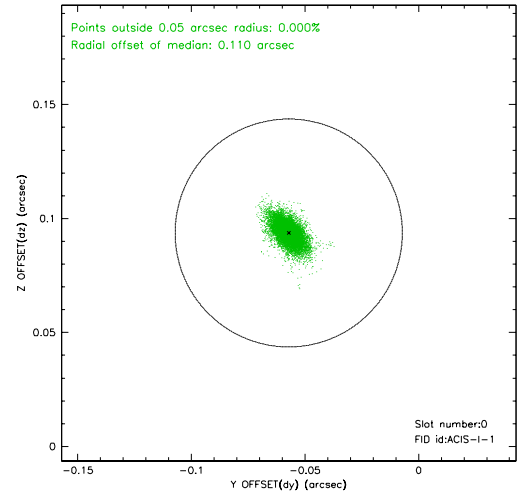
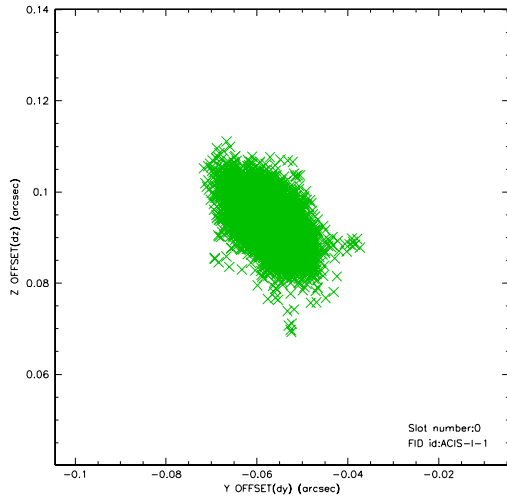


2.4.5 Slot 7

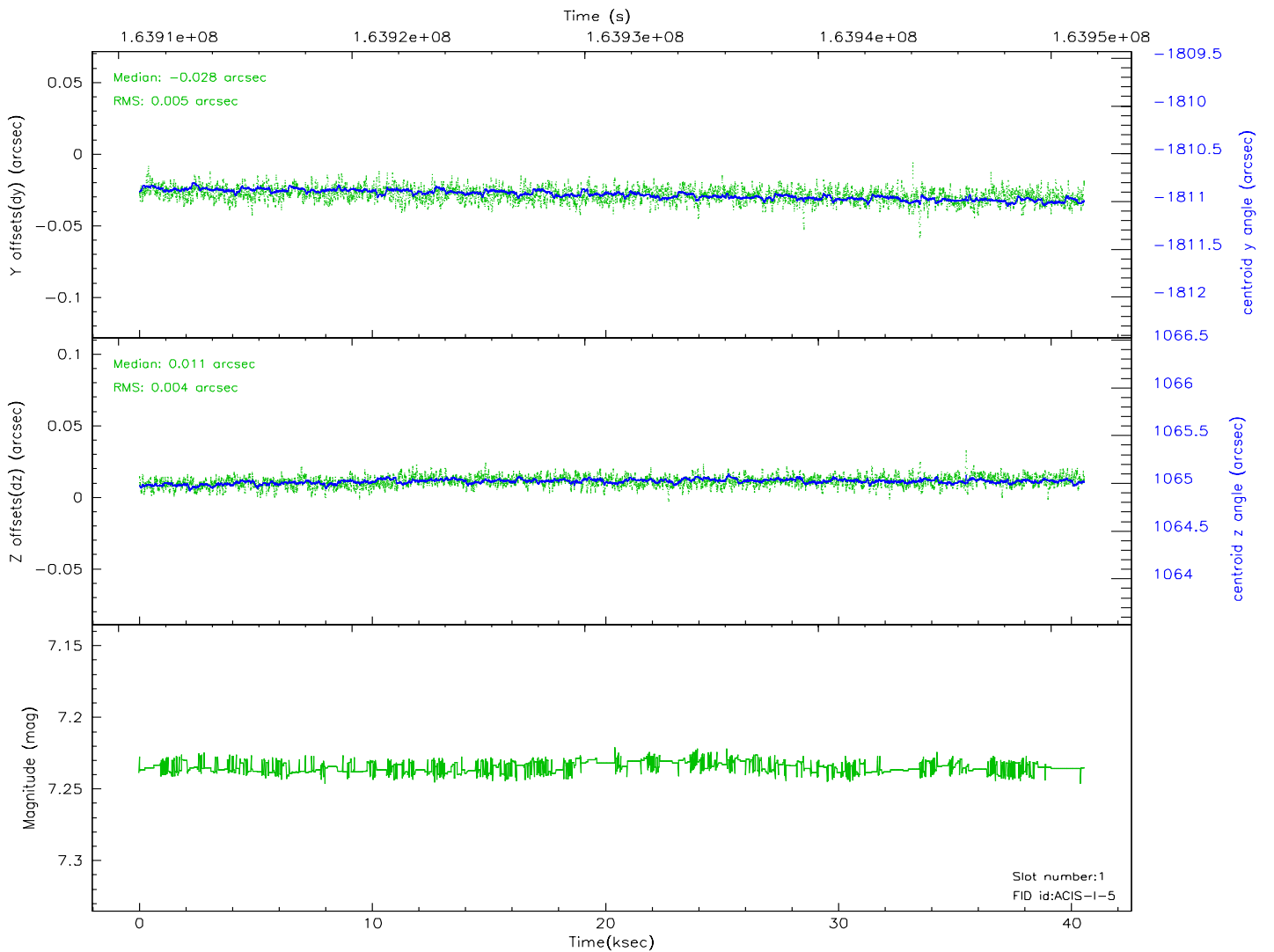
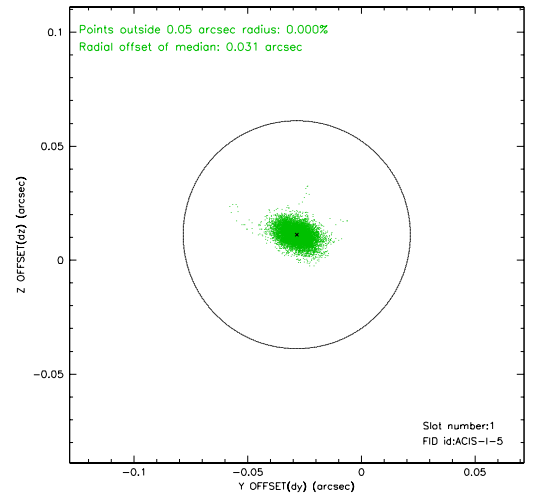
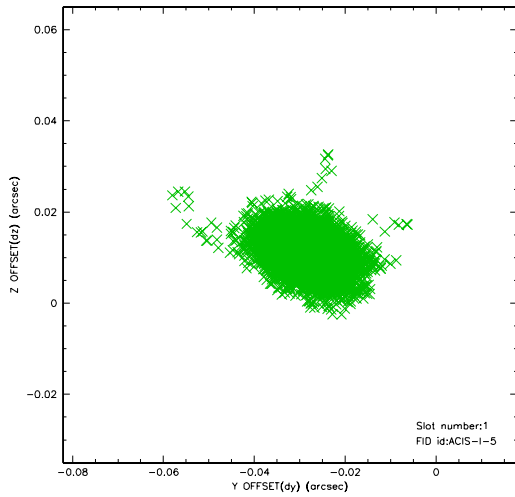


2.5 FID Slots

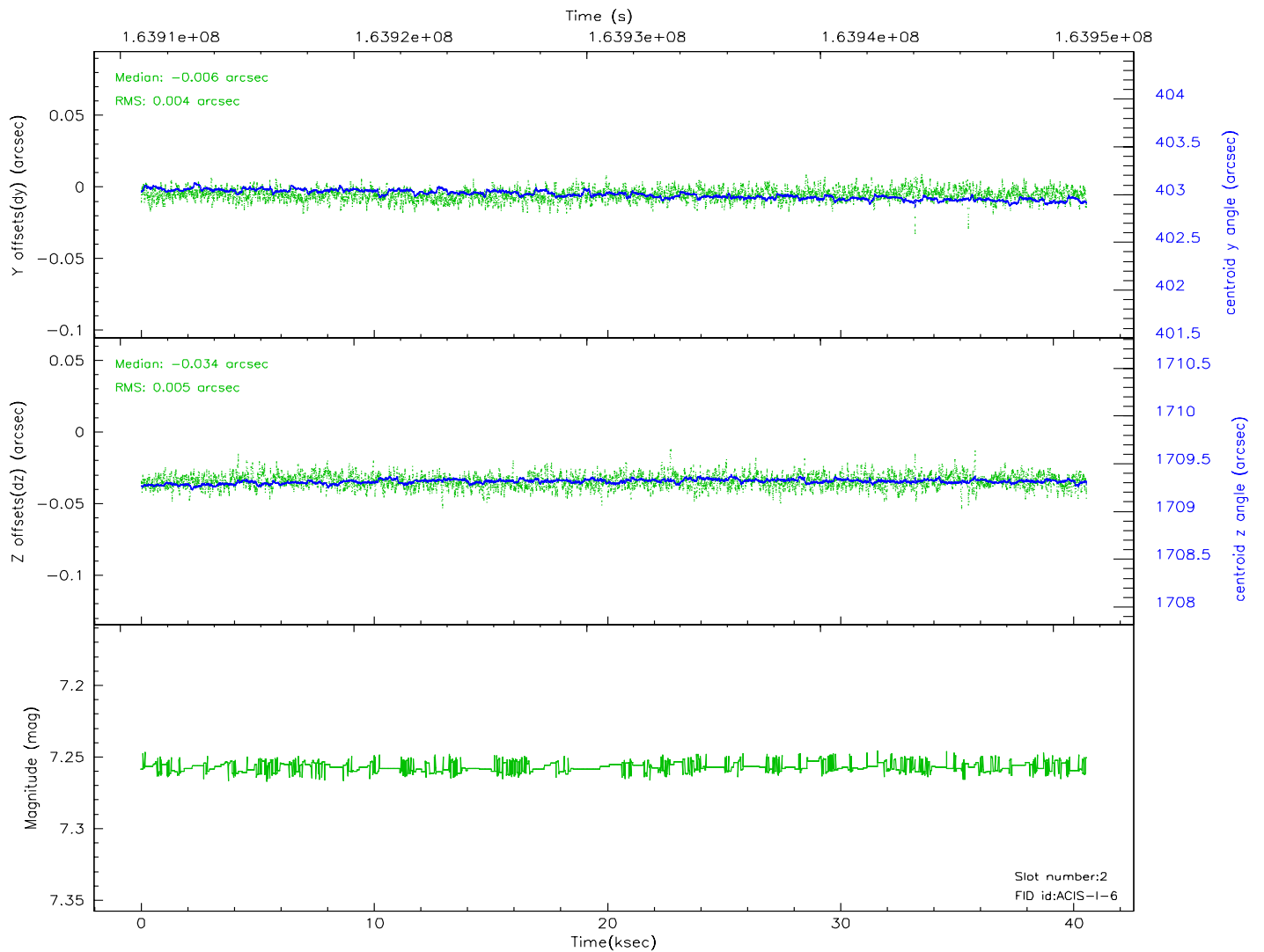
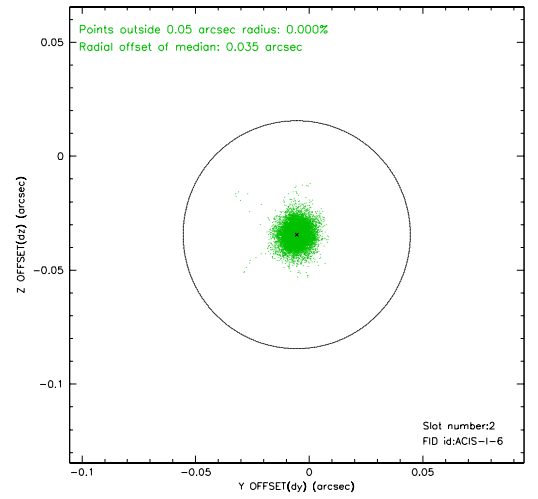
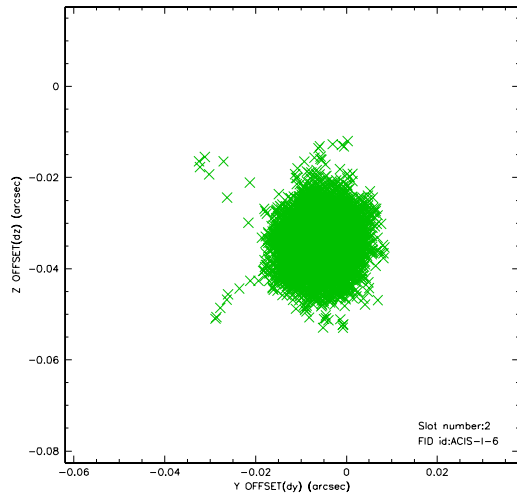
2.5.1 Slot 0



2.5.2 Slot 1

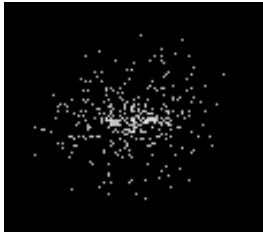


2.5.3 Slot 2

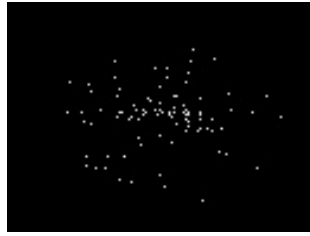


3 Point Sources

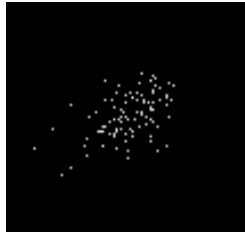
8.48 arcmin



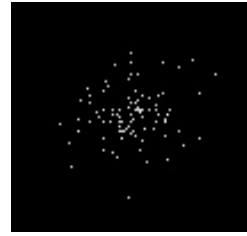
4.08 arcmin



3.97 arcmin



5.23 arcmin



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.347

A.2 Comments