

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5930 - L2 Version 002
Chandra X-Ray Center

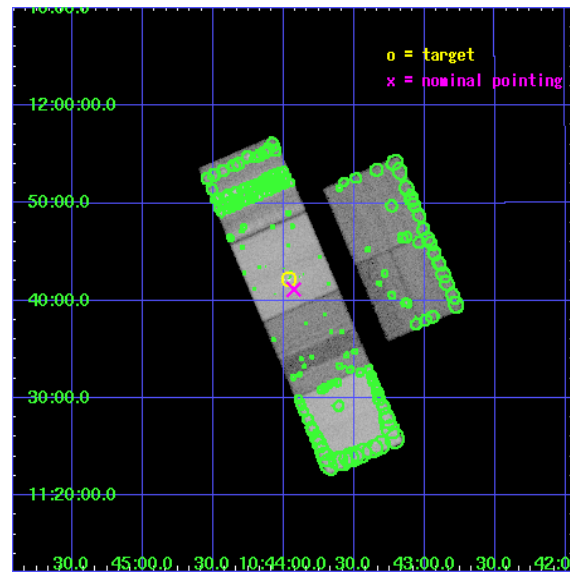
L2 Processing Date: Mar 3 2006

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1 Front

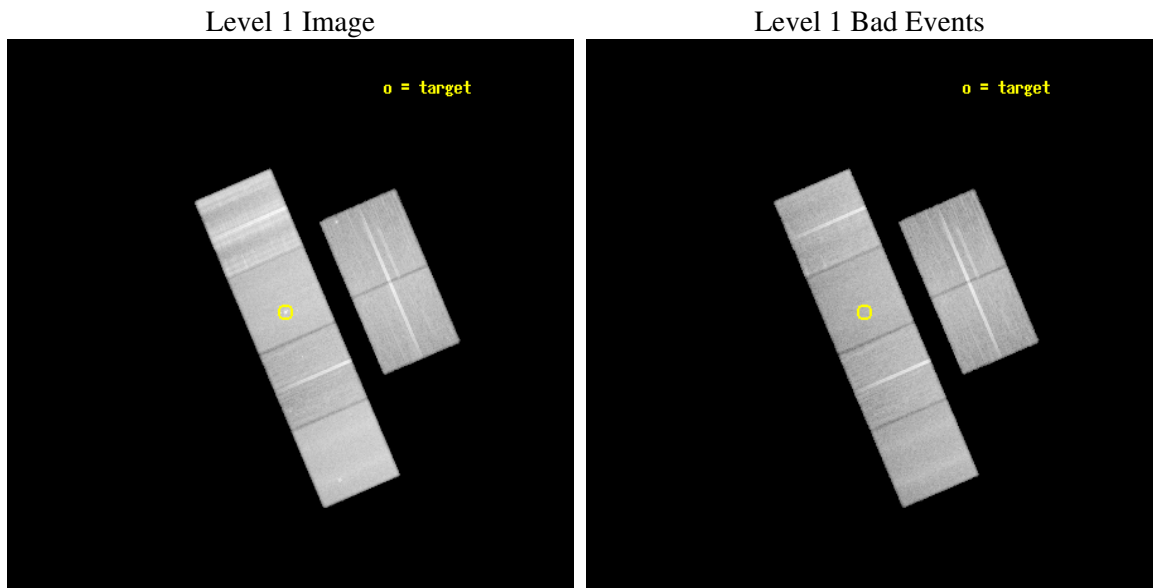
seq_num	600449
obs_id	5930
title	X-rays and Galactic Structure
observer	Dr. Douglas Swartz
object	NGC 3351
dtcycle	0
cycle	P
ra_targ	160.991667
dec_targ	11.704167
ra_nom	160.98173718135
dec_nom	11.685850195659
roll_nom	246.79822674863
revision	2
ontime	39955.199851155
livetime	39449.263052507
ontime2	39948.717930406
ontime3	39951.958880872
ontime5	39955.199851155
ontime6	39955.199851155
ontime7	39955.199851155
ontime8	39955.199851155
l2events	616512



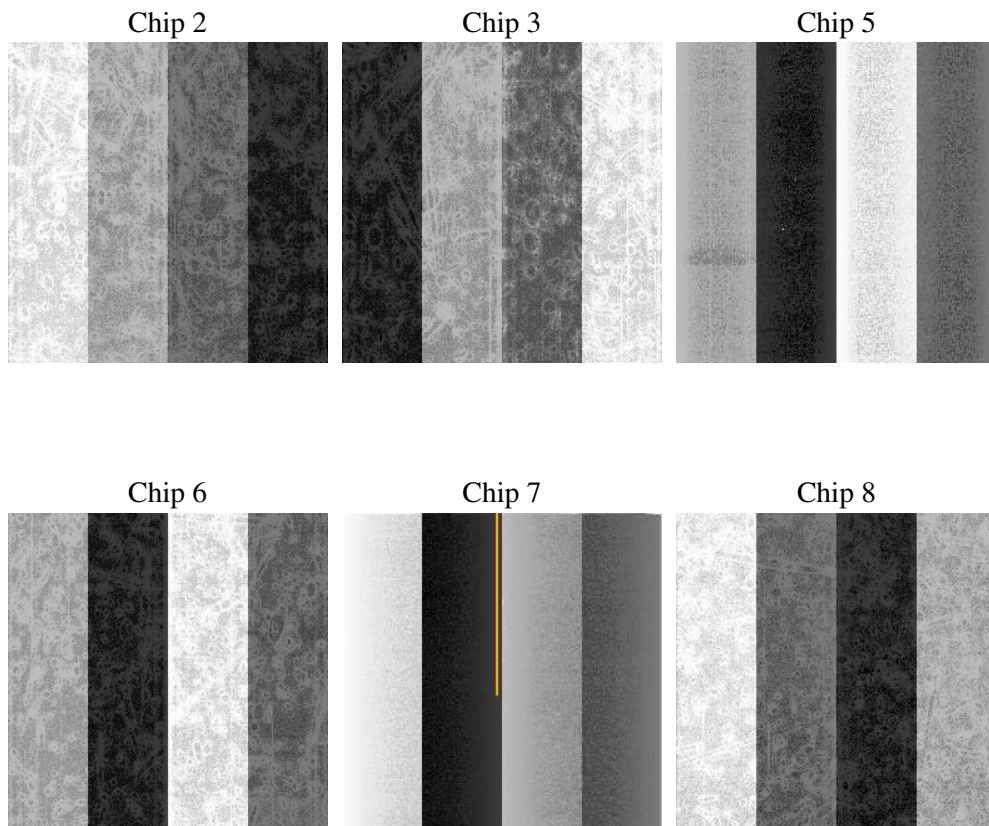
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldsver	3.2.1
date	2006-03-03T08:17:23
revision	2

sched_exp_time	40000.000000
ontime	39961.605529428
ontime2	39955.123608679
ontime3	39958.364539266
ontime5	39961.605529428
ontime6	39961.605529428
ontime7	39961.605529428
ontime8	39961.605509549
l1events	2375229

2.1.4 Events

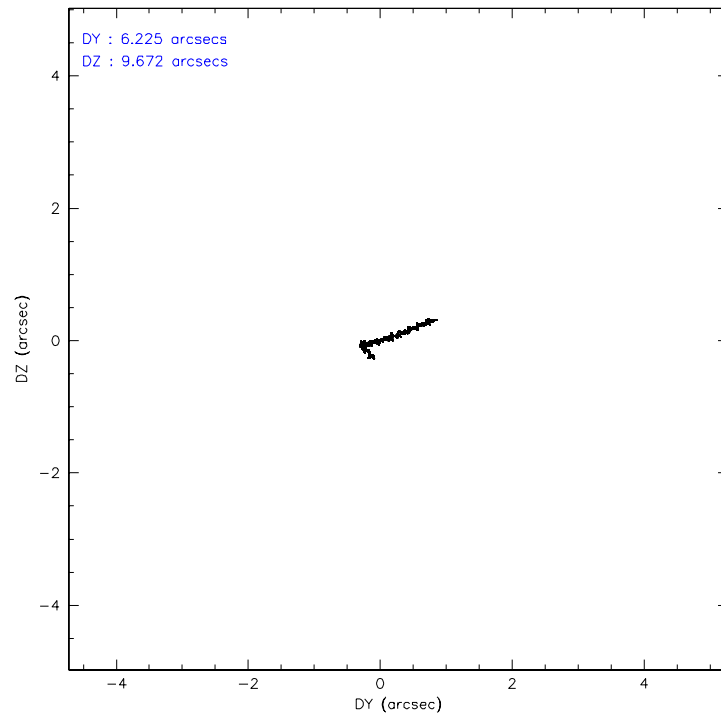
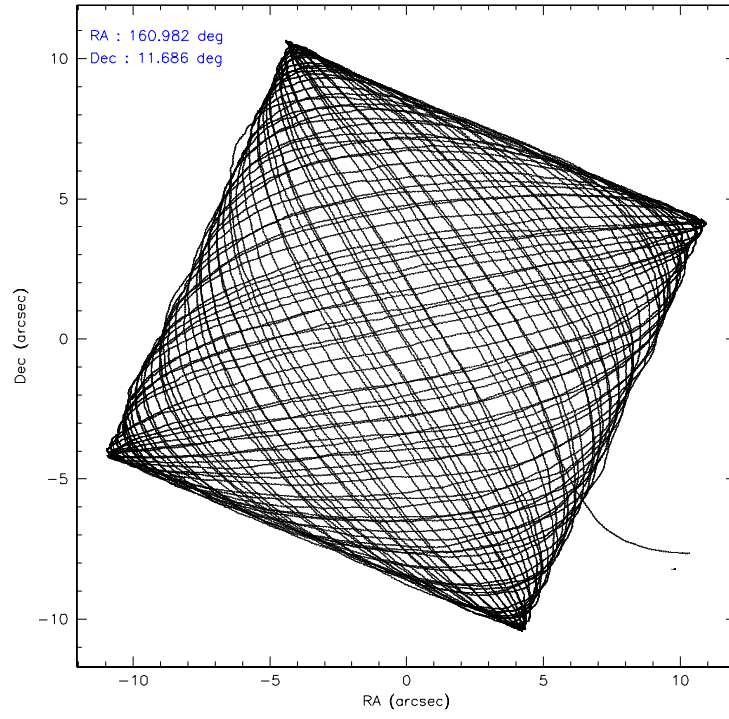
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	330841	318565	451599	335673	410923	527628
rejected events	272658	258066	255659	273905	247763	308942
rejected %	82%	81%	56%	81%	60%	58%

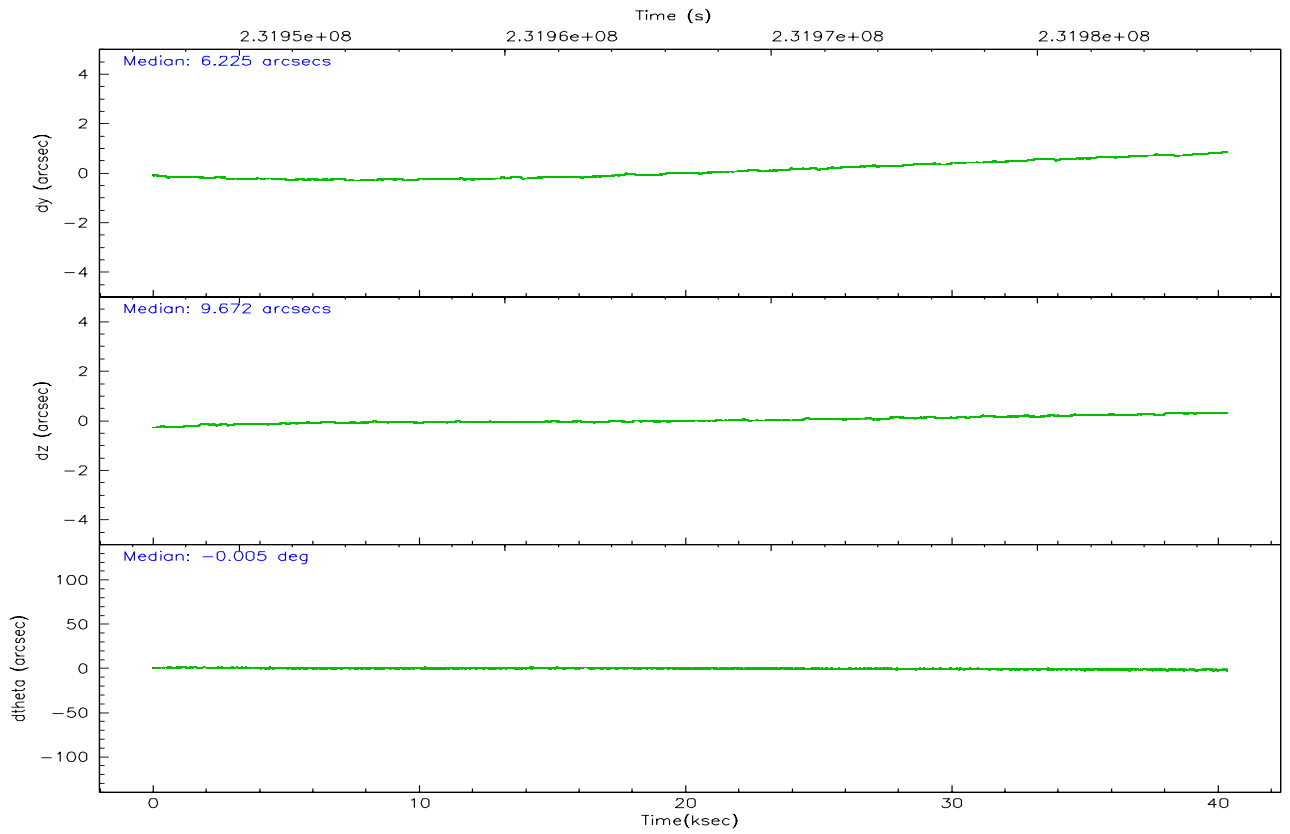
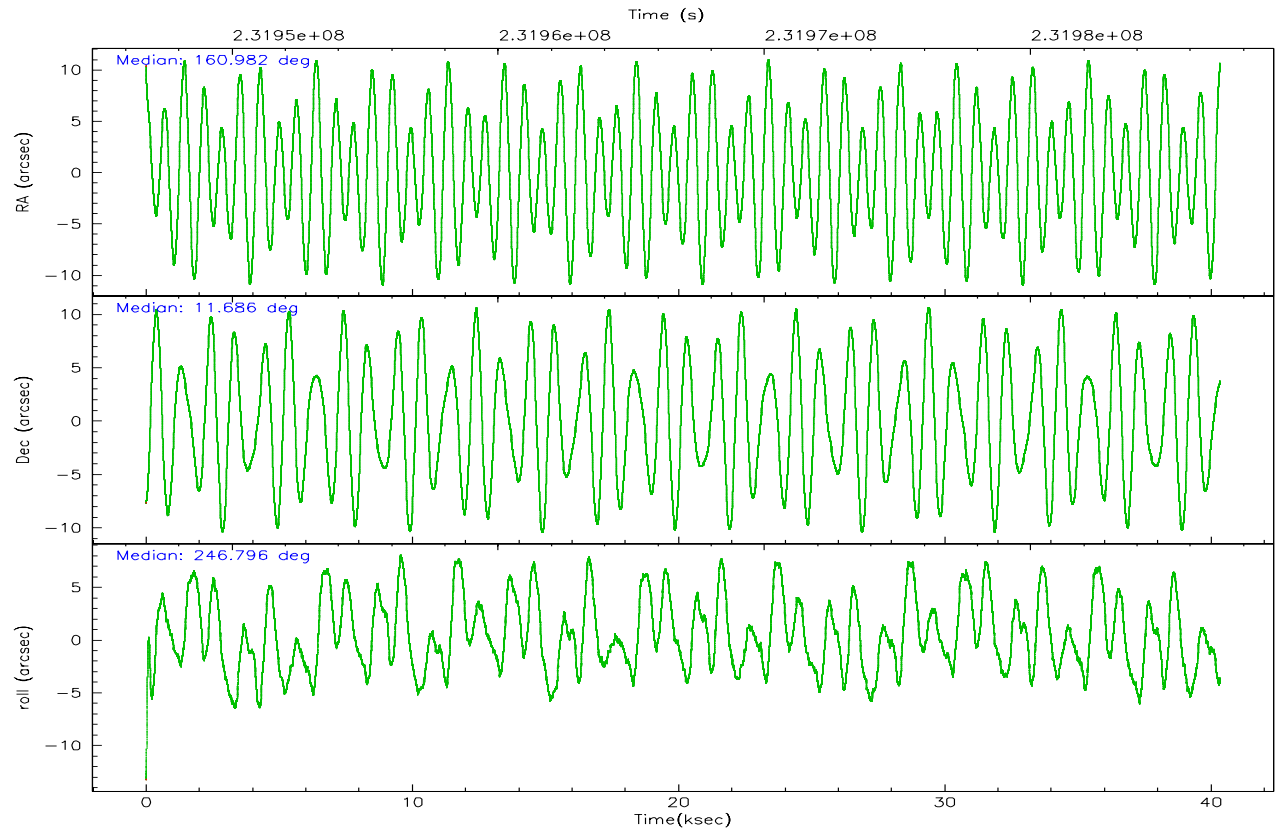
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	25776	24417	8830	24469	10093	84285
	7%	7%	1%	7%	2%	15%
grade 1 events	234	207	600	195	312	727
	0%	0%	0%	0%	0%	0%
grade 2 events	14135	17737	62004	18778	40906	33689
	4%	5%	13%	5%	9%	6%
grade 3 events	3411	3487	5749	3643	8295	33840
	1%	1%	1%	1%	2%	6%
grade 4 events	4140	3703	5456	3532	8087	30211
	1%	1%	1%	1%	1%	5%
grade 5 events	11427	12742	21227	13353	25283	18157
	3%	3%	4%	3%	6%	3%
grade 6 events	10726	11161	113939	11350	95798	36680
	3%	3%	25%	3%	23%	6%
grade 7 events	260992	245111	233794	260353	222149	290039
	78%	76%	51%	77%	54%	54%

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	160.978055	160.9817371813488	Alternating exposures requested	N	N
Pointing Dec	11.712821	11.68585019565867	Primary exposure time	0.000000	3.2
Pointing Roll	246.642348	246.7982267486317			
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	231947113.184000	231946073.12386			
Observation start date	2005-05-08T13:44:09	2005-05-08T13:27:53			
Observation end time	231987113.184000	231987610.73825			
Observation end date	2005-05-09T00:50:49	2005-05-09T01:00:10			
Read mode	TIMED	TIMED			

2.3 Aspect



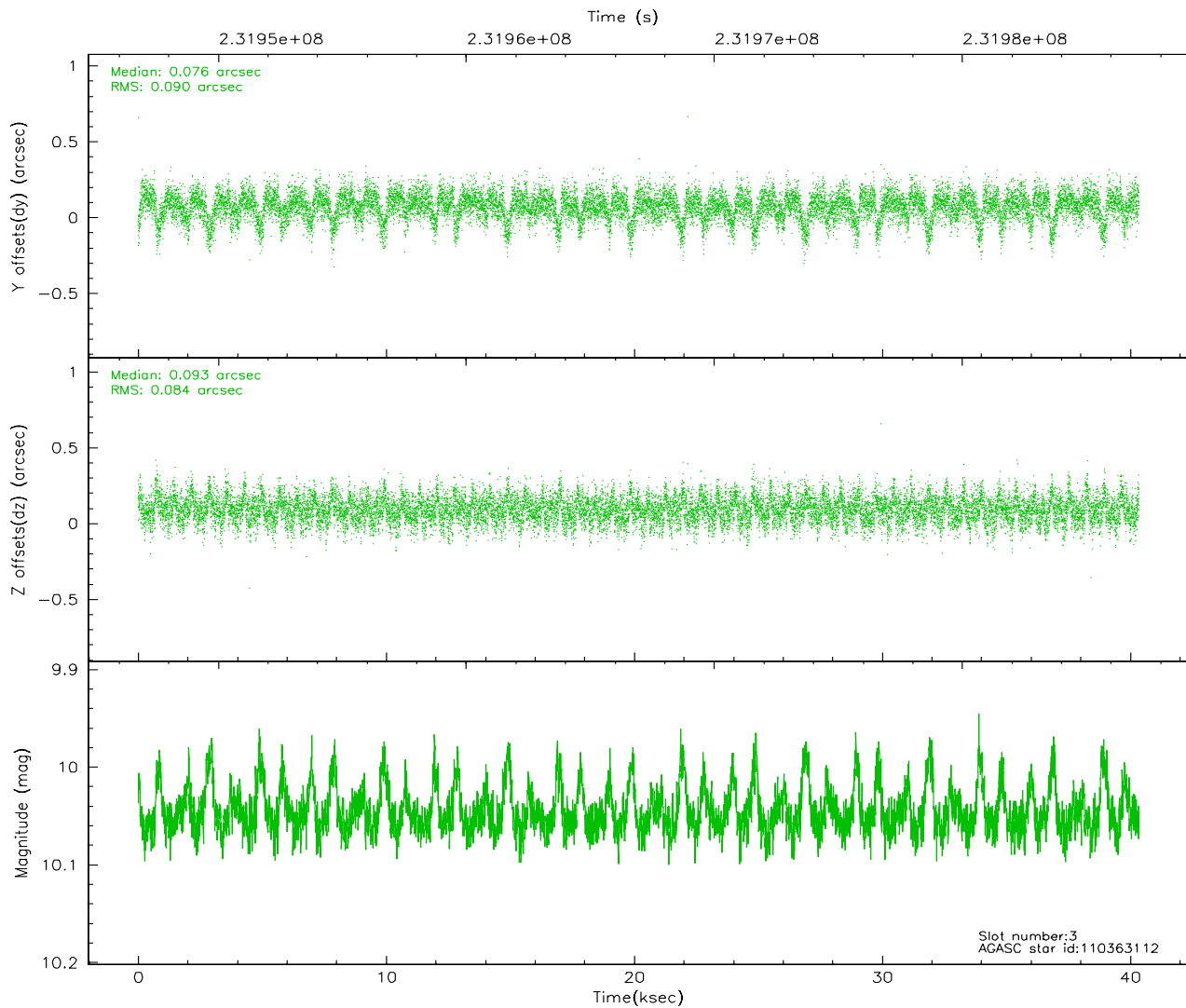
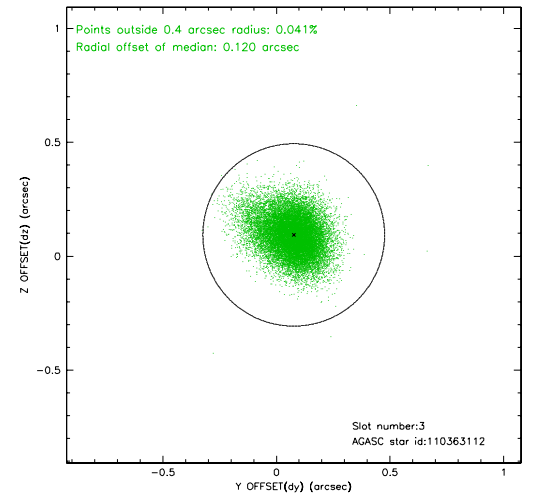
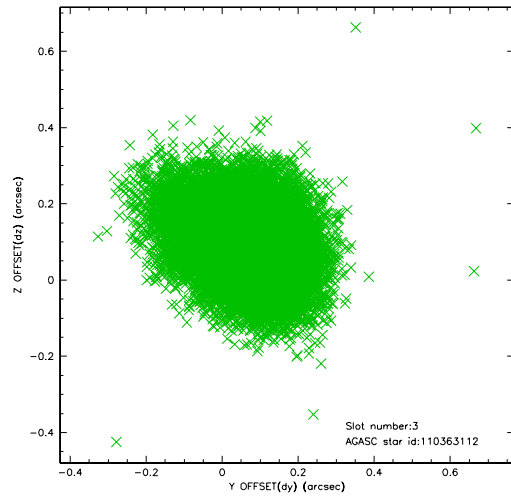


Slot Statistics

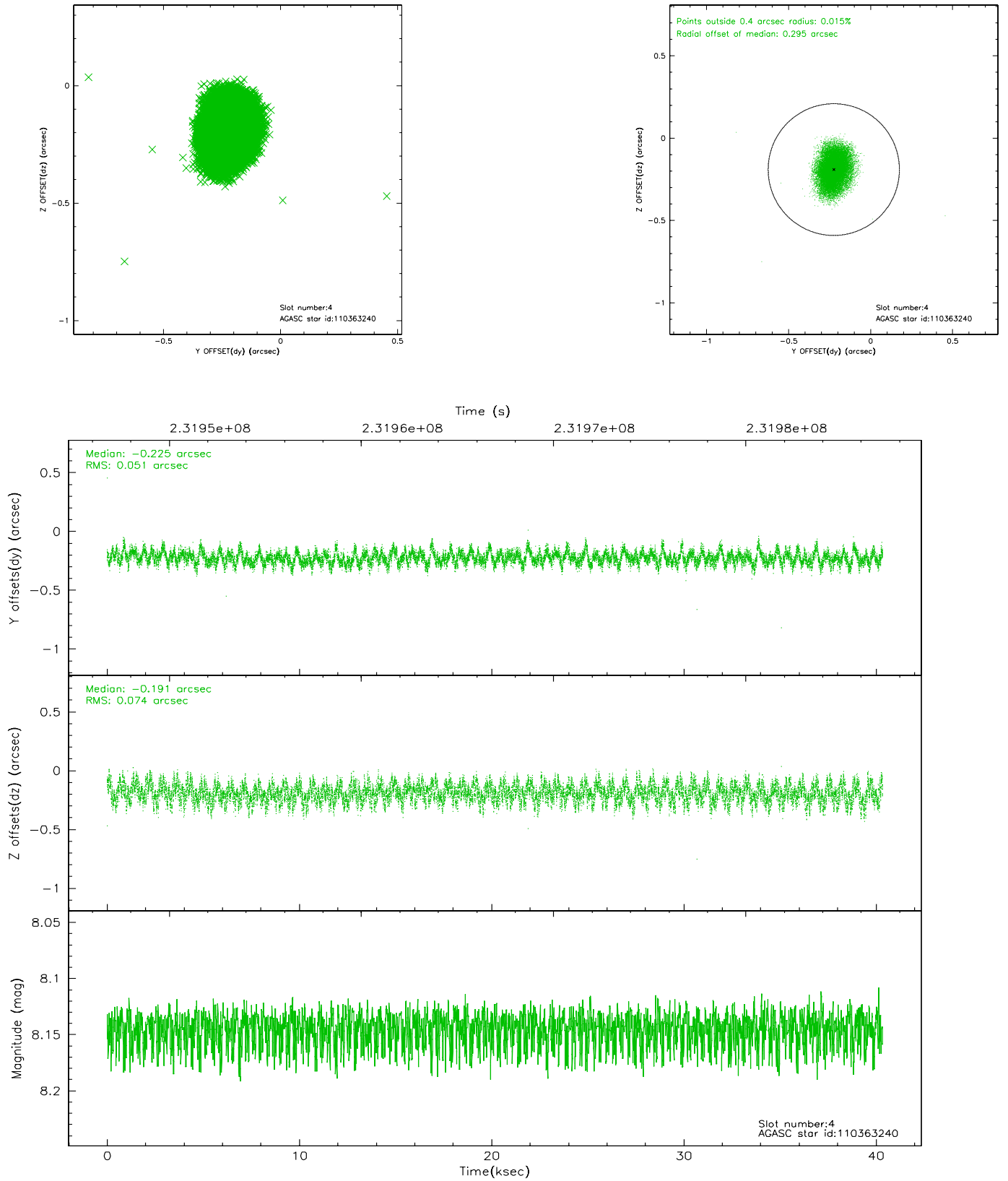
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9842	-0.052	-0.011	0.010	0.025	0.000000	0.000000	-759.10	-1730.97
1	FID	ACIS-S-4	7.21	9841	0.060	0.028	0.009	0.035	0.000000	0.000000	2154.27	177.58
2	FID	ACIS-S-5	7.23	9840	-0.041	-0.008	0.010	0.023	0.000000	0.000000	-1811.94	171.18
3	GUIDE	110363112	10.05	19646	0.076	0.093	0.128	0.218	160.492613	11.398369	1717.81	-1124.36
4	GUIDE	110363240	8.14	19681	-0.225	-0.191	0.097	0.153	160.564767	12.418075	-1755.23	-2341.42
5	GUIDE	110365200	9.27	19669	-0.251	-0.180	0.087	0.140	160.778767	12.493533	-2302.43	-1758.11
6	GUIDE	111280632	9.86	19636	0.101	0.221	0.152	0.242	161.089942	11.335611	1090.47	901.16
7	GUIDE	111281680	10.23	19657	0.306	0.060	0.172	0.281	161.020105	11.200959	1633.74	867.02

2.4 Star Slots

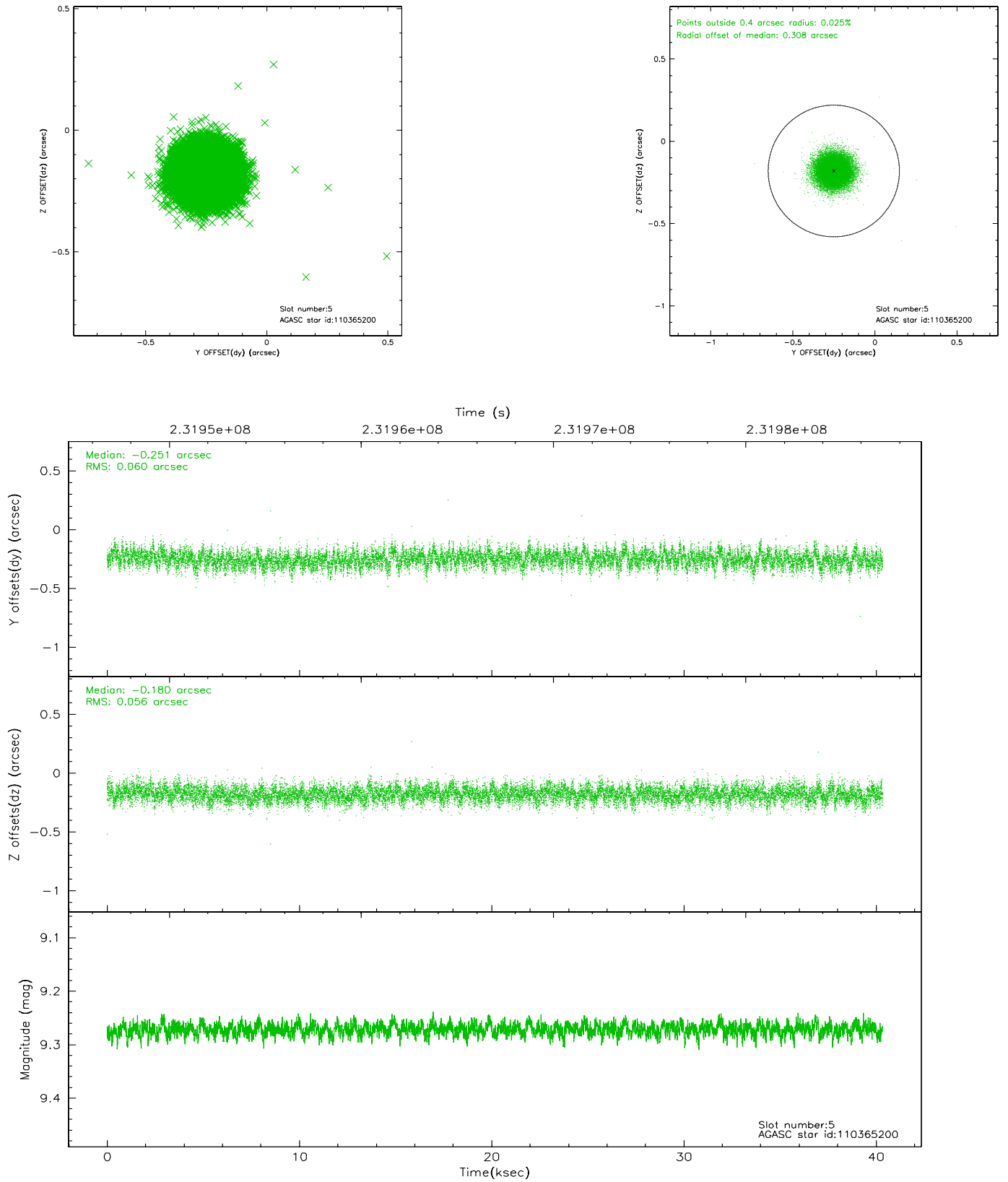
2.4.1 Slot 3



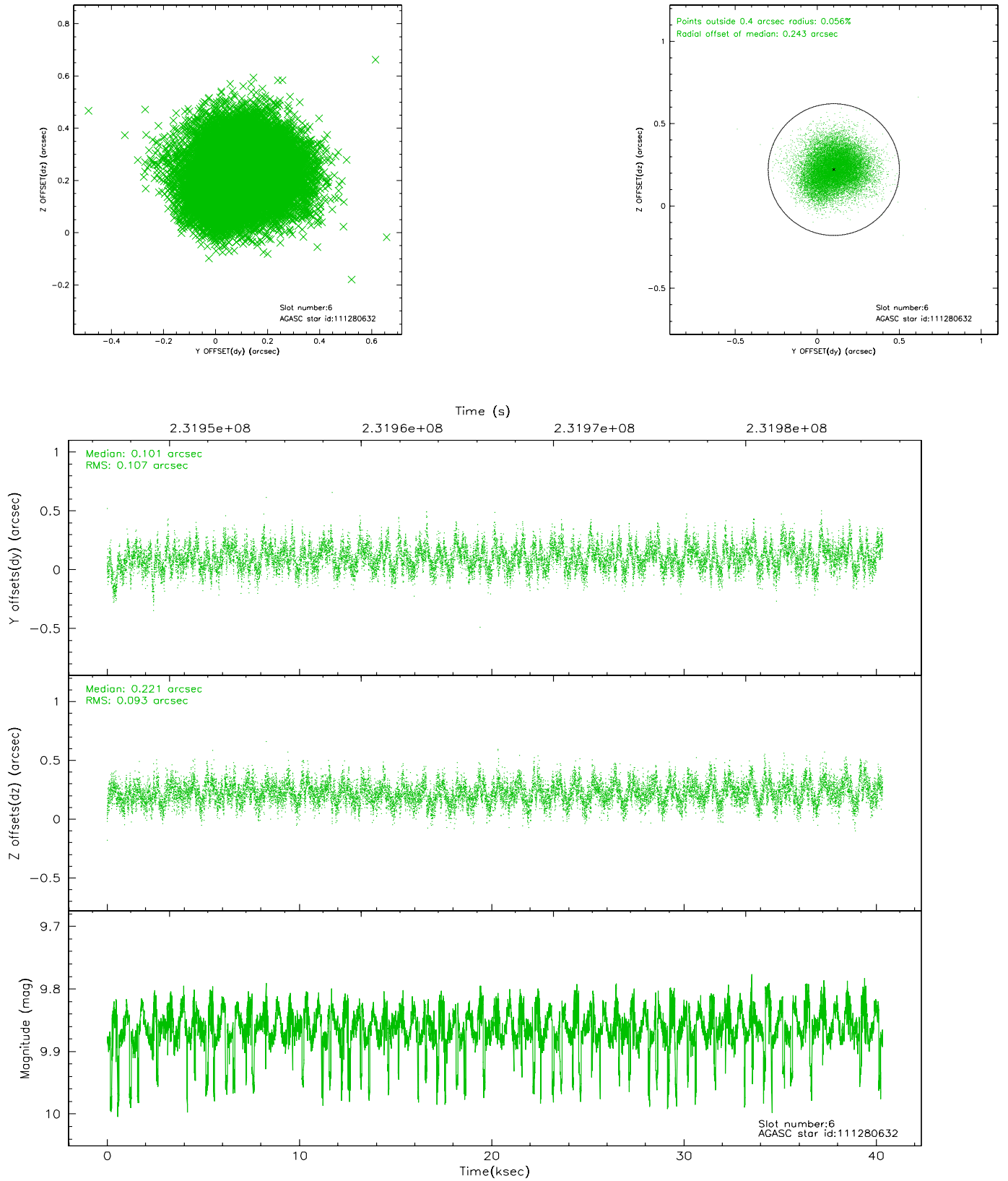
2.4.2 Slot 4



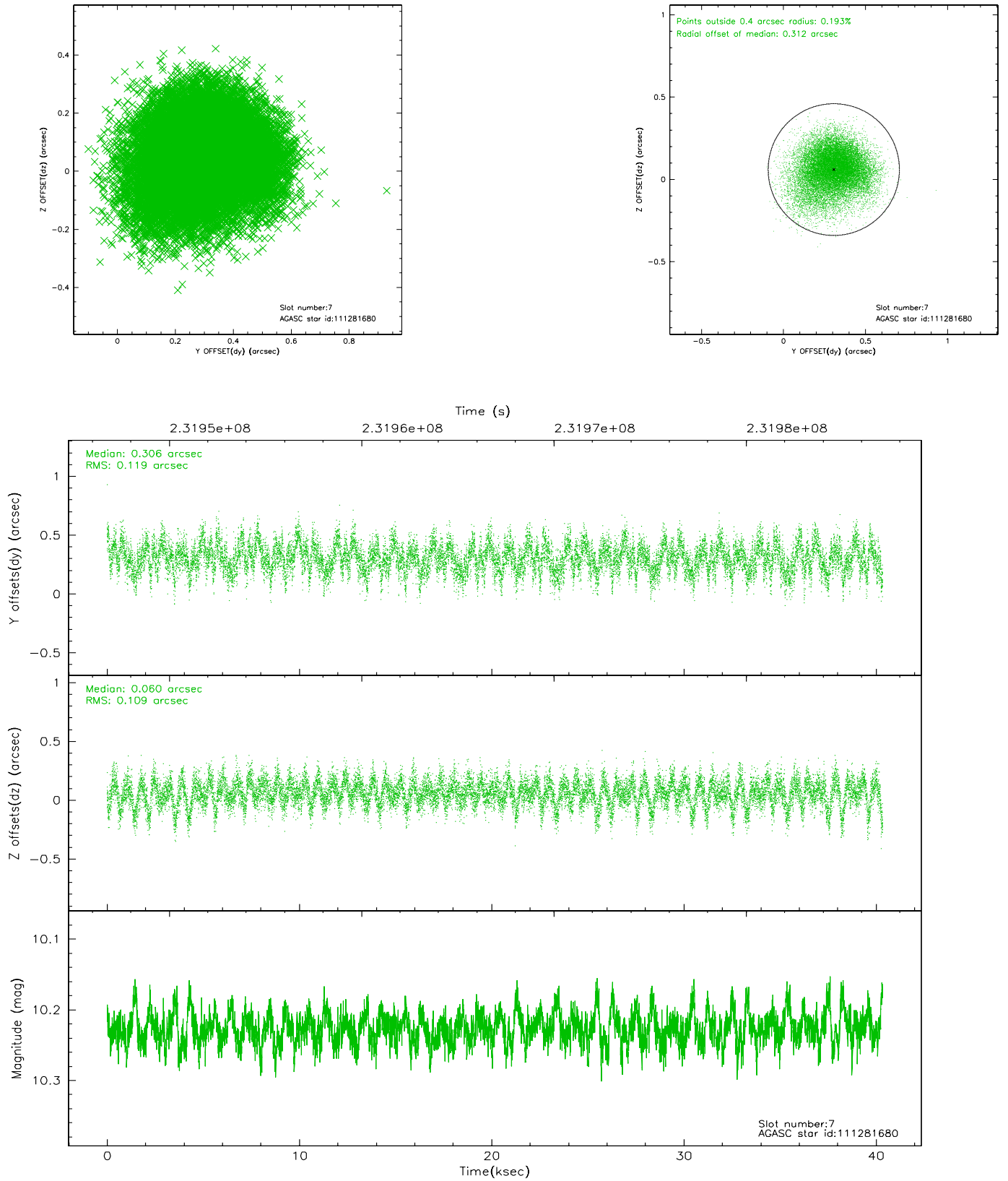
2.4.3 Slot 5



2.4.4 Slot 6

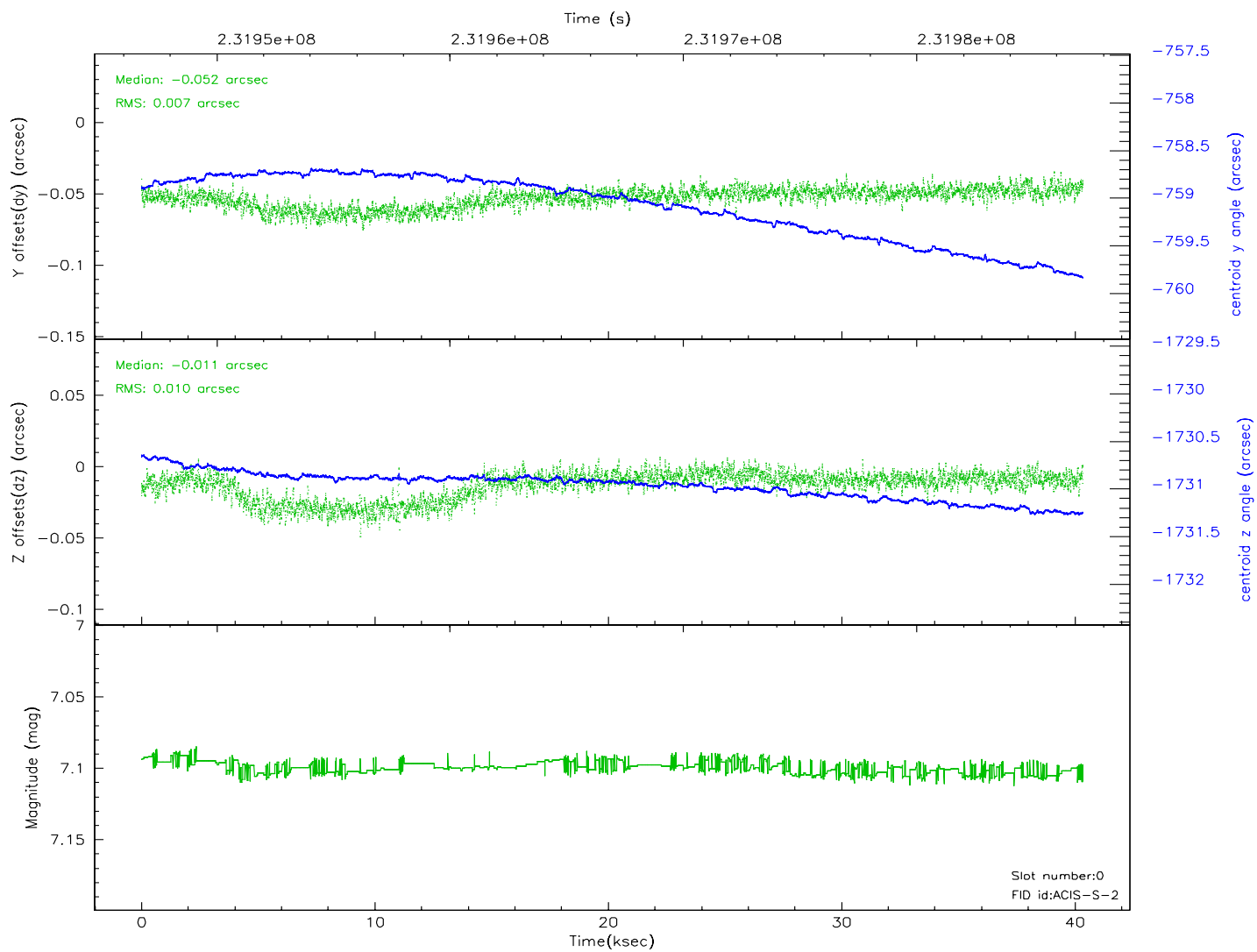
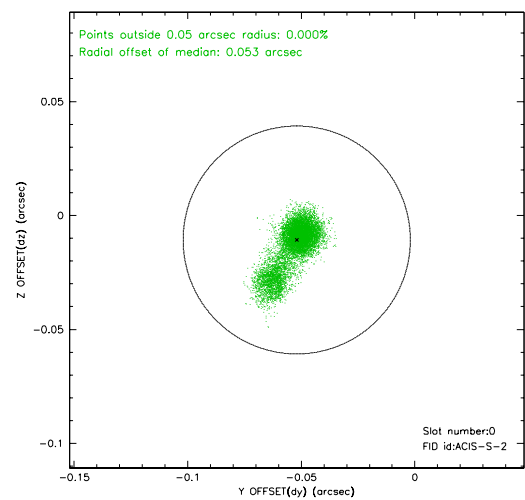
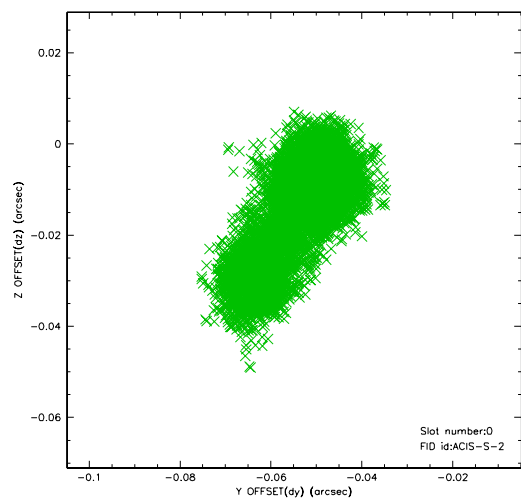


2.4.5 Slot 7

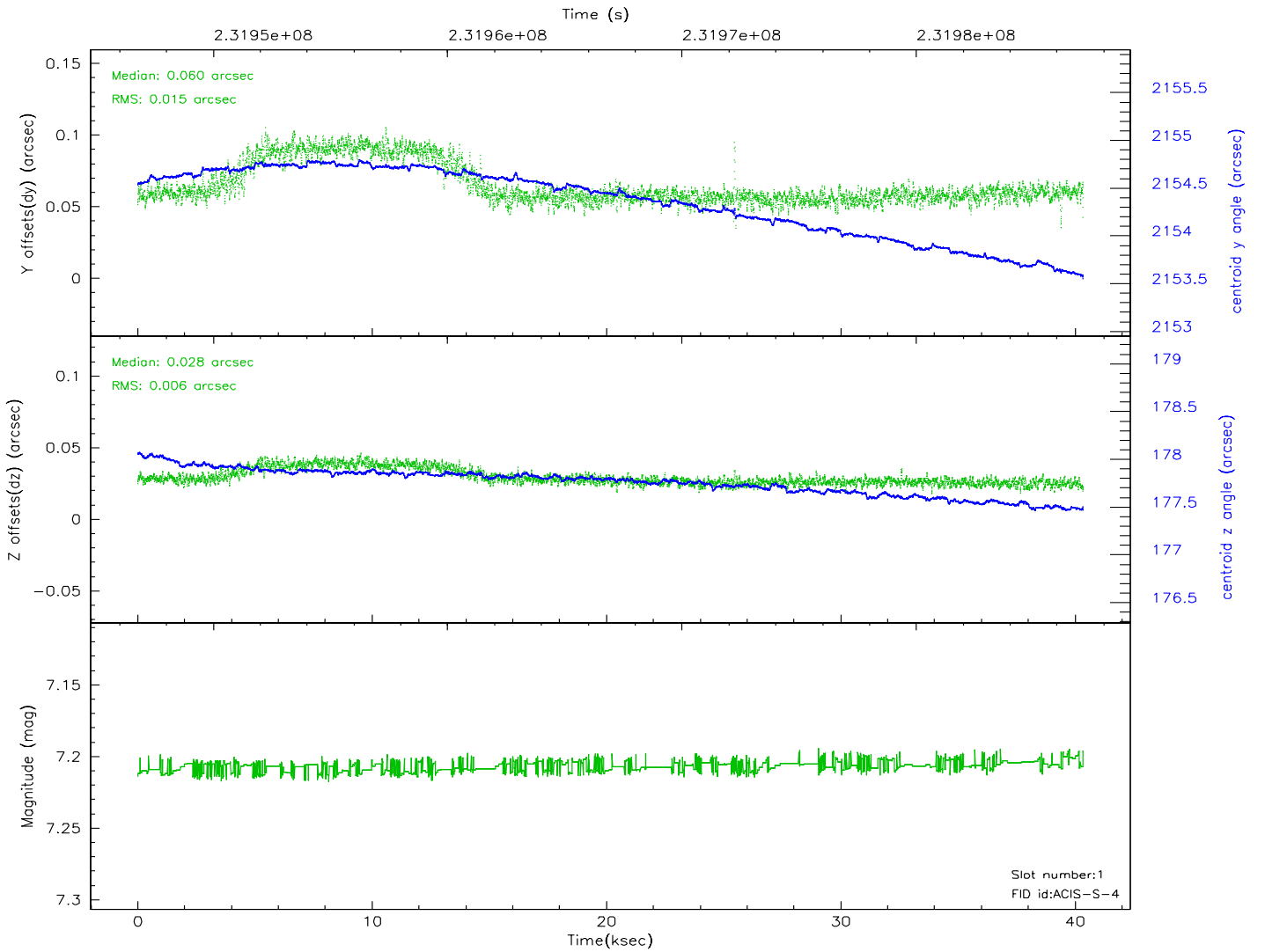
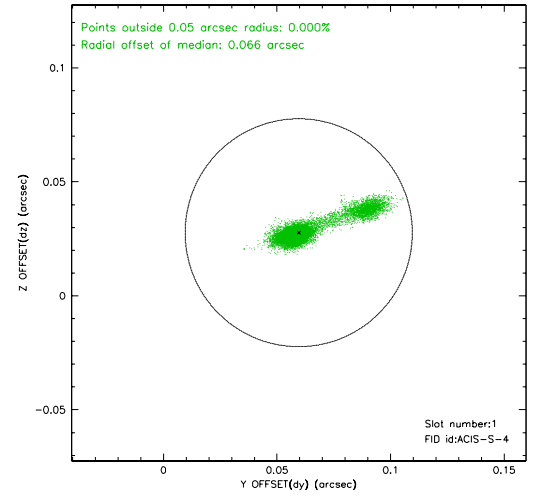
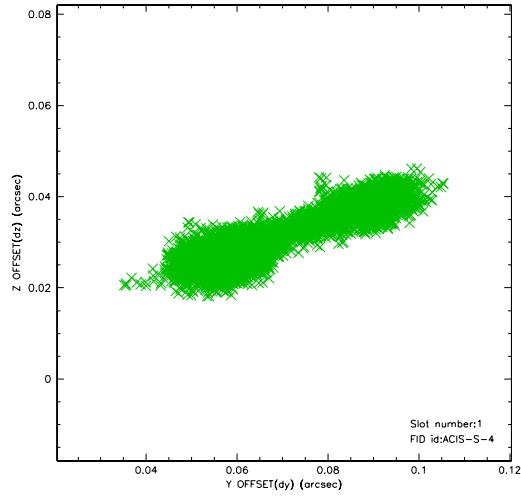


2.5 FID Slots

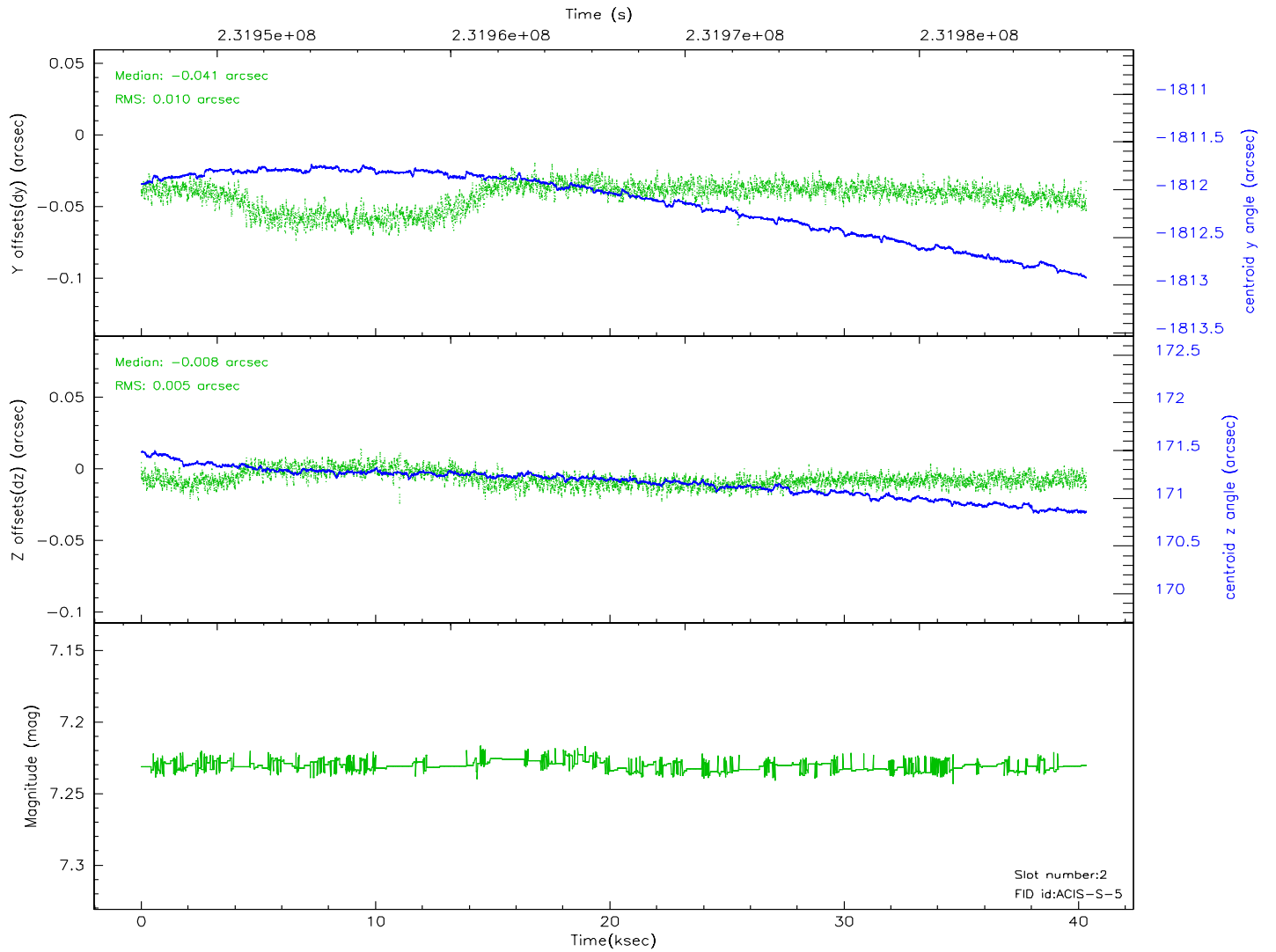
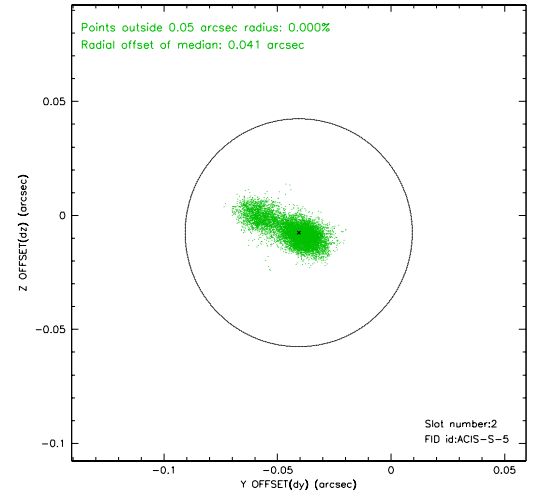
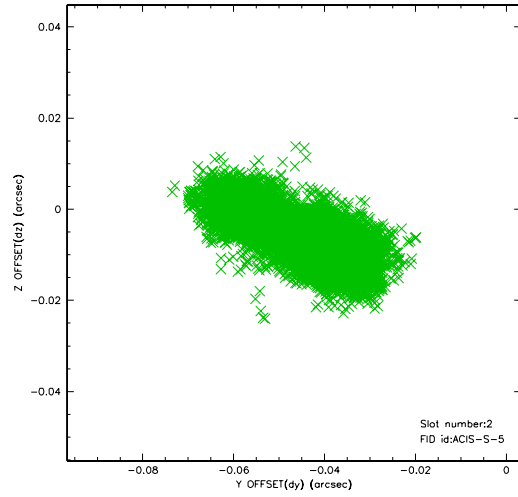
2.5.1 Slot 0



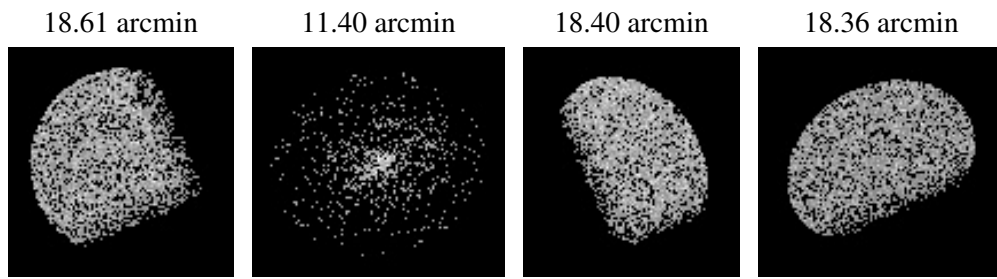
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	39.95519

A.2 Comments

Focal plane tempterature is elevated during initial ~5 ksec of observation. Calibration may be affected.