

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 3029 - L2 Version 001
Chandra X-Ray Center

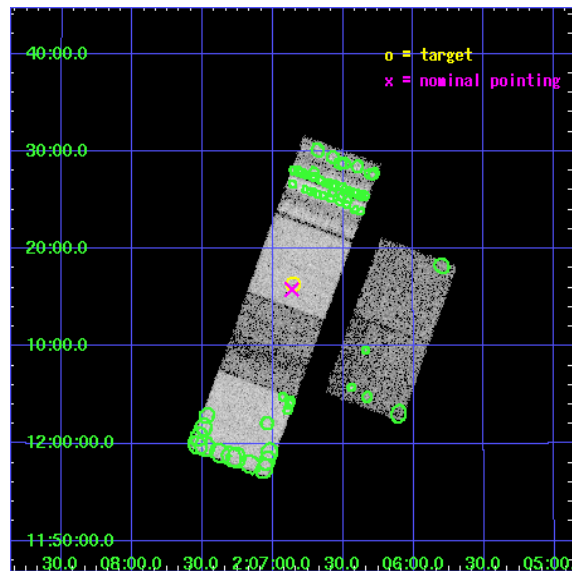
L2 Processing Date : Jan 16 2007

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1 Front

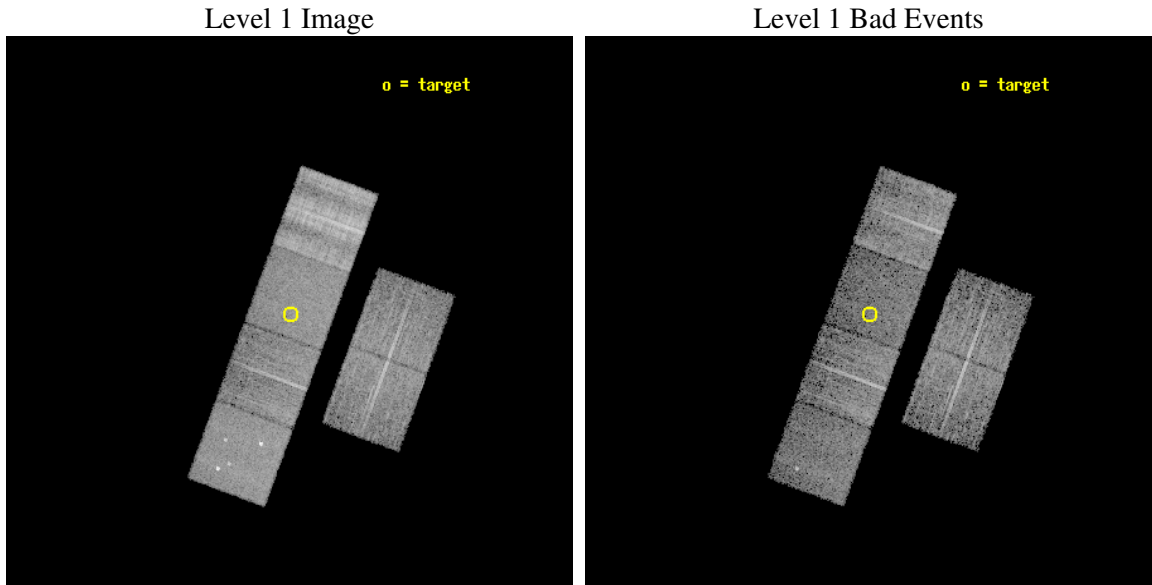
seq_num	700468
obs_id	3029
title	A CHANDRA AND XMM-NEWTON STUDY OF THE MOST DISTANT QUASARS: X-RAYING THE FIRST MASSIVE BLACK HOLES
observer	Prof. William Brandt
object	SDSS020651+121624
dtcycle	0
cycle	P
ra_targ	31.714167
dec_targ	12.273444
ra_nom	31.715972480423
dec_nom	12.263847427679
roll_nom	290.23823266144
revision	2
ontime	5958.4000055492
livetime	5882.9511569612
ontime2	5955.1590352952
ontime3	5958.4000055492
ontime5	5958.4000055492
ontime6	5958.4000055492
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l2events	103040



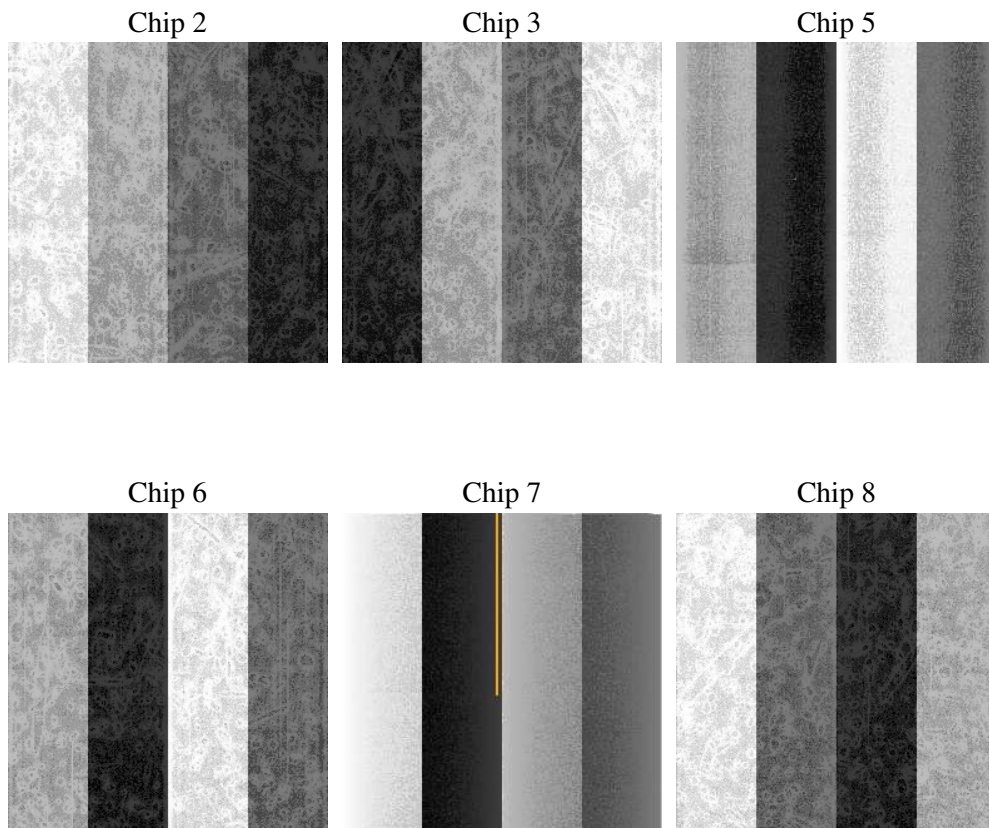
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.10
caldbver	3.3.0
date	2007-01-17T01:53:15
revision	2

sched_exp_time	6000.000000
ontime	5958.4000055492
ontime2	5955.1590352952
ontime3	5958.4000055492
ontime5	5958.4000055492
ontime6	5958.4000055492
ontime7	5958.4000055492
ontime8	5958.4000055492
l1events	376102

2.1.4 Events

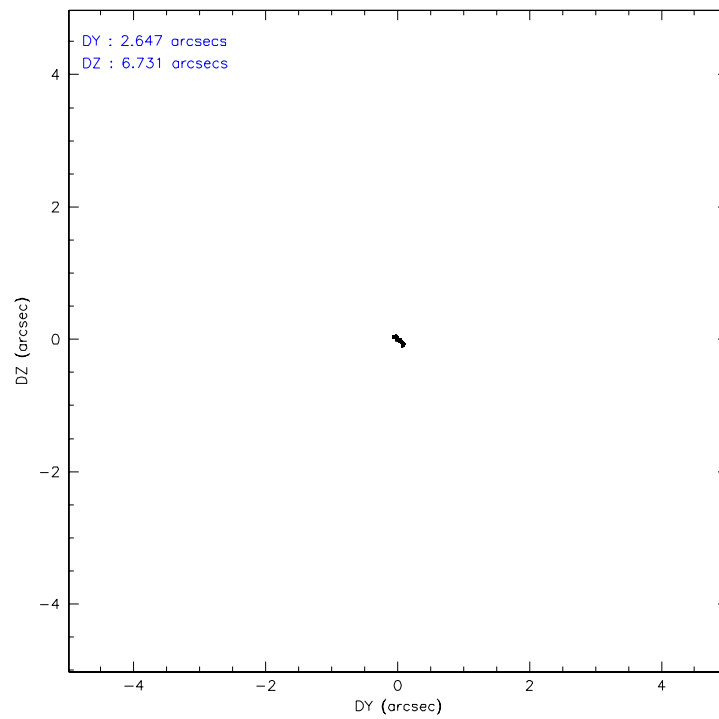
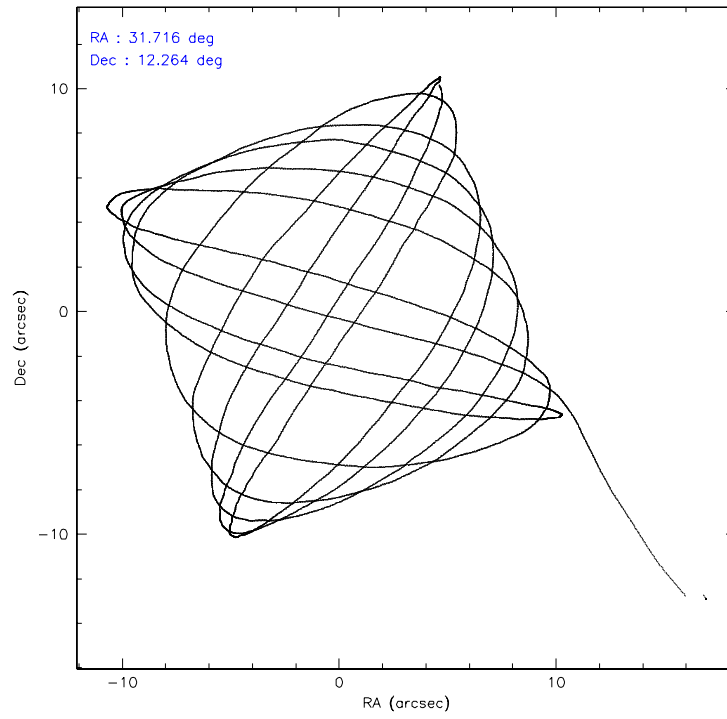
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	52615	50521	66615	52223	58489	95639
rejected events	43791	41980	33187	43068	30687	51508
rejected %	83%	83%	49%	82%	52%	53%

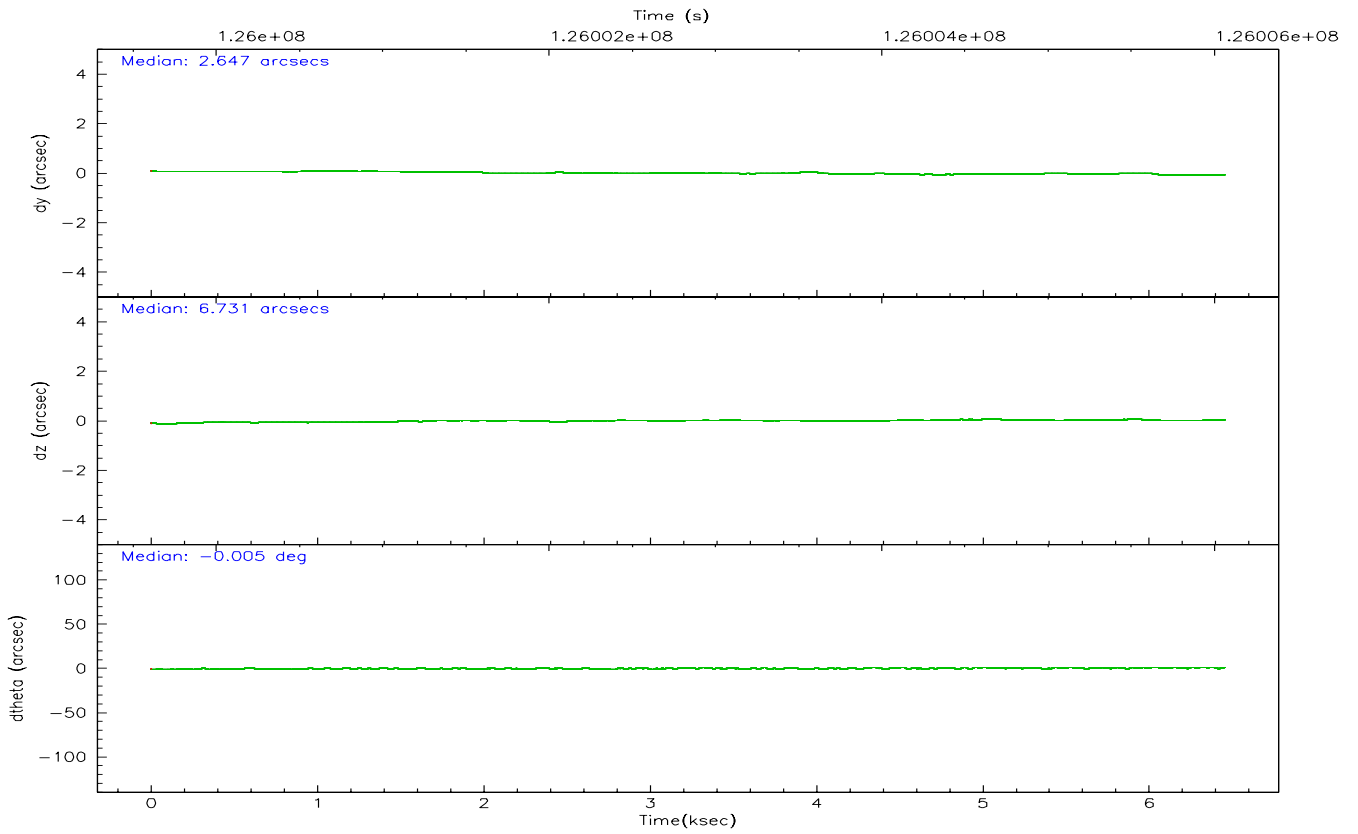
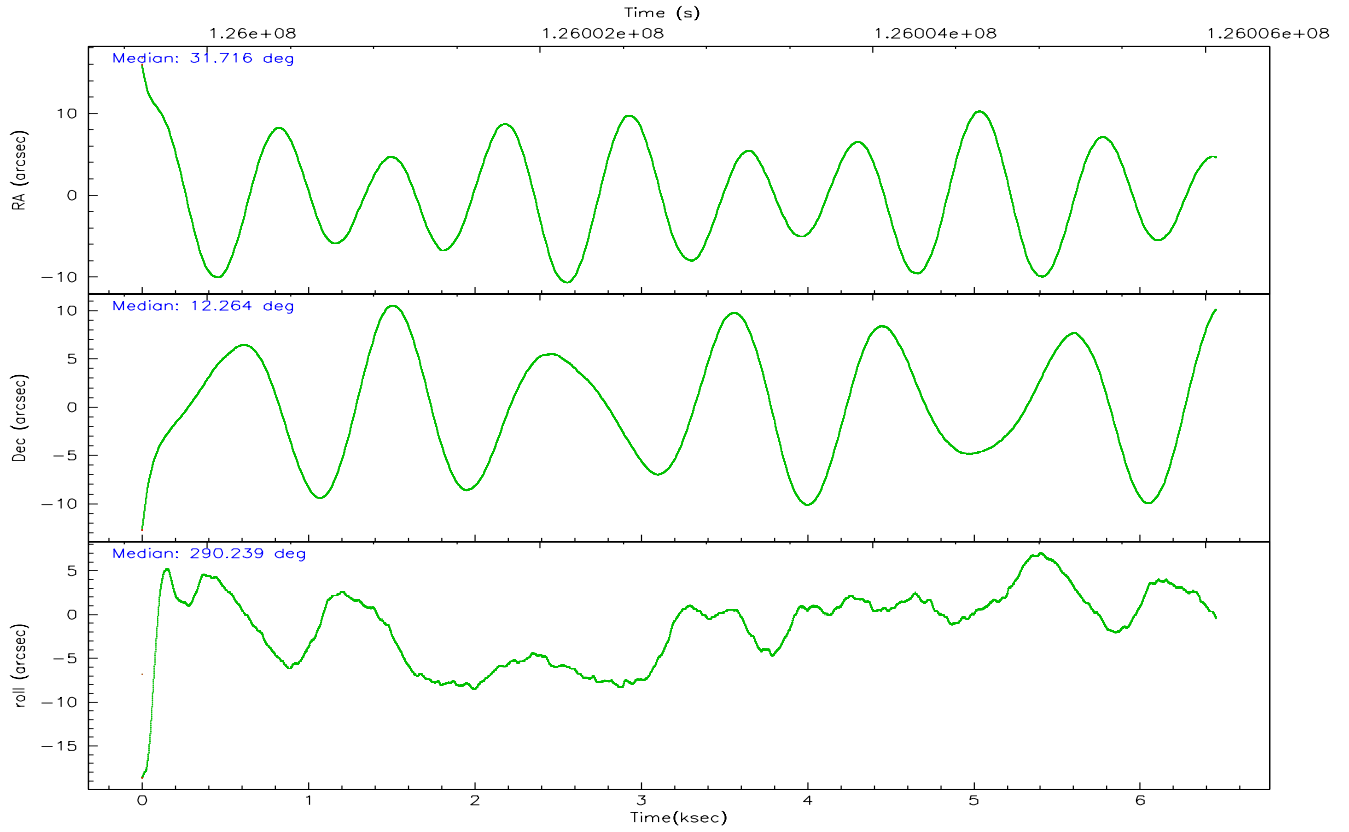
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	3937	3708	4502	4063	2845	13543
	7%	7%	6%	7%	4%	14%
grade 1 events	31	25	105	27	72	112
	0%	0%	0%	0%	0%	0%
grade 2 events	2315	2283	10176	2467	5601	7665
	4%	4%	15%	4%	9%	8%
grade 3 events	490	507	1615	535	2508	6395
	0%	1%	2%	1%	4%	6%
grade 4 events	582	557	1423	547	2413	5719
	1%	1%	2%	1%	4%	5%
grade 5 events	1430	1560	4680	1727	5031	2670
	2%	3%	7%	3%	8%	2%
grade 6 events	1510	1493	15732	1546	14449	10817
	2%	2%	23%	2%	24%	11%
grade 7 events	42320	40388	28382	41311	25570	48718
	80%	79%	42%	79%	43%	50%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	31.694251	31.71597248042344	Subarray requested	NONE	NONE
Pointing Dec	12.281059	12.2638474276791	Alternating exposures requested	N	N
Pointing Roll	290.086251	290.2382326614356	Primary exposure time	0.000000	3.2
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	126000065.184000	125998974.61504			
Observation start date	2001-12-29T08:00:01	2001-12-29T07:42:54			
Observation end time	126006065.184000	126007174.10287			
Observation end date	2001-12-29T09:40:01	2001-12-29T09:59:34			
Read mode	TIMED	TIMED			

2.3 Aspect



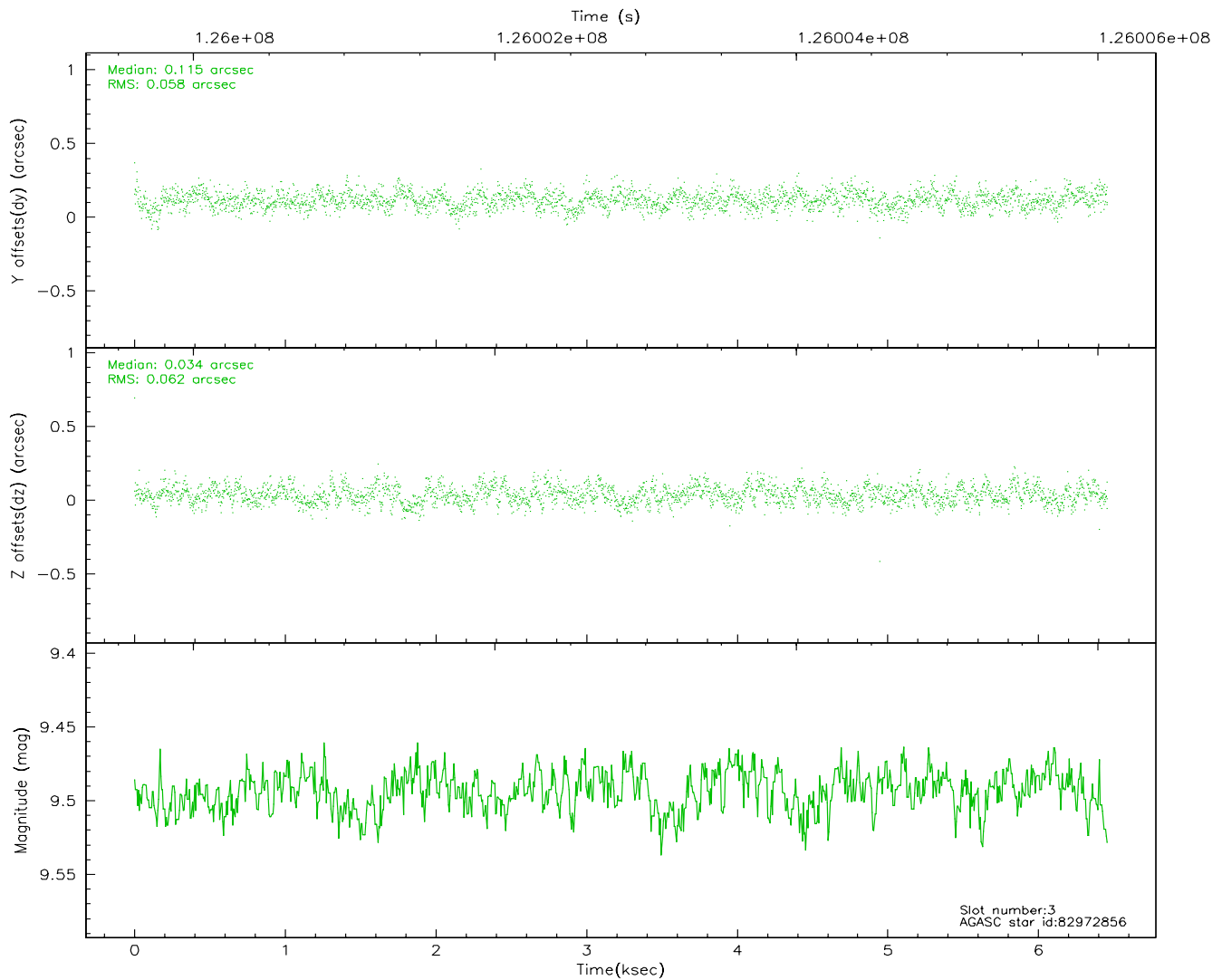
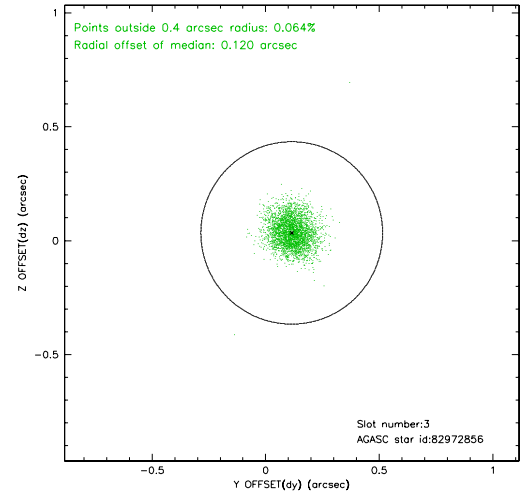
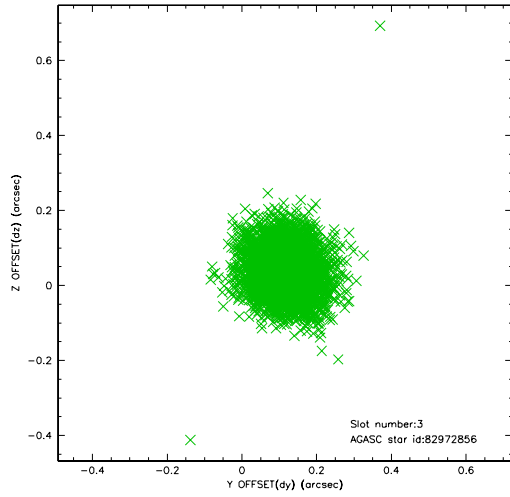


Slot Statistics

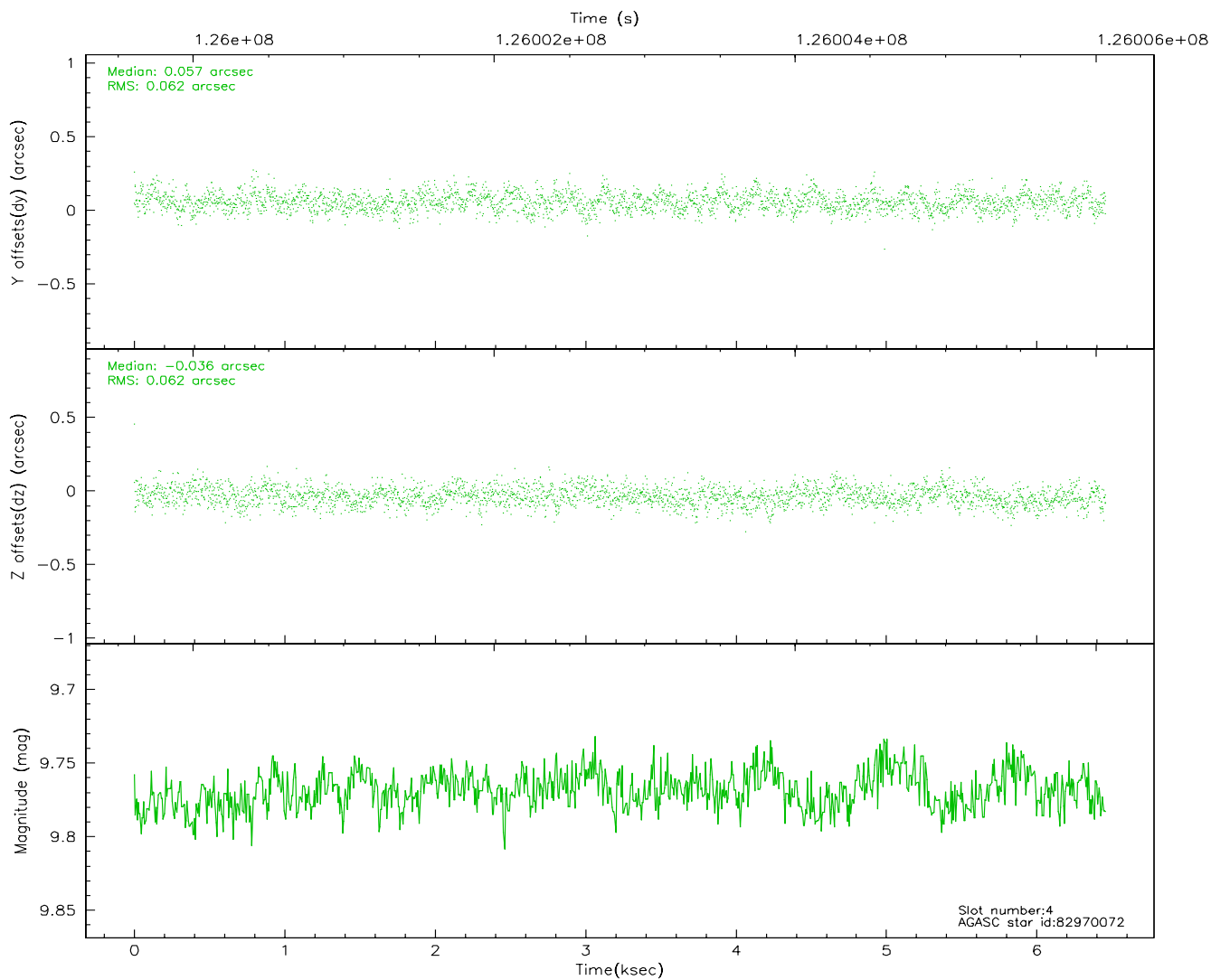
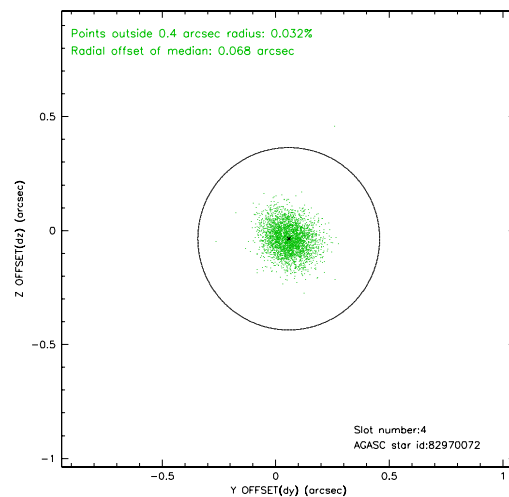
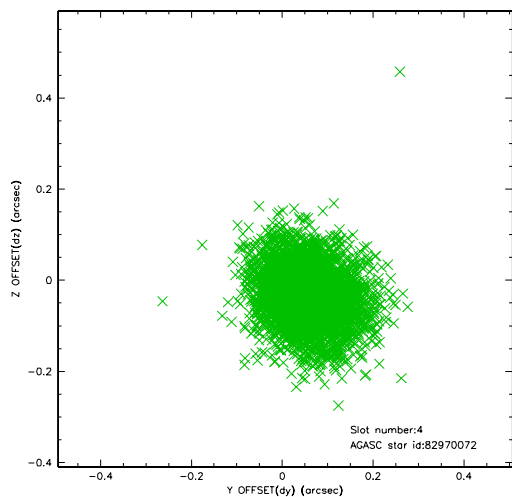
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1576	-0.012	0.036	0.006	0.010	0.000000	0.000000	-755.28	-1727.86
1	FID	ACIS-S-4	7.20	1576	-0.079	-0.004	0.005	0.009	0.000000	0.000000	2157.50	179.68
2	FID	ACIS-S-5	7.24	1576	0.060	-0.024	0.006	0.010	0.000000	0.000000	-1806.90	174.33
3	GUIDE	82972856	9.49	3149	0.115	0.034	0.089	0.144	31.504761	11.652951	1894.05	-1404.40
4	GUIDE	82970072	9.77	3144	0.057	-0.036	0.092	0.150	31.682129	12.466808	-642.07	188.75
5	GUIDE	83363784	9.92	3150	-0.002	0.067	0.104	0.169	31.739359	12.862470	-1911.69	867.23
6	GUIDE	83369984	10.13	3147	-0.072	-0.043	0.126	0.215	31.132580	12.740352	-2232.92	-1283.91
7	GUIDE	83366960	10.36	3121	-0.103	-0.027	0.127	0.206	31.065052	12.596345	-1828.58	-1686.34

2.4 Star Slots

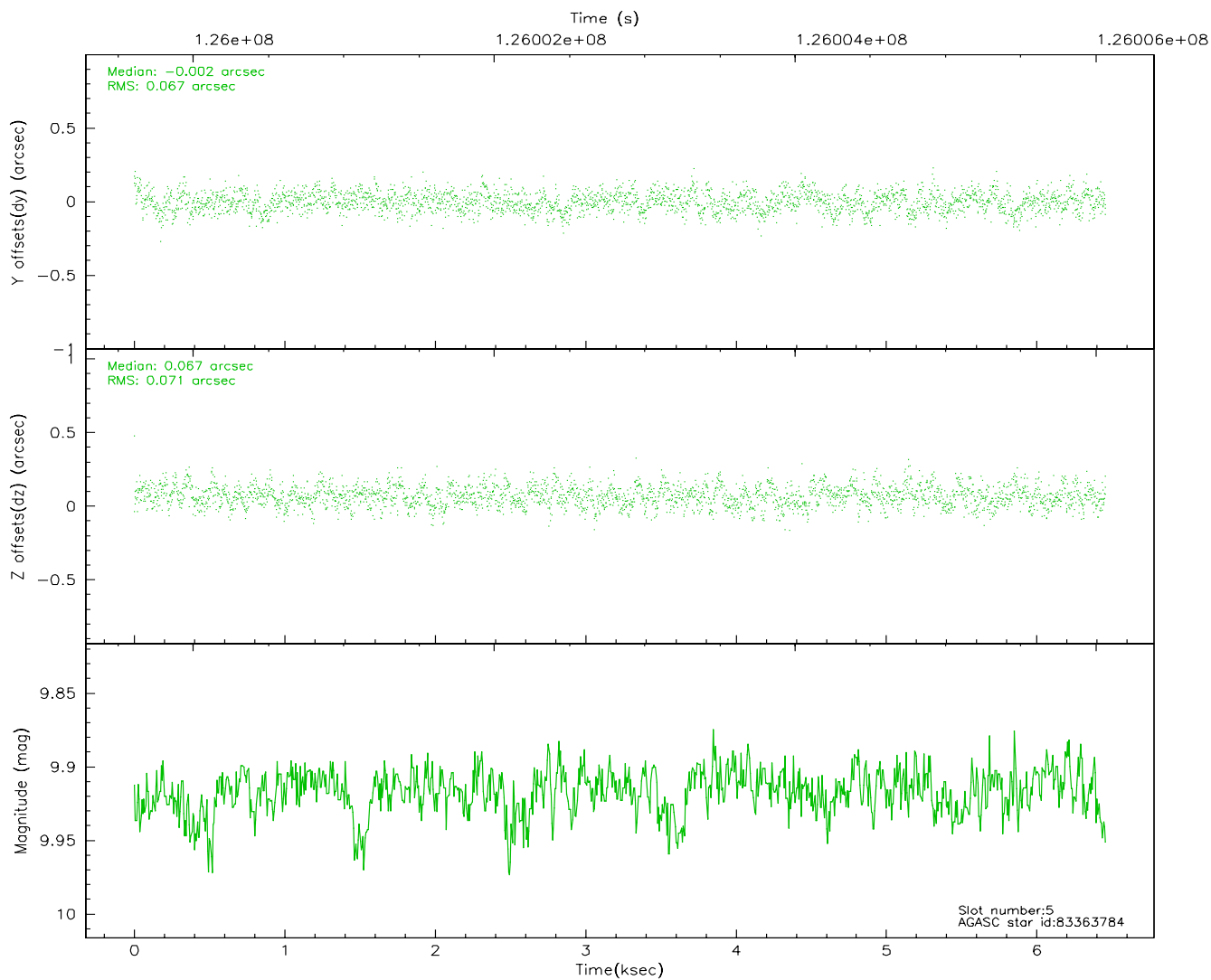
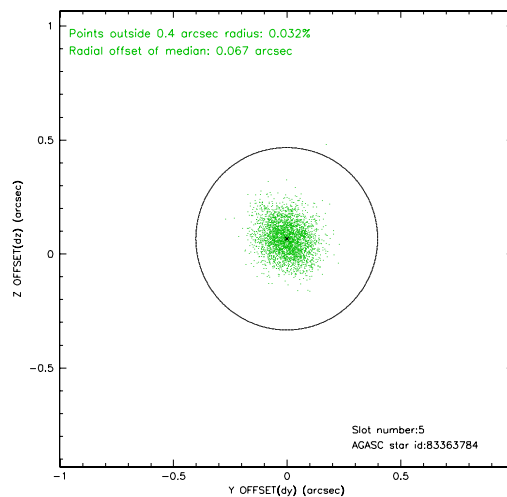
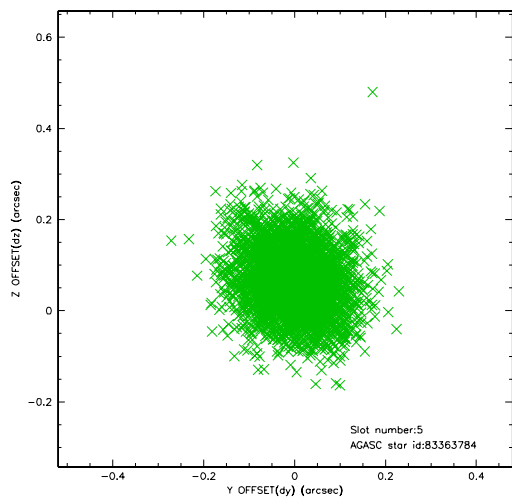
2.4.1 Slot 3



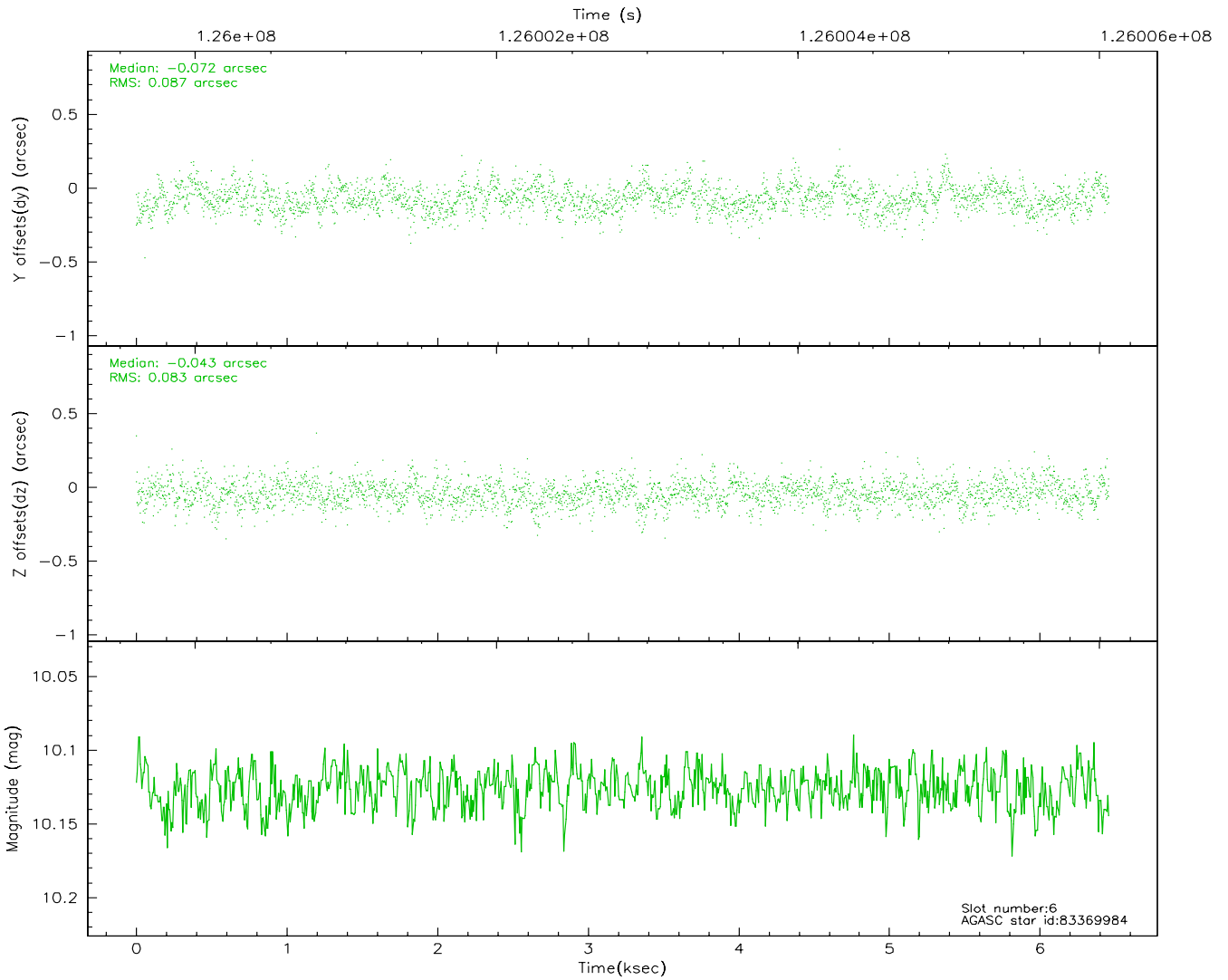
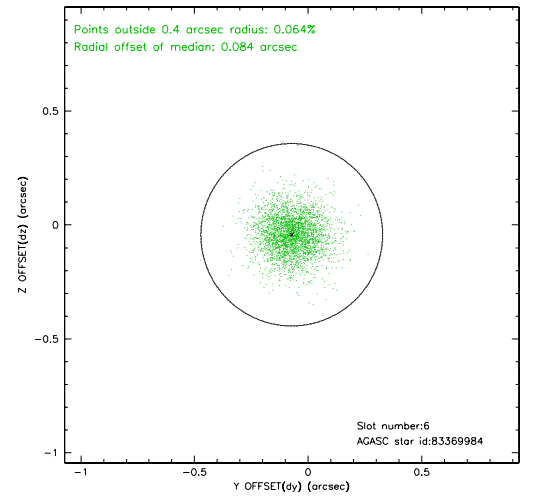
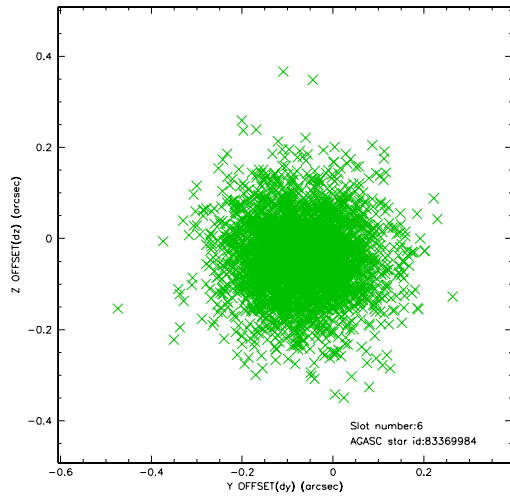
2.4.2 Slot 4



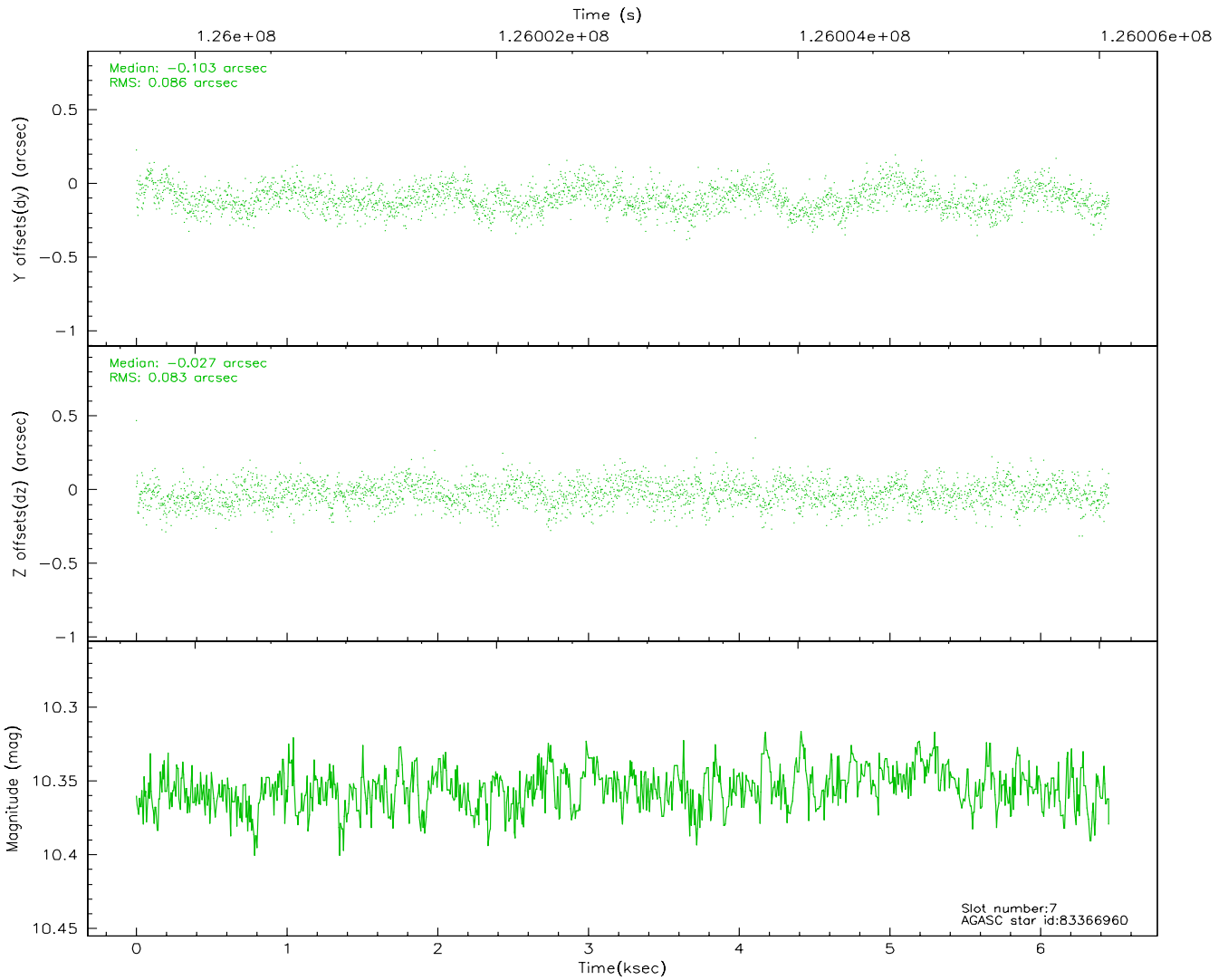
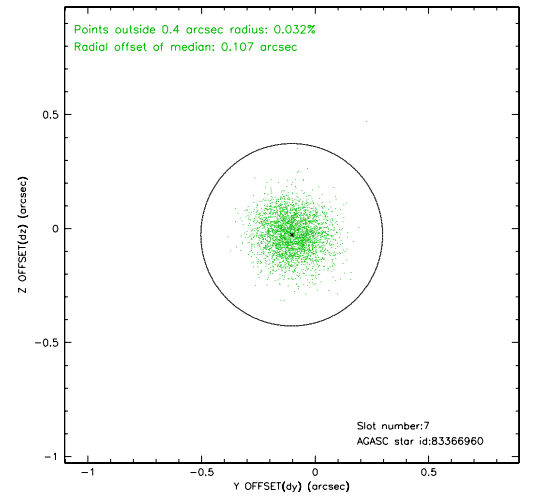
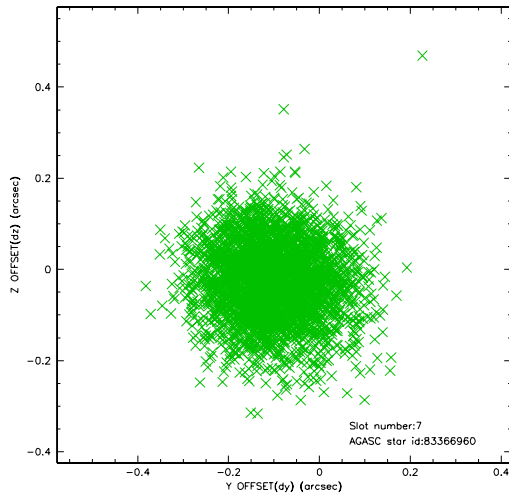
2.4.3 Slot 5



2.4.4 Slot 6

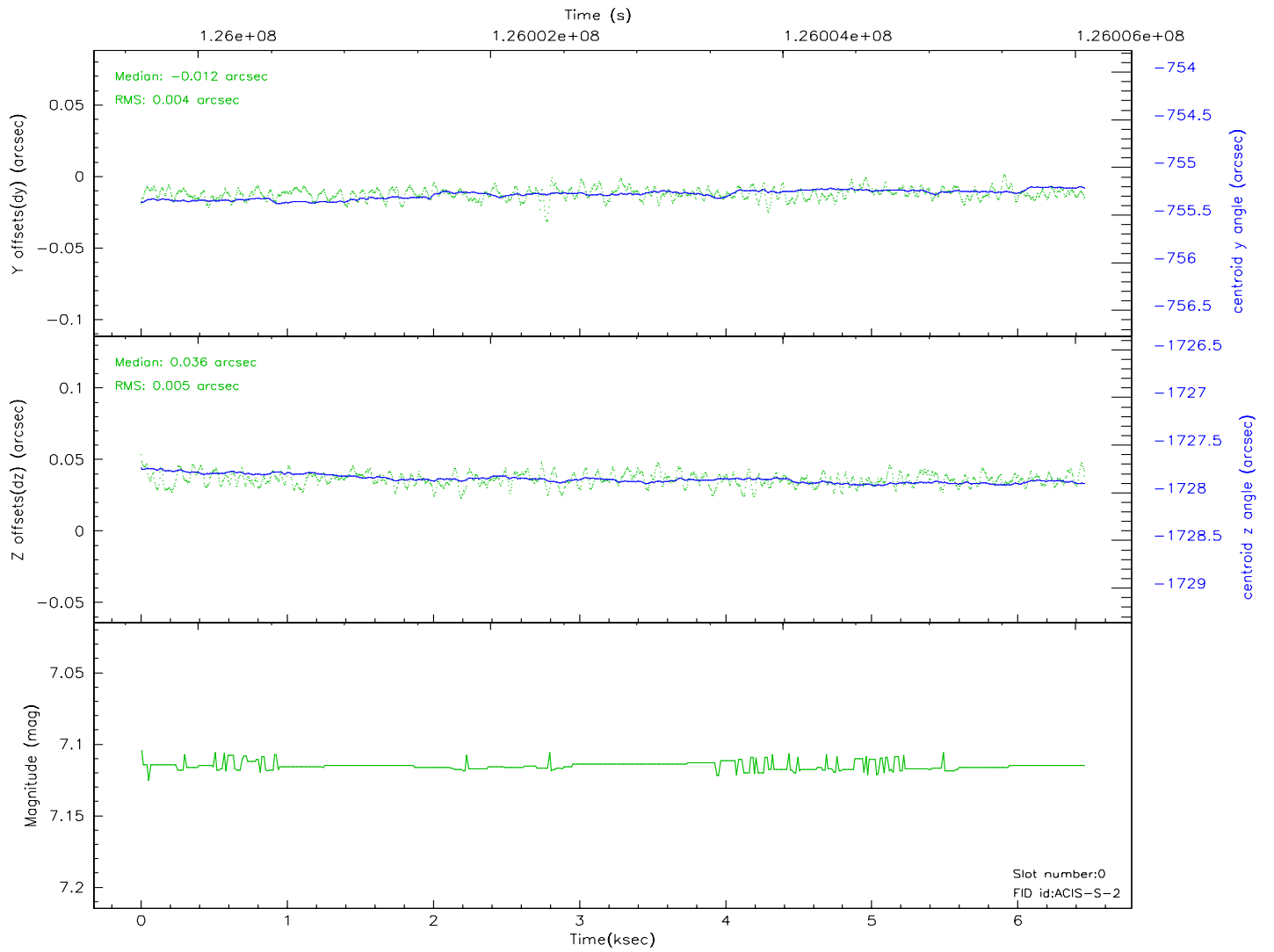
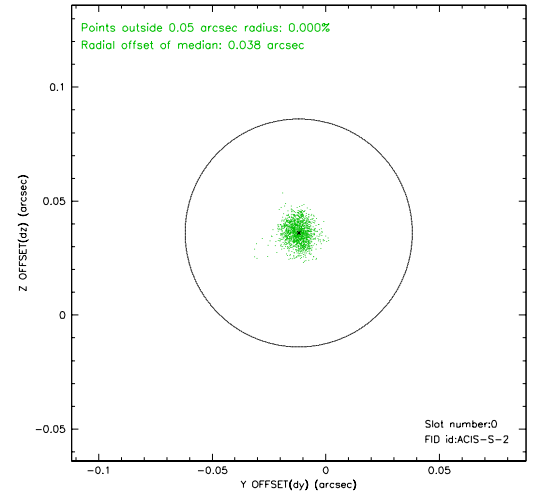
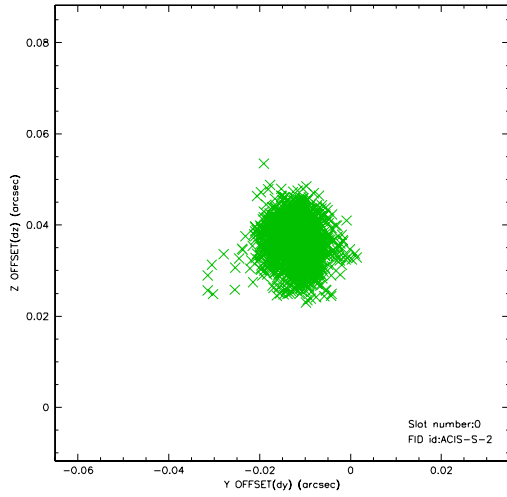


2.4.5 Slot 7

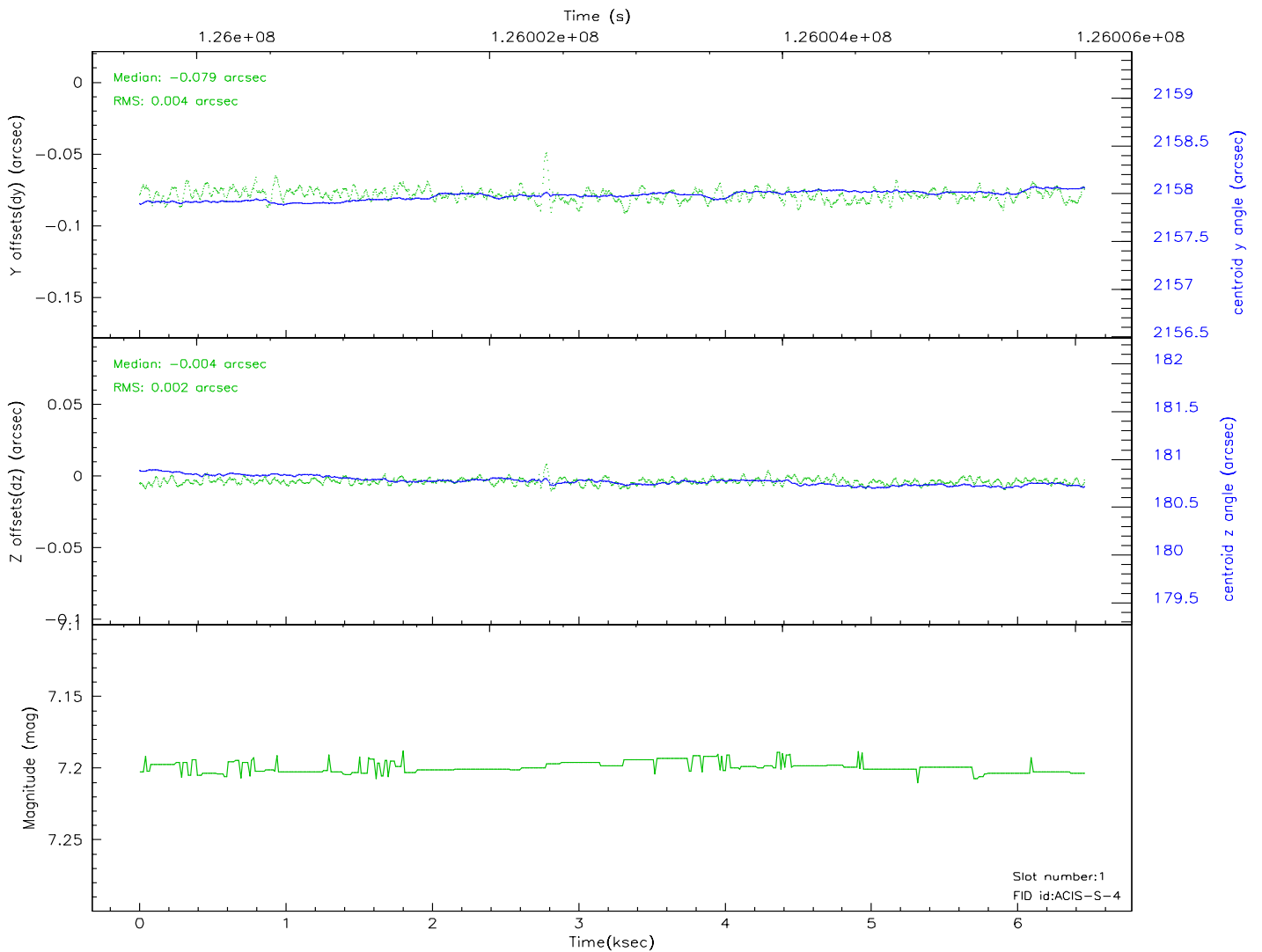
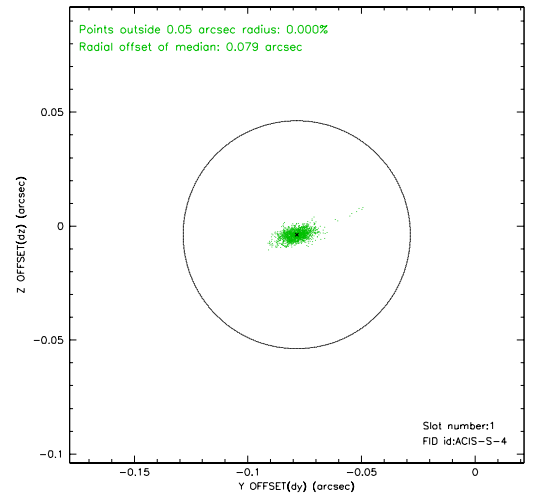
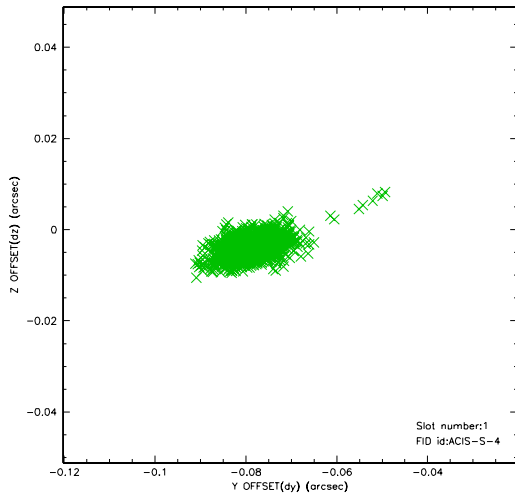


2.5 FID Slots

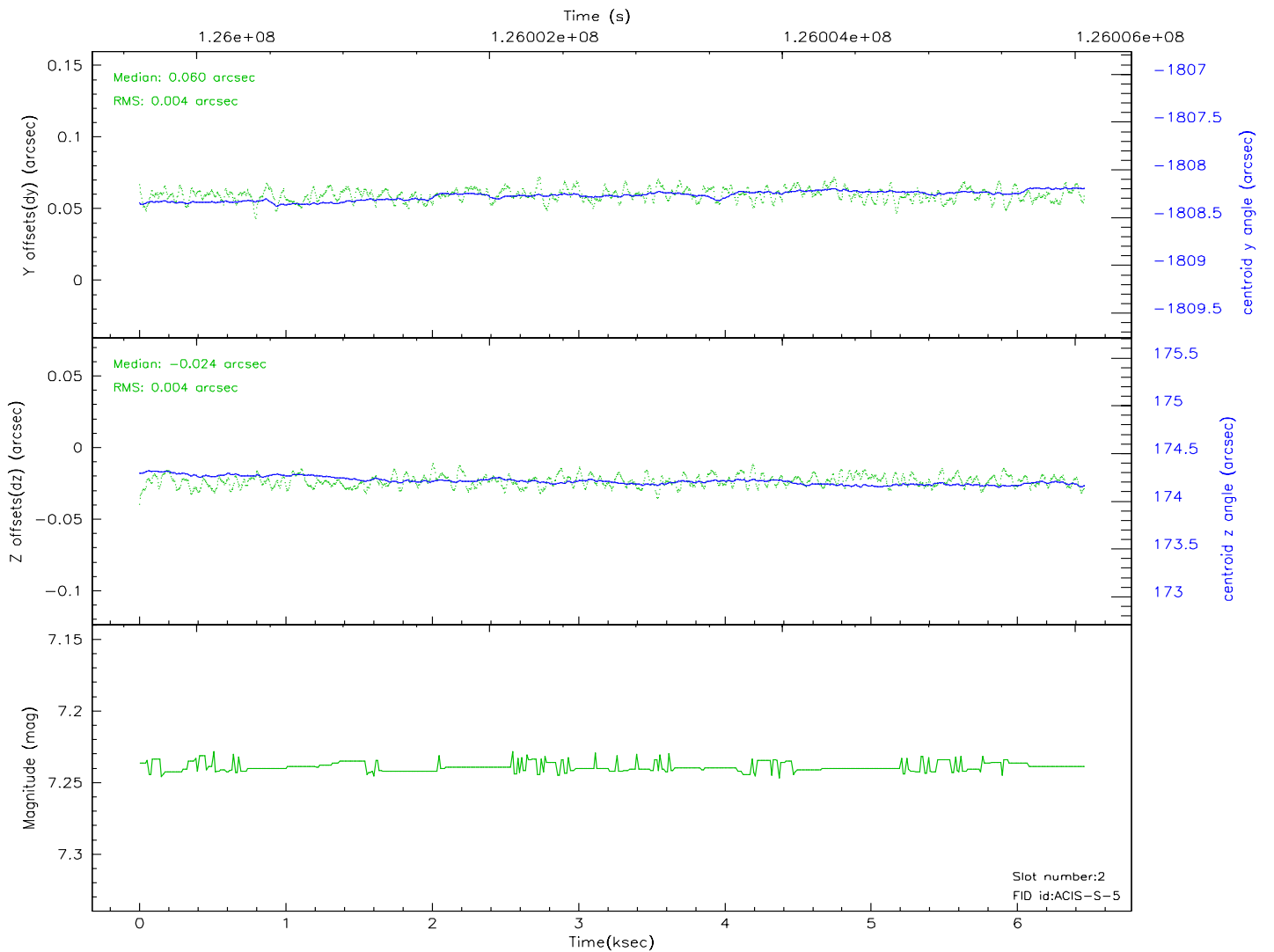
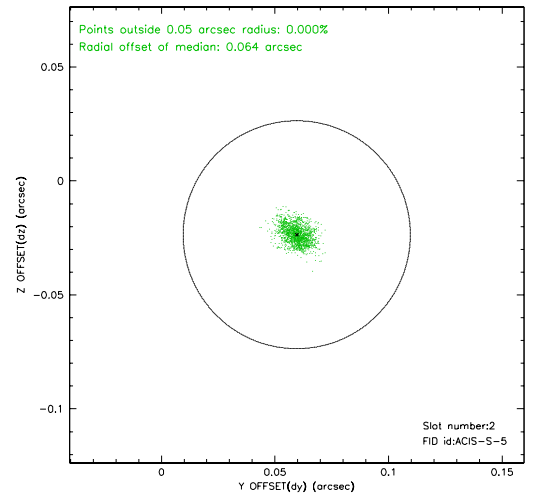
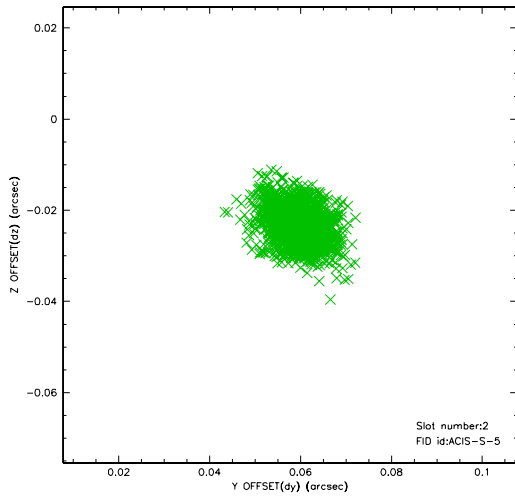
2.5.1 Slot 0



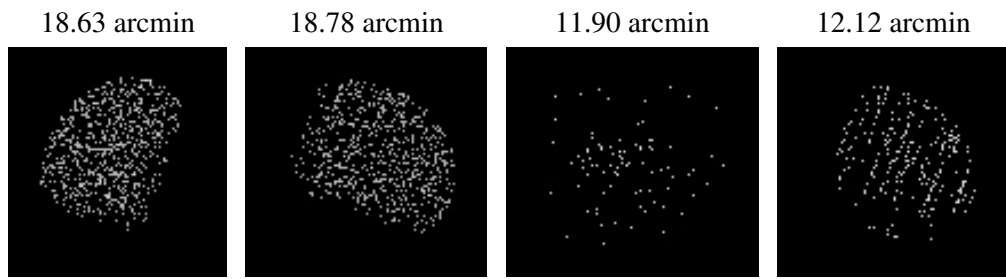
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.01.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.958

A.2 Comments