

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 874 - L2 Version _e1
Chandra X-Ray Center

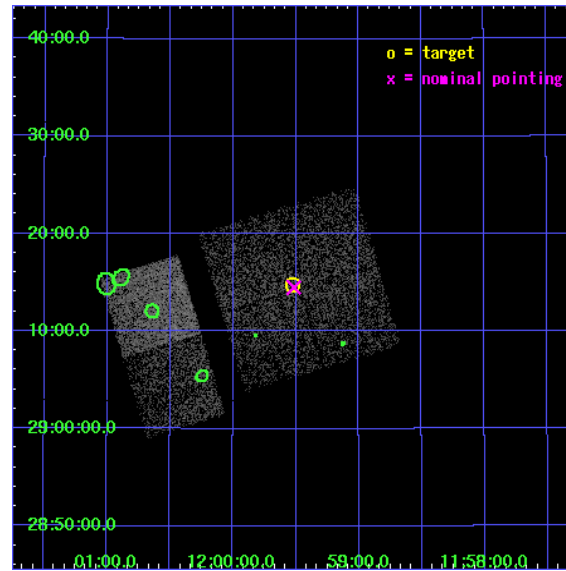
L2 Processing Date : May 27 2007

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1 Front

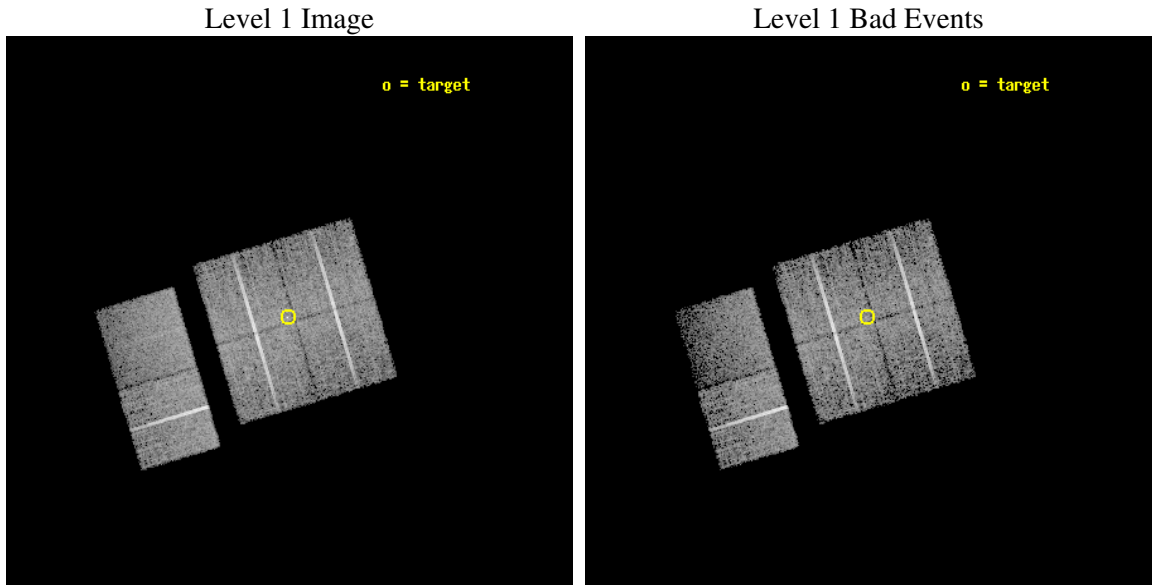
seq_num	700179
obs_id	874
title	A STUDY OF THE EXTENDED EMISSION AROUND BRIGHT BLAZAR AGN'S
observer	Professor Paolo Coppi
object	1156+295
dtcycle	0
cycle	P
ra_targ	179.8825
dec_targ	29.2455
ra_nom	179.87886506452
dec_nom	29.241687258811
roll_nom	253.29724427724
revision	5
ontime	13639.909896314
livetime	1510.7781994943
ontime0	13639.786776319
ontime1	13639.827816322
ontime2	13639.868856326
ontime3	13639.909896314
ontime6	13639.991976321
ontime7	13639.950936317
l2events	20798



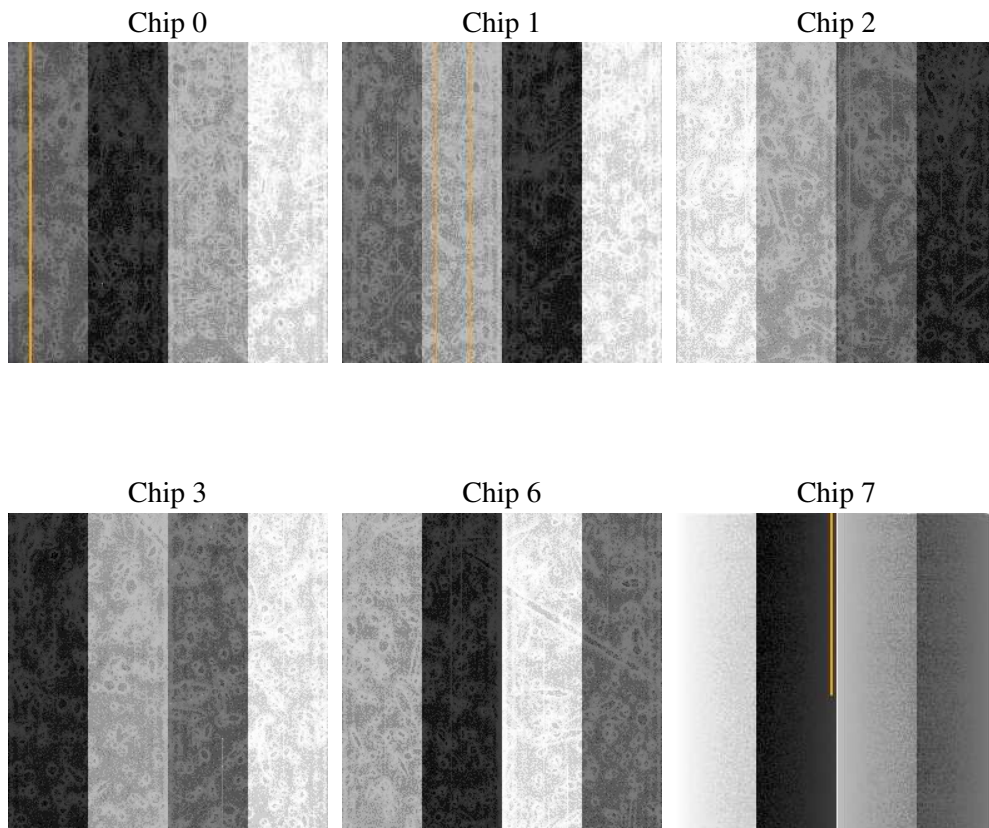
2 OBI Primary

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-05-27T18:50:41
revision	5

sched_exp_time	75000.000000
ontime	13639.909896314
ontime0	13639.786776319
ontime1	13639.827816322
ontime2	13639.868856326
ontime3	13639.909896314
ontime6	13639.991976321
ontime7	13639.950936317
l1events	266507

2.1.4 Events

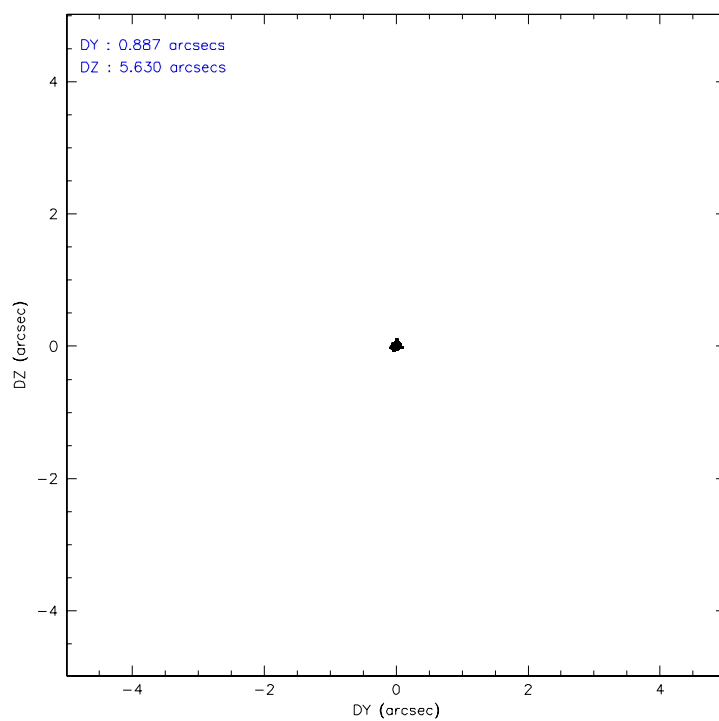
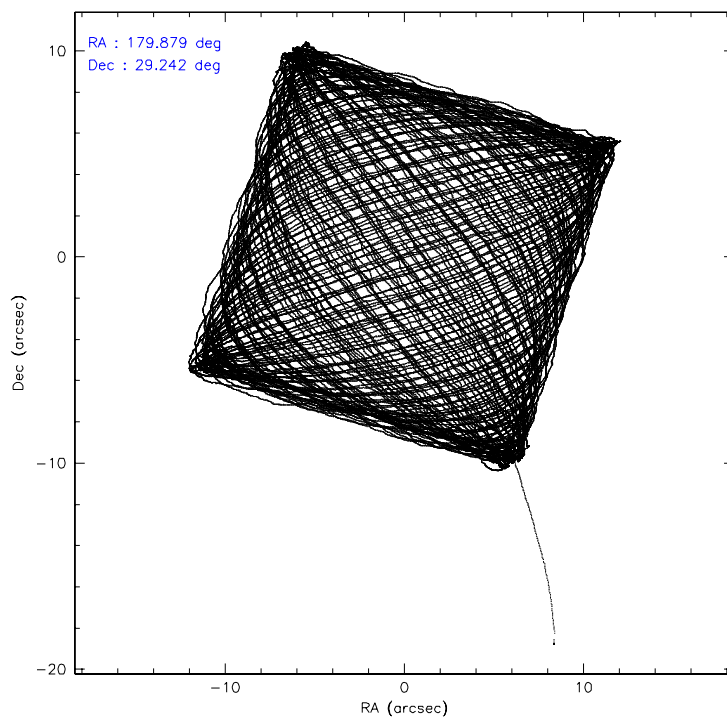
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	41565	43765	45959	47667	51108	36443
rejected events	38321	40353	42936	44426	47855	27104
rejected %	92%	92%	93%	93%	93%	74%

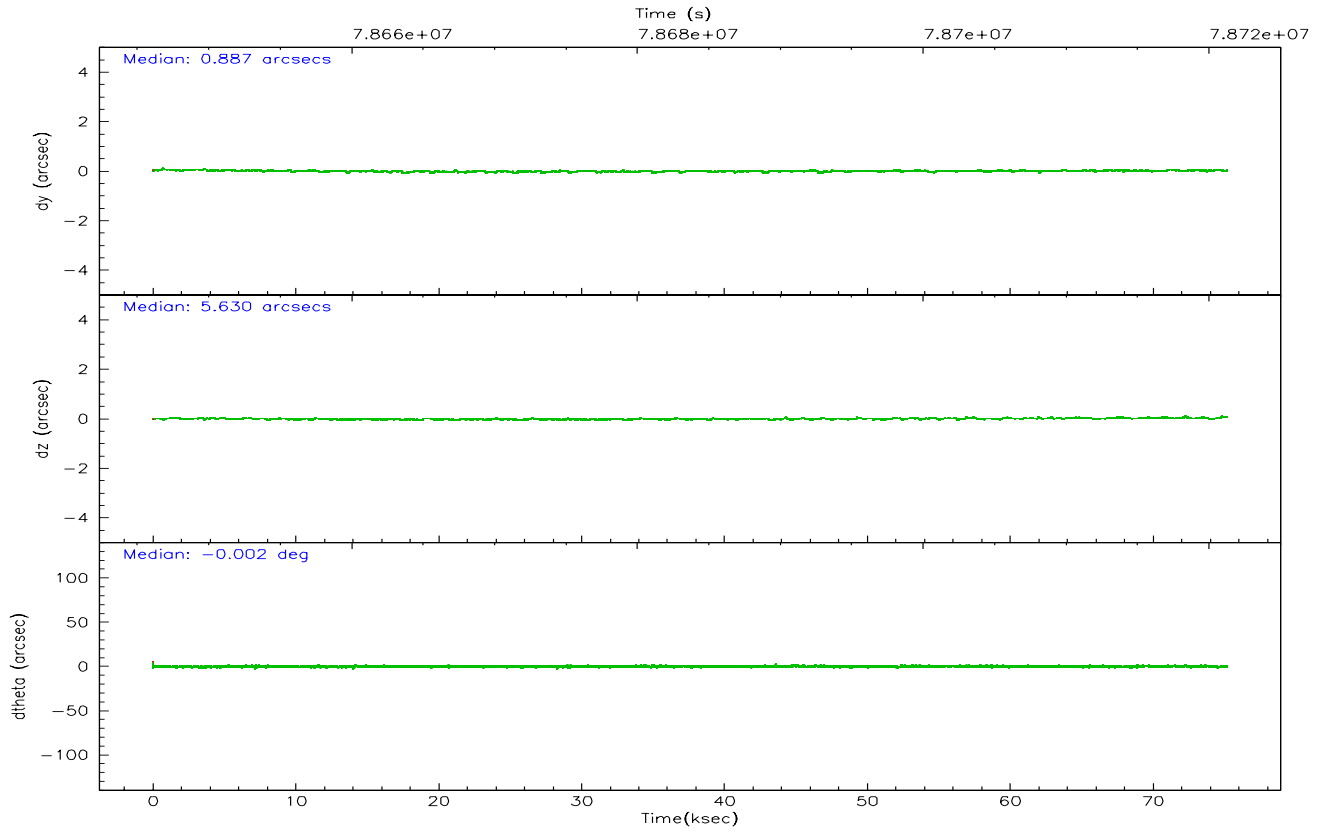
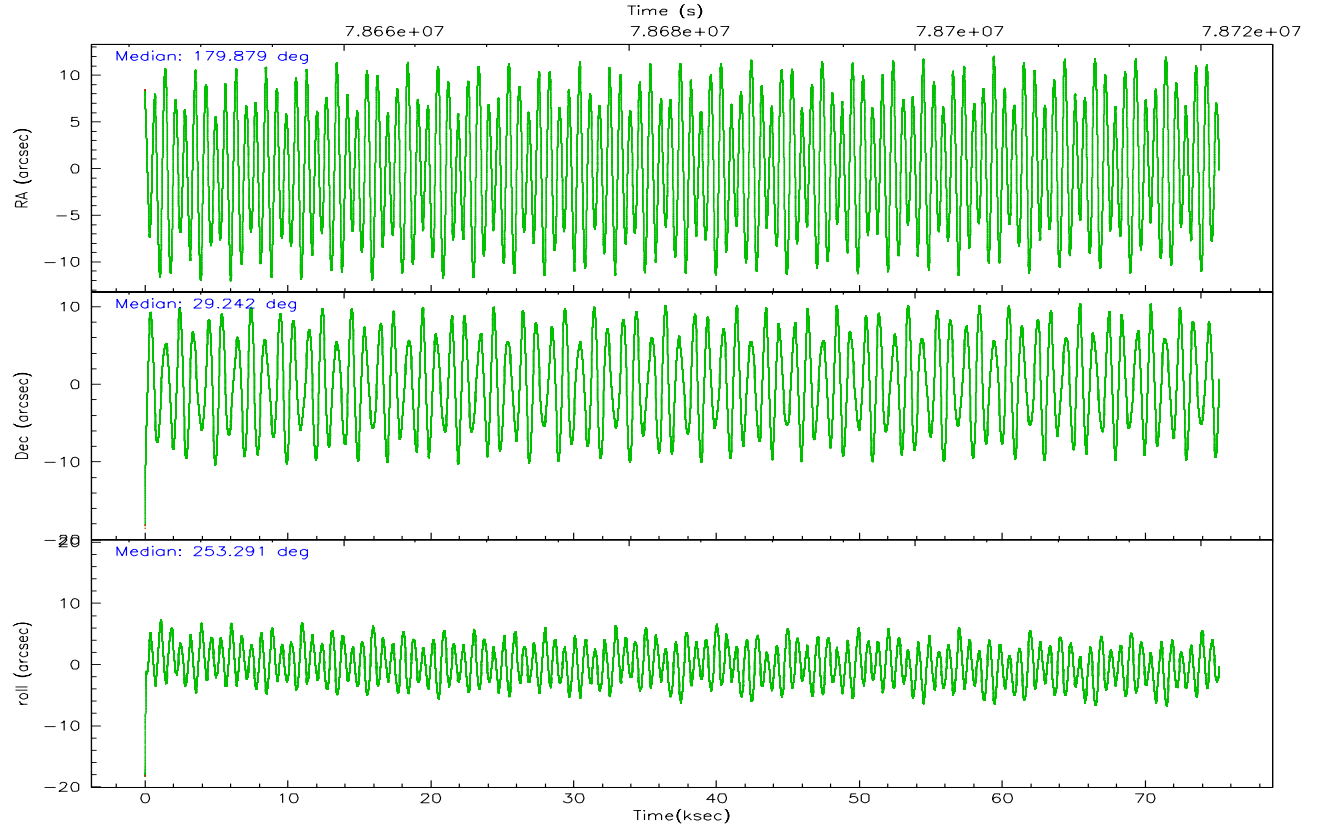
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	906	904	874	1040	825	930
	2%	2%	1%	2%	1%	2%
grade 1 events	12	14	17	19	13	24
	0%	0%	0%	0%	0%	0%
grade 2 events	682	676	684	680	785	2032
	1%	1%	1%	1%	1%	5%
grade 3 events	553	587	444	450	474	888
	1%	1%	0%	0%	0%	2%
grade 4 events	471	545	501	443	477	873
	1%	1%	1%	0%	0%	2%
grade 5 events	1038	1092	1014	1113	1261	2776
	2%	2%	2%	2%	2%	7%
grade 6 events	635	705	522	630	693	4619
	1%	1%	1%	1%	1%	12%
grade 7 events	37268	39242	41903	43292	46580	24301
	89%	89%	91%	90%	91%	66%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	179.871761	179.8788650645249	Subarray requested	NONE	NONE
Pointing Dec	29.268553	29.24168725881128	Alternating exposures requested	Y	Y
Pointing Roll	253.092029	253.2972442772418	Primary exposure time	0.400000	0.4
SIM focus pos (mm)	-0.782348	-0.7809083437167272	Secondary exposure time	3.200000	3.2
SIM defocus (mm)	0	0.001439871863259334	Duty cycle	5	5
SIM translation stage pos (mm)	-233.592463	-233.5899487761303			
SIM translation stage offset (mm)	0	-0.002504226799430853			
Observation start time	78646283.184000	78645311.434165			
Observation start date	2000-06-29T06:10:19	2000-06-29T05:55:11			
Observation end time	78721283.184000	78721593.986977			
Observation end date	2000-06-30T03:00:19	2000-06-30T03:06:33			
Read mode	TIMED	TIMED			

2.3 Aspect



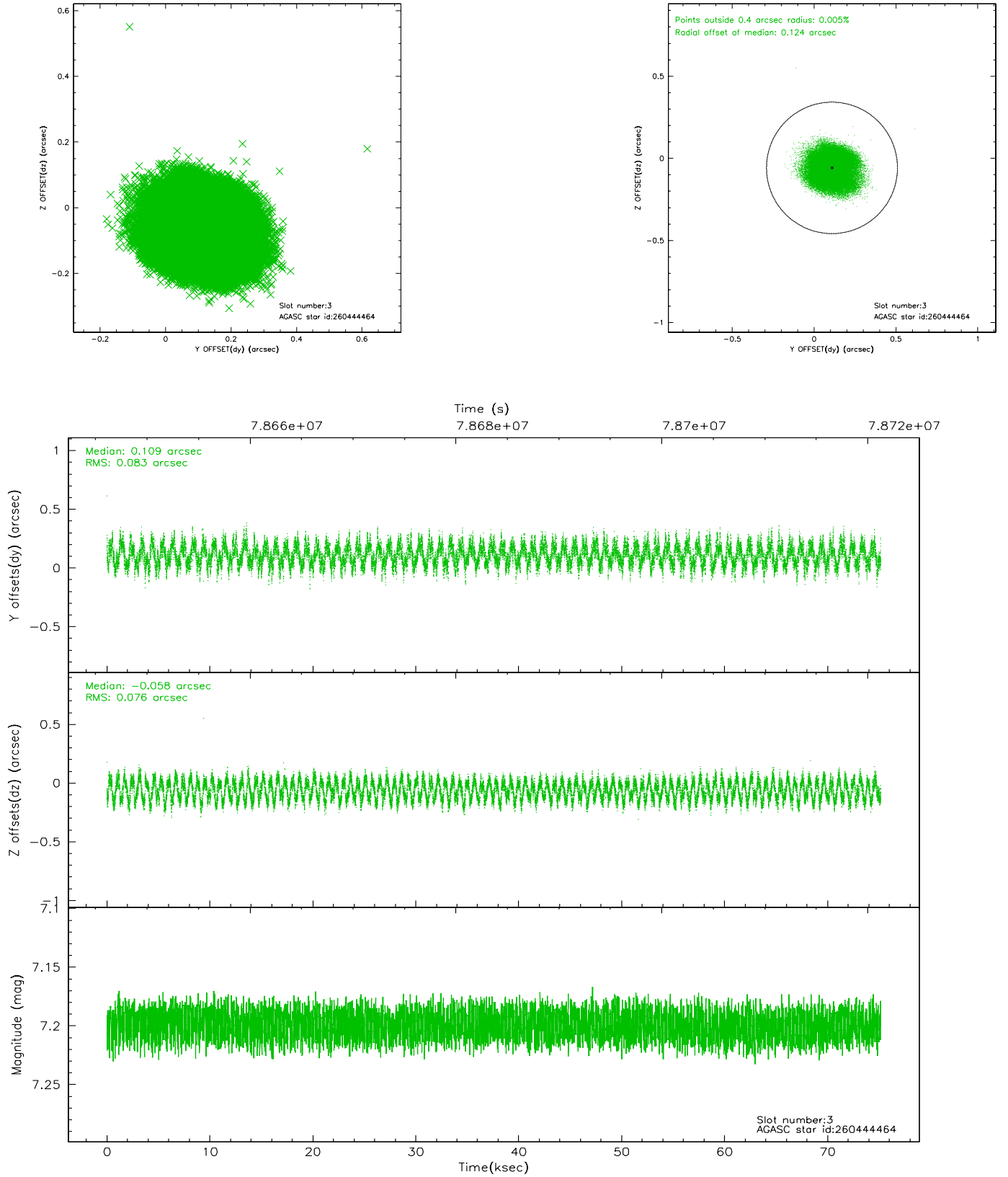


Slot Statistics

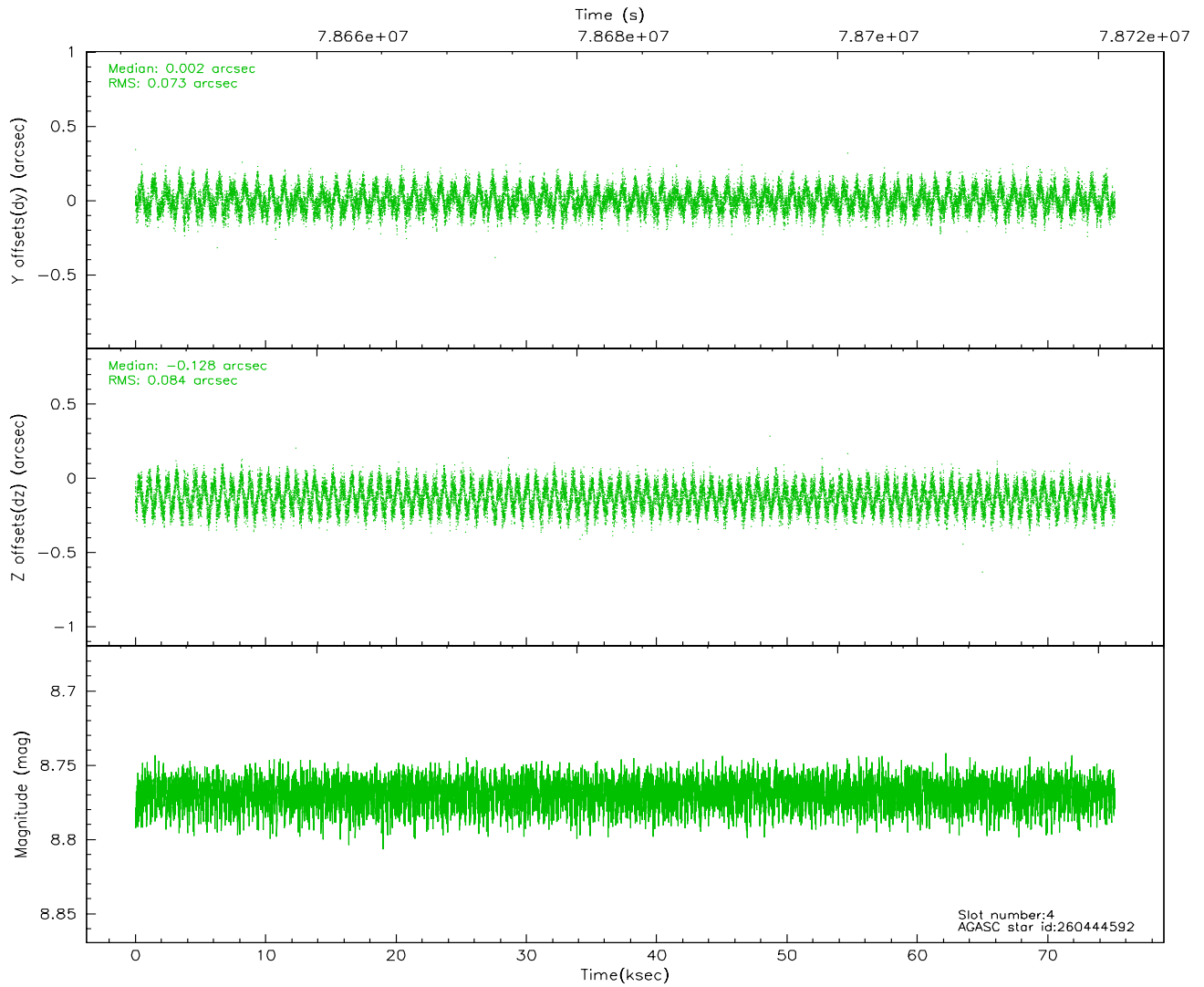
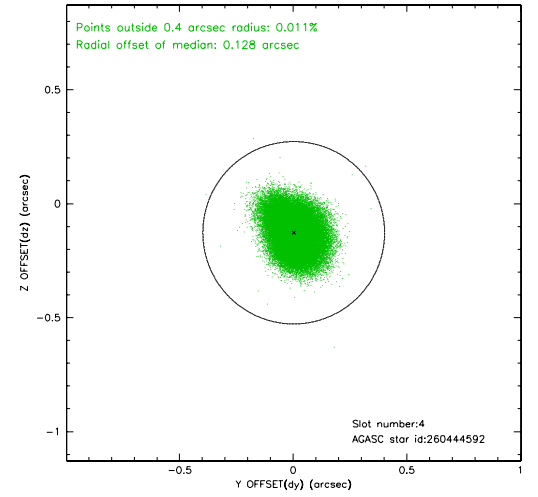
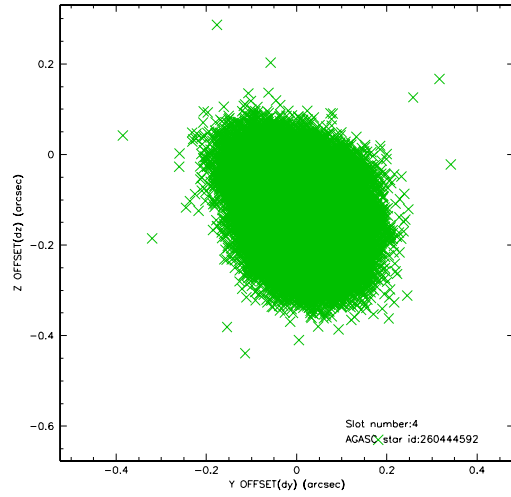
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	18335	-0.016	-0.018	0.008	0.015	0.000000	0.000000	-755.23	-835.32
1	FID	ACIS-I-4	7.19	18335	-0.099	0.024	0.005	0.009	0.000000	0.000000	2158.78	1070.92
2	FID	ACIS-I-5	7.23	18337	0.014	0.063	0.008	0.014	0.000000	0.000000	-1809.10	1068.74
3	GUIDE	260444464	7.20	36675	0.109	-0.058	0.123	0.178	179.063604	28.858511	2145.17	-2010.55
4	GUIDE	260444592	8.77	36665	0.002	-0.128	0.121	0.180	179.365935	29.274260	439.00	-1526.35
5	GUIDE	260572720	8.68	36664	-0.110	0.147	0.119	0.181	180.433263	29.548474	-1480.16	1388.66
6	GUIDE	260445232	9.36	36654	-0.122	-0.096	0.416	0.537	179.548080	29.819728	-1606.09	-1544.51
7	GUIDE	260440712	9.65	36650	0.152	0.122	0.148	0.229	179.958789	28.568758	2329.99	996.82

2.4 Star Slots

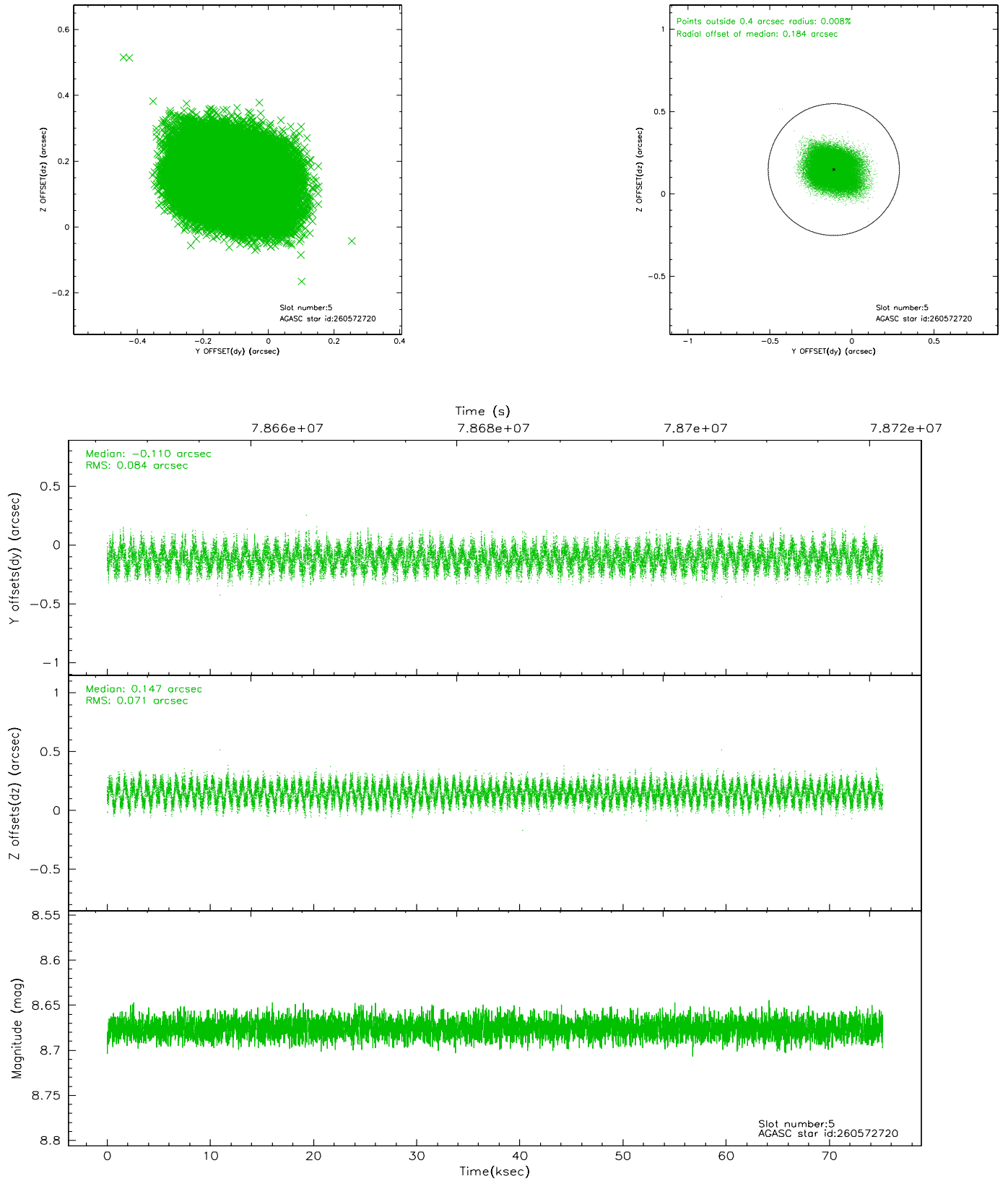
2.4.1 Slot 3



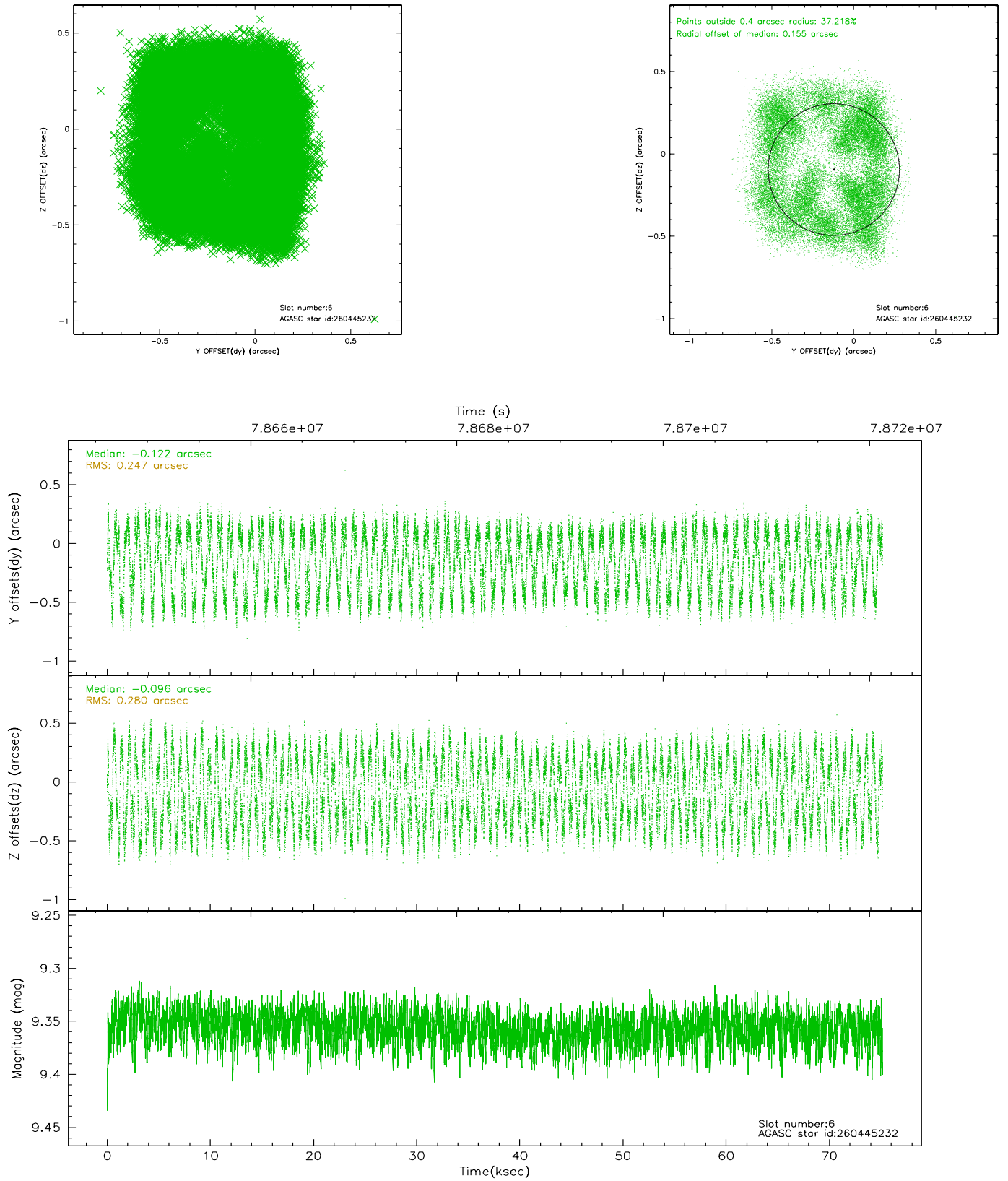
2.4.2 Slot 4



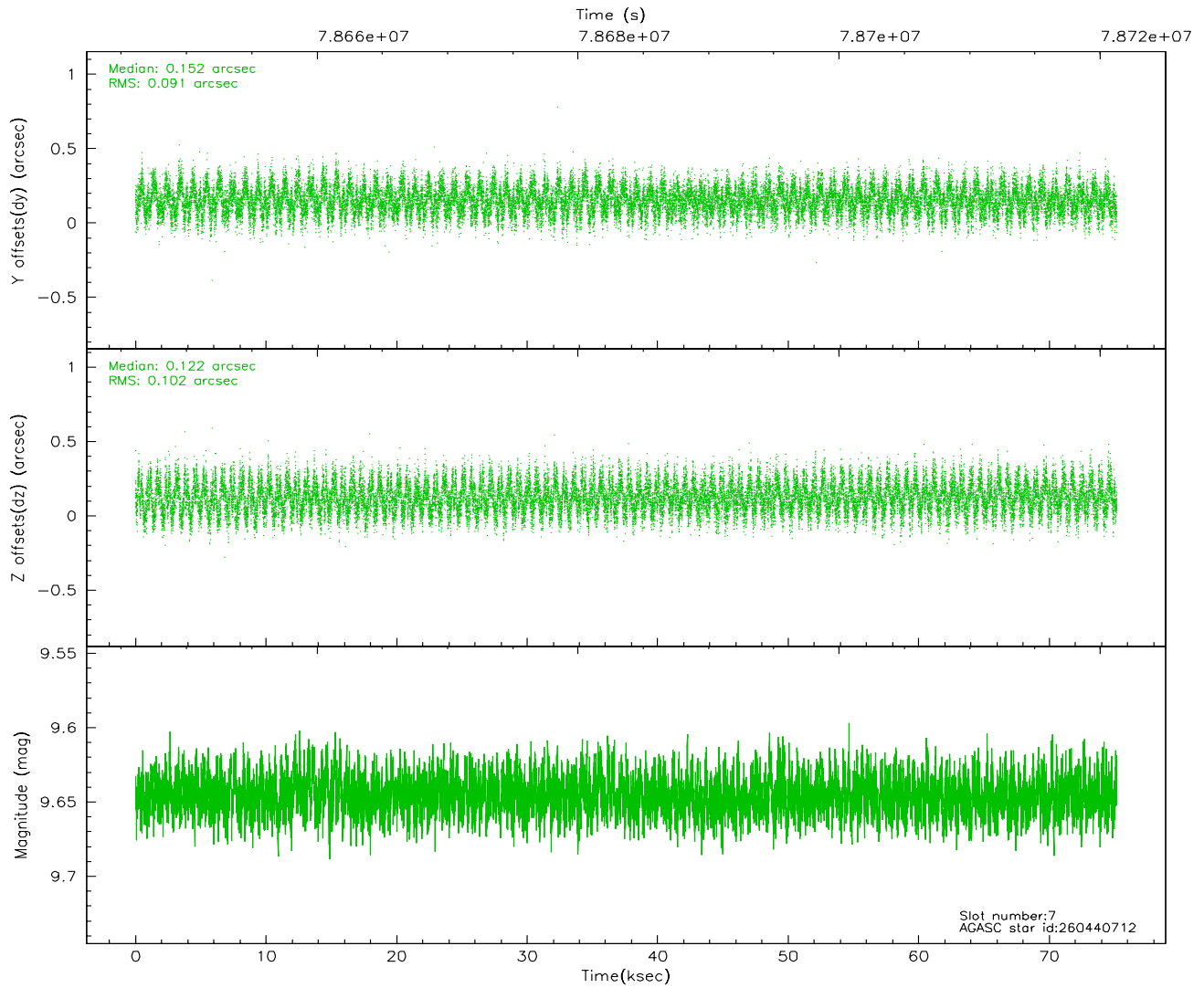
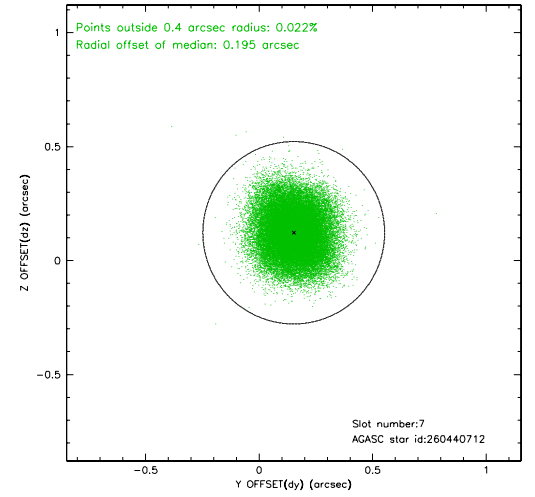
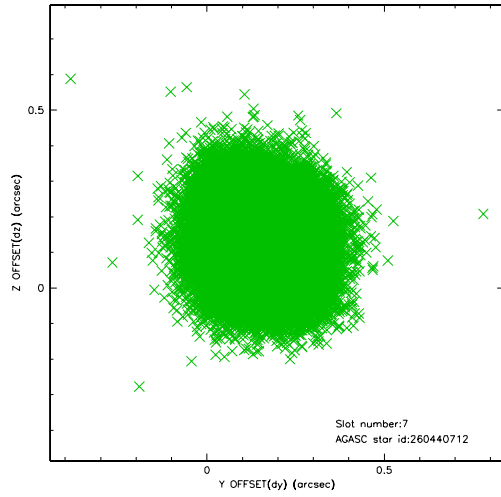
2.4.3 Slot 5



2.4.4 Slot 6

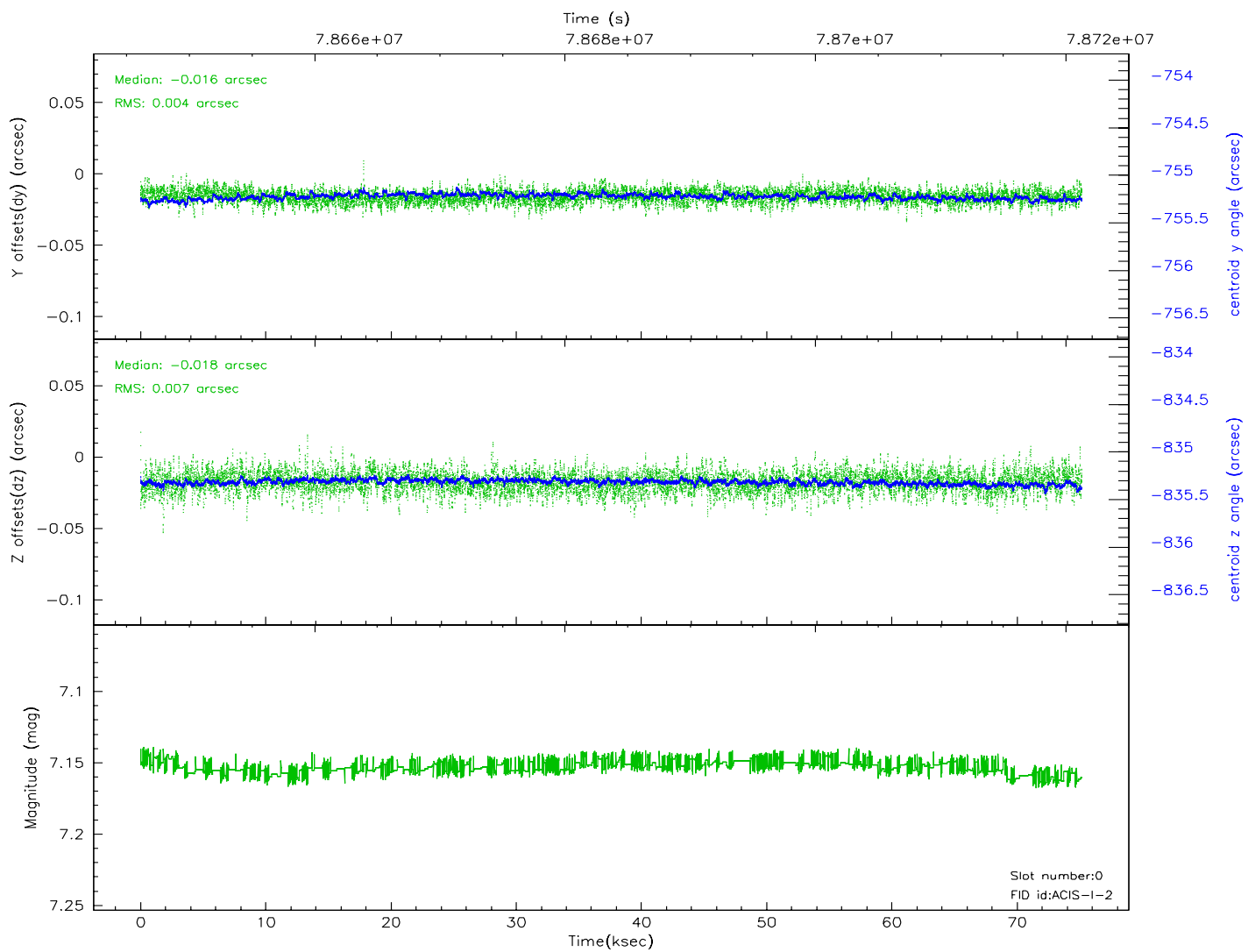
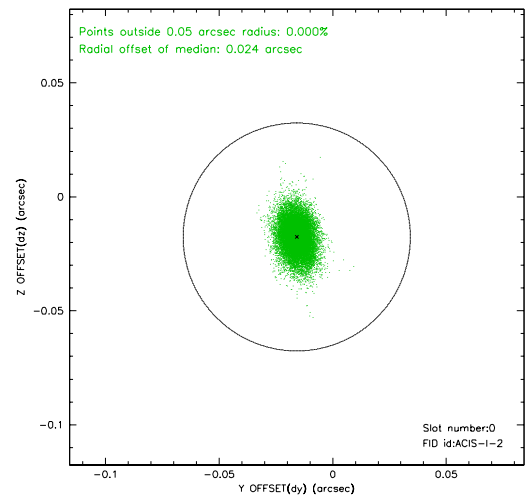
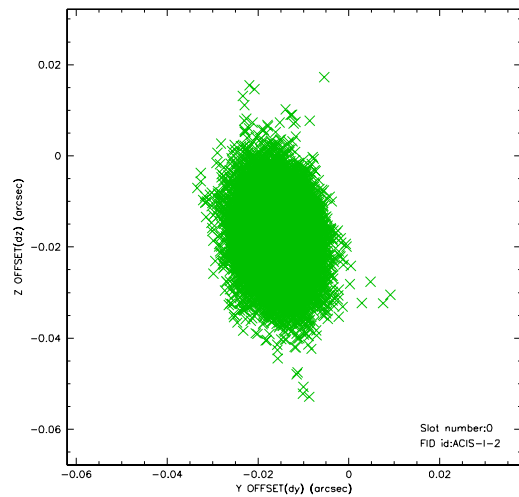


2.4.5 Slot 7

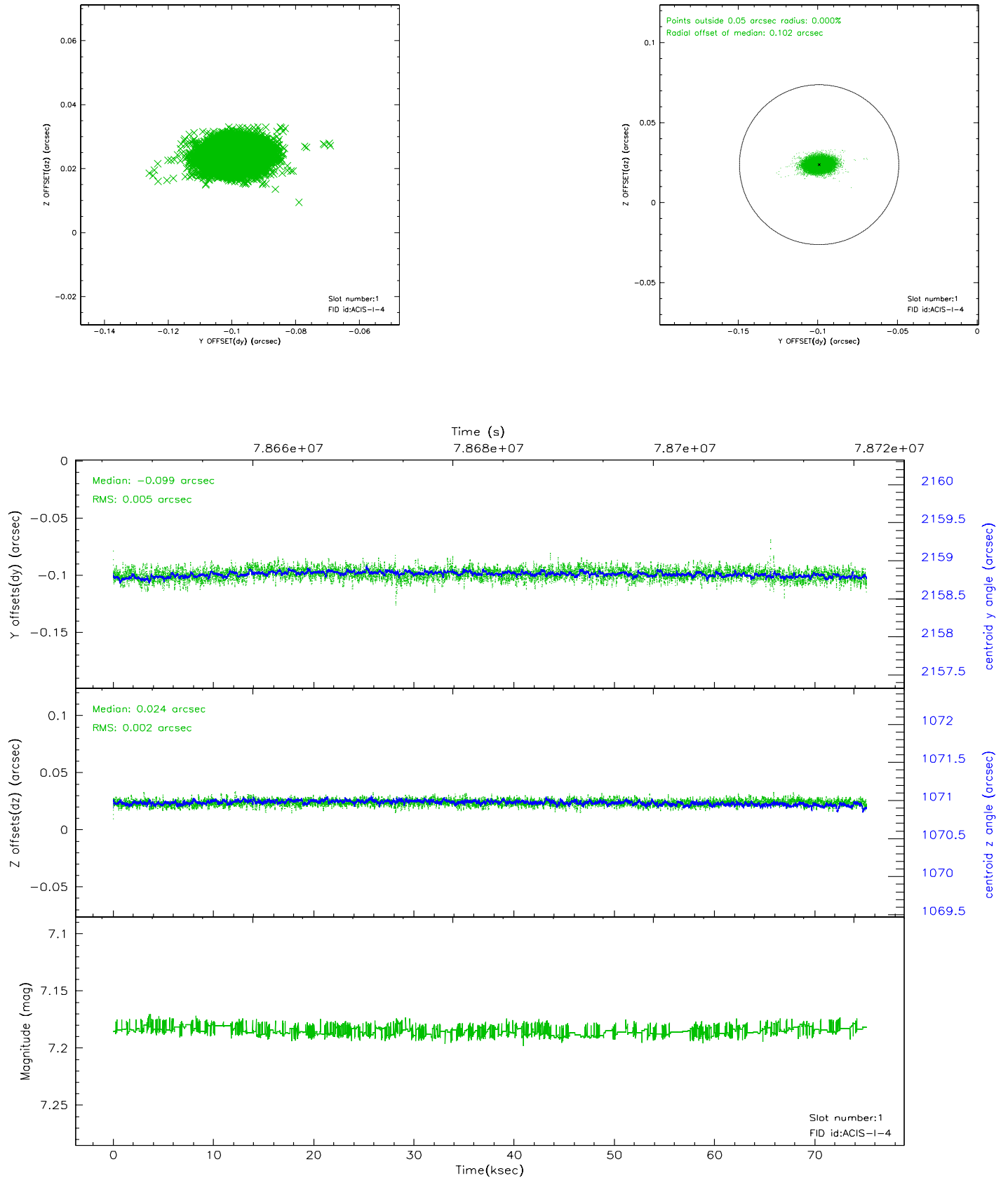


2.5 FID Slots

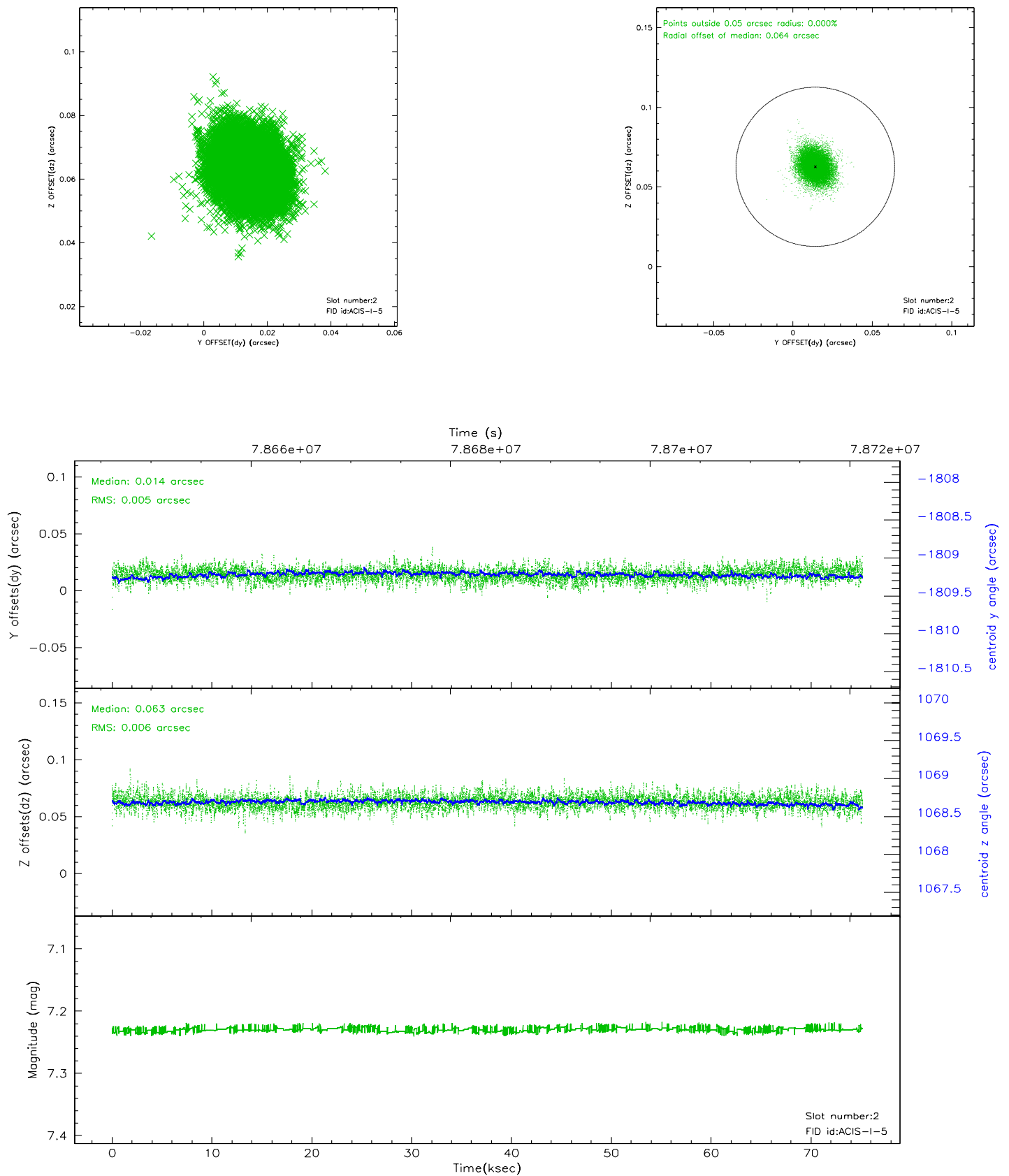
2.5.1 Slot 0



2.5.2 Slot 1



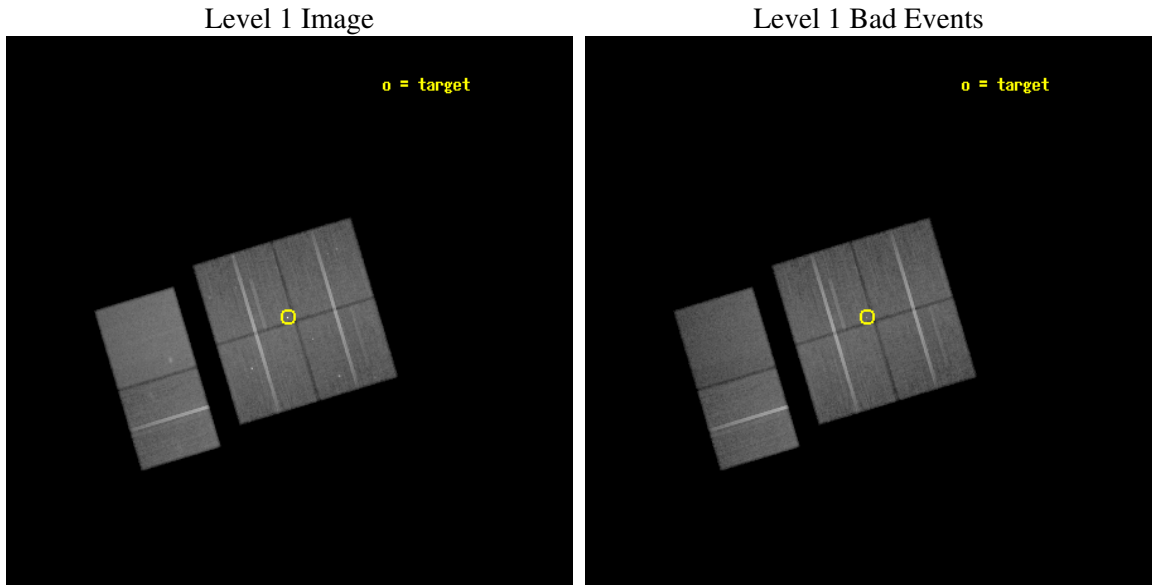
2.5.3 Slot 2



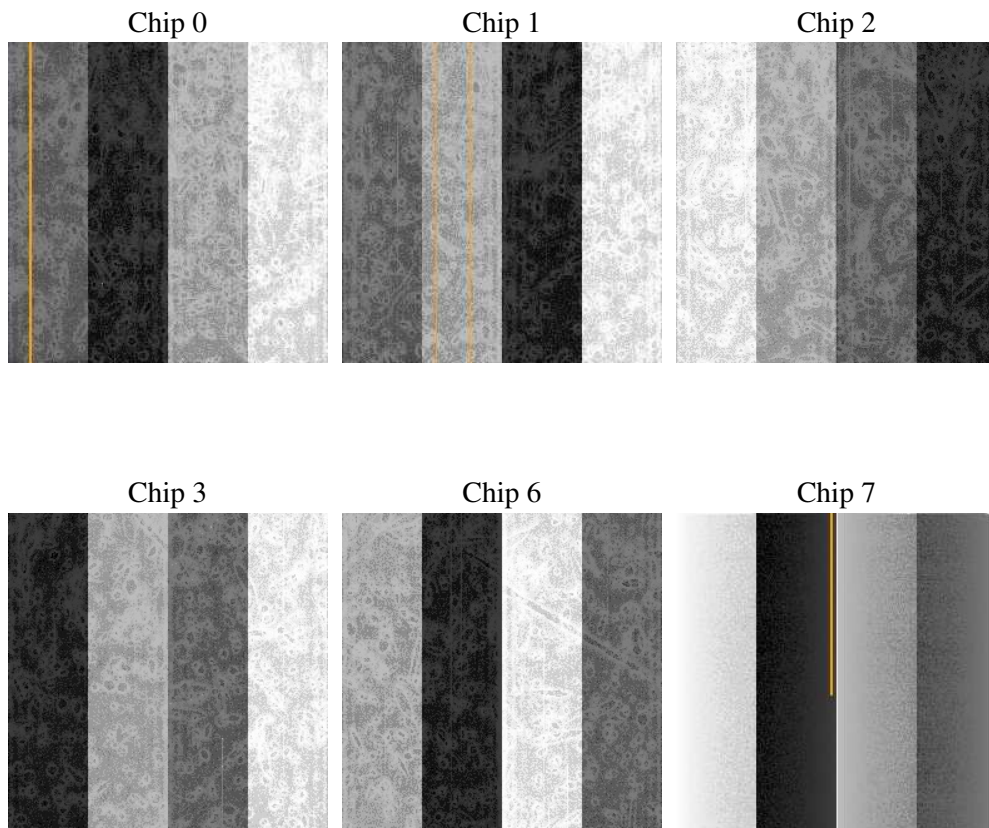
3 OBI Secondary

3.1 OBI

3.1.1 Images



3.1.2 Bias



3.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-05-27T19:17:56
revision	5

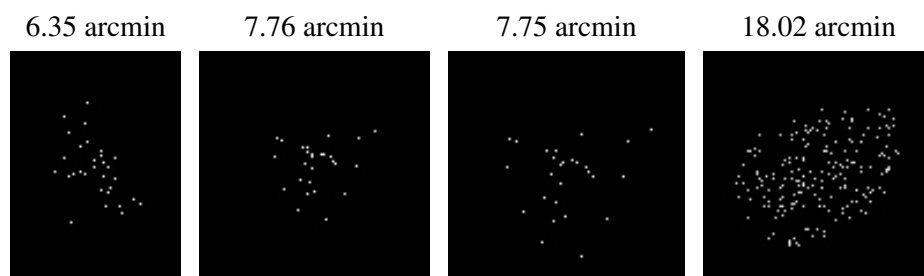
sched_exp_time	75000.000000
ontime	61245.418947145
ontime0	61245.419076234
ontime1	61245.418697804
ontime2	61242.176370353
ontime3	61245.418947145
ontime6	61245.416712761
ontime7	61245.4184784
l1events	2479542

3.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	376238	377196	414395	412095	423809	475809
rejected events	327464	327572	368959	360421	375369	273210
rejected %	87%	86%	89%	87%	88%	57%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	21158	20043	19404	24268	20286	20122
	5%	5%	4%	5%	4%	4%
grade 1 events	174	179	177	399	182	452
	0%	0%	0%	0%	0%	0%
grade 2 events	10300	10497	9832	10057	9649	39462
	2%	2%	2%	2%	2%	8%
grade 3 events	4562	5021	4200	4481	4671	18744
	1%	1%	1%	1%	1%	3%
grade 4 events	4411	4895	4245	4497	4539	18529
	1%	1%	1%	1%	1%	3%
grade 5 events	12961	13883	12823	13802	15765	45522
	3%	3%	3%	3%	3%	9%
grade 6 events	8345	9169	7758	8378	9299	105755
	2%	2%	1%	2%	2%	22%
grade 7 events	314327	313509	355956	346213	359418	227223
	83%	83%	85%	84%	84%	47%

4 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	74.88

A.2 Comments