

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 349 - L2 Version 5
Chandra X-Ray Center

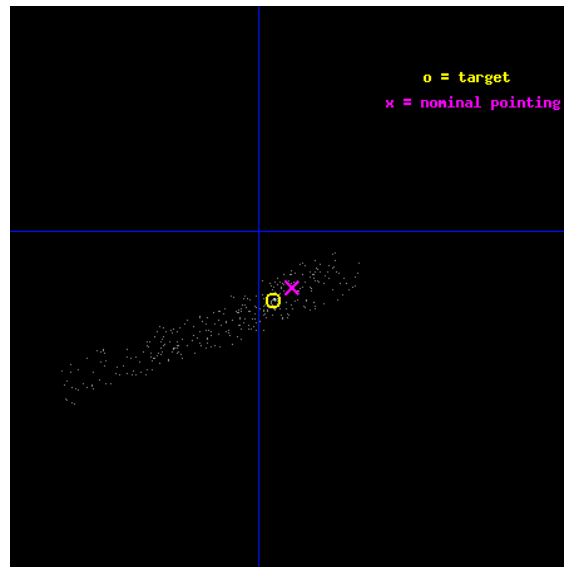
L2 Processing Date : Aug 24 2012

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1 Front

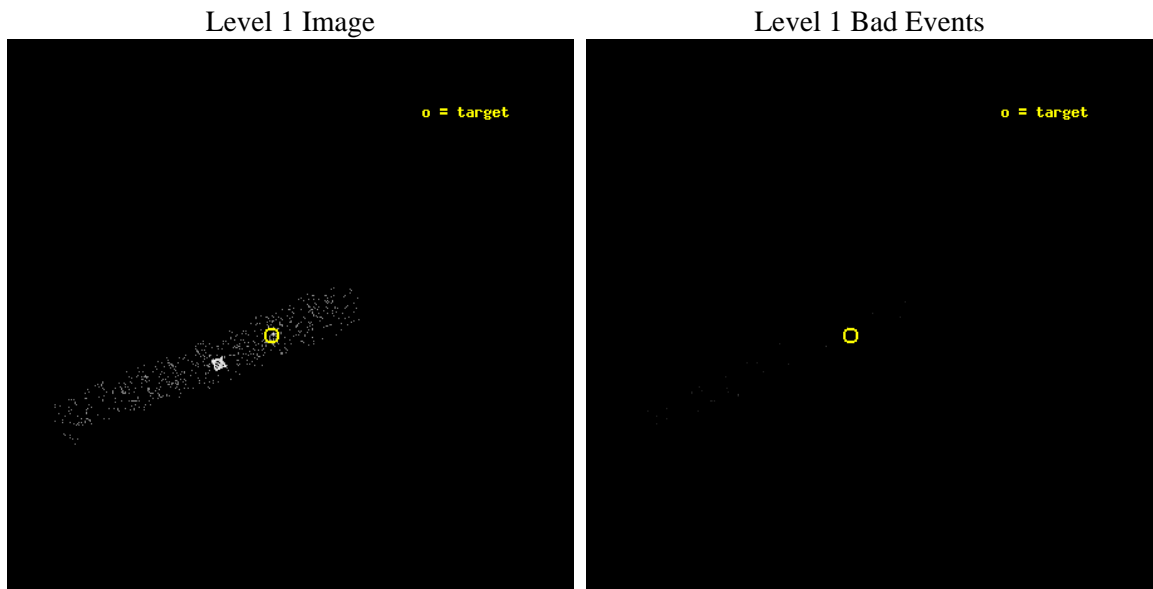
seq_num	700021	Sequence number
obs_id	349	Observation id
title	STUDIES OF RADIO JETS AND THE NARROW LINE REGIONS	Proposal title
observer	Professor Andrew Wilson	Principal investigator
object	NGC 4258	Source name
dtcycle	0	
cycle	P	events are from which exps? P[rimary] S[econdar
ra_targ	184.740833	Observer's specified target RA [deg]
dec_targ	47.303333	Observer's specified target Dec [deg]
ra_nom	184.72862928969	Nominal RA [deg]
dec_nom	47.308759805793	Nominal Dec [deg]
roll_nom	157.29046701303	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1118.3908622563	Sum of GTIs [s]
livetime	196.20892320286	Livetime [s]
ontime7	1118.3908622563	Sum of GTIs [s]
l2events	395	Number of level 2 events



2 OBI Primary

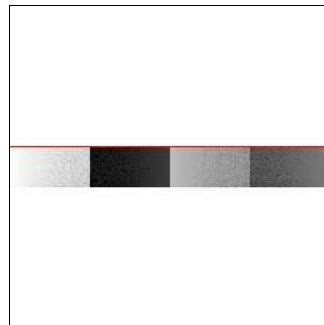
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1118.3908622563	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	1118.3908622563	Sum of GTIs [s]
date	2012-08-24T04:21:28	Date and time of file creation	l1events	2726	Number of level 1 events
revision	5	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	2726
rejected events	353
rejected %	12%

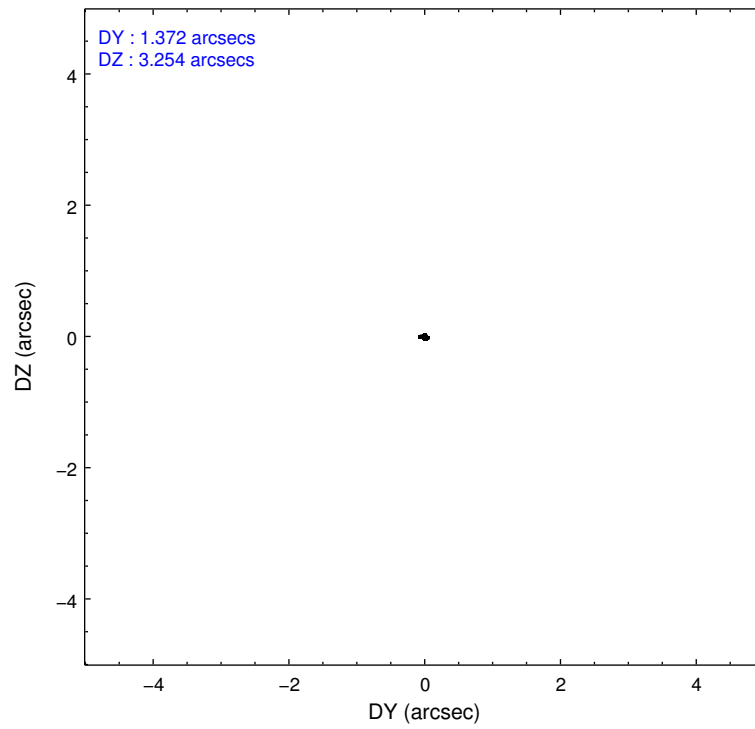
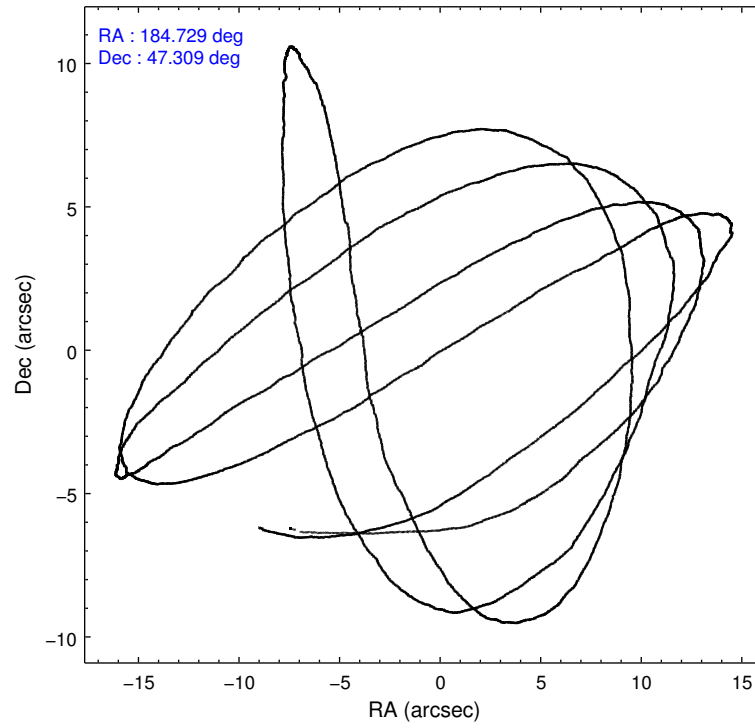
	ccd 7
grade 0 events	2036
	74%
grade 1 events	5
	0%
grade 2 events	92
	3%
grade 3 events	74
	2%
grade 4 events	61
	2%
grade 5 events	44
	1%
grade 6 events	111
	4%
grade 7 events	303
	11%

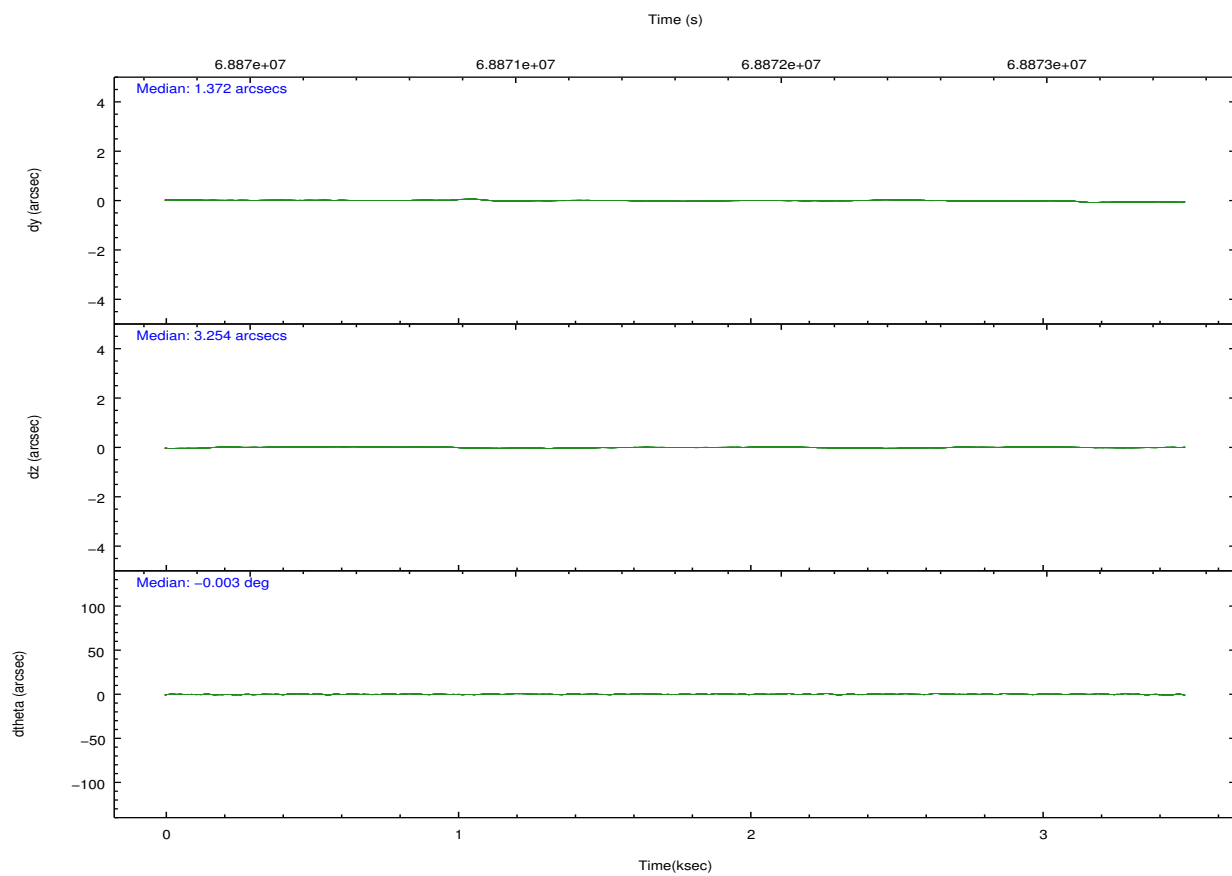
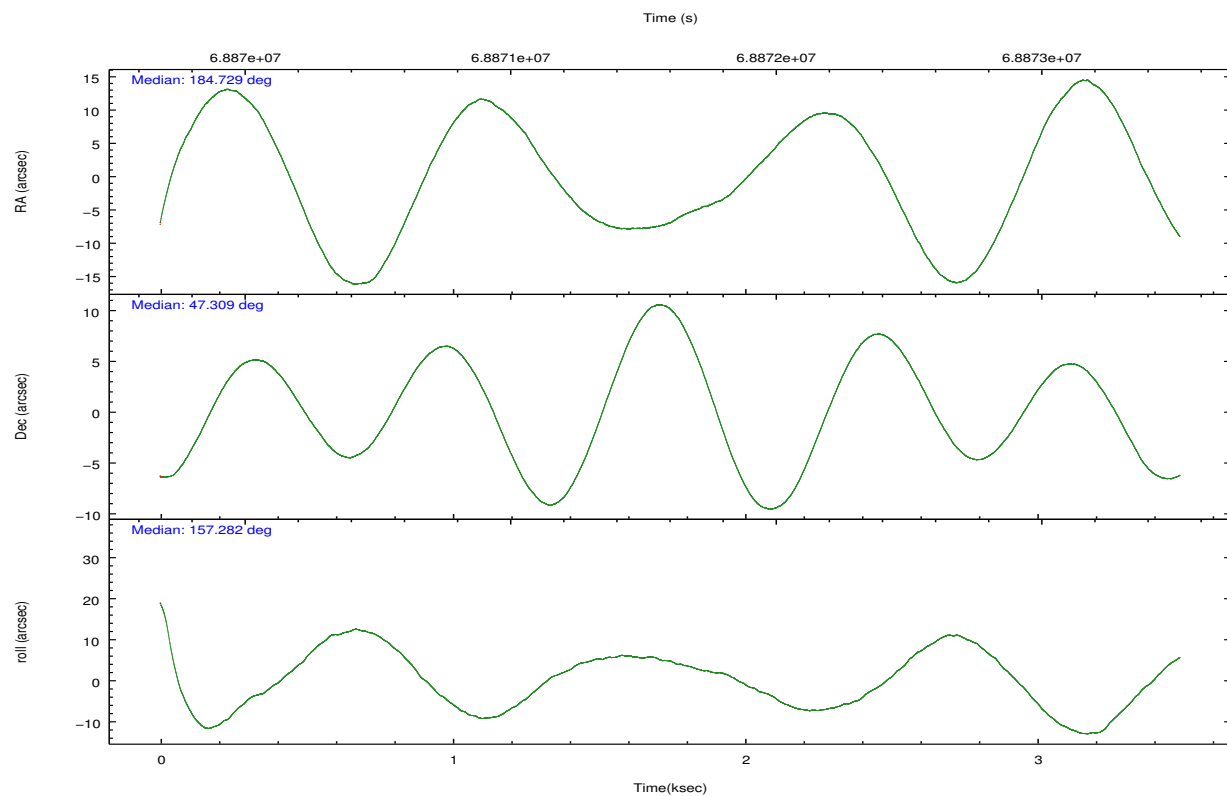
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	184.768578	184.7286292896945
[deg] Pointing Dec	47.312359	47.30875980579336
[deg] Pointing Roll	157.104414	157.2904670130332
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	68870341.184000	68869451.987819
Observation start date	2000-03-08T02:37:57	2000-03-08T02:24:11
[s] Observation end time (MET)	68873341.184000	68874290.500496
Observation end date	2000-03-08T03:27:57	2000-03-08T03:44:50
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	447	447
Subarray row count	128	128
Alternating exposures requested	Y	Y
[s] Primary exposure time	0.100000	0.1
[s] Secondary exposure time	0.400000	0.4
Duty cycle	2	2

2.3 Aspect



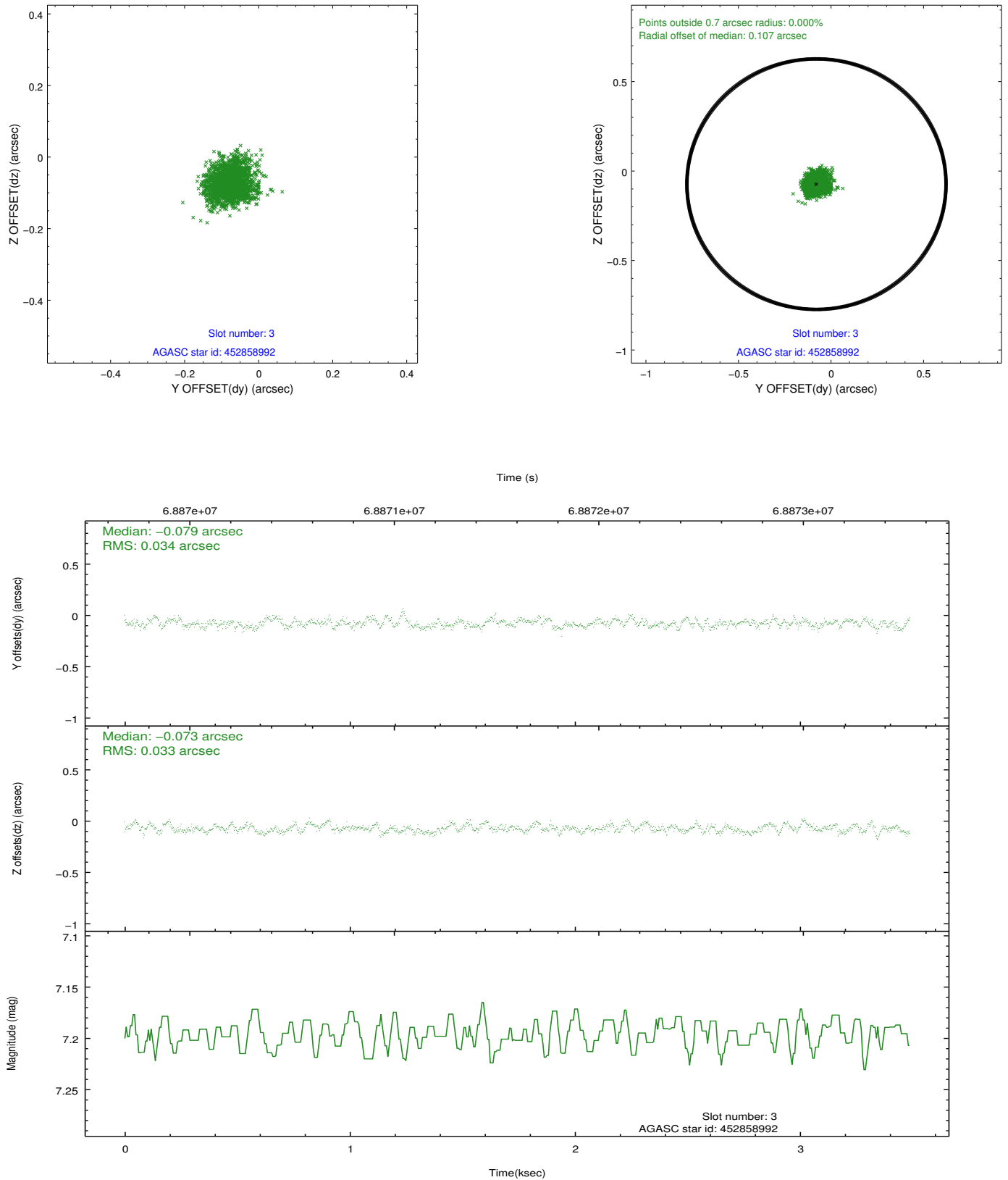


Slot Statistics

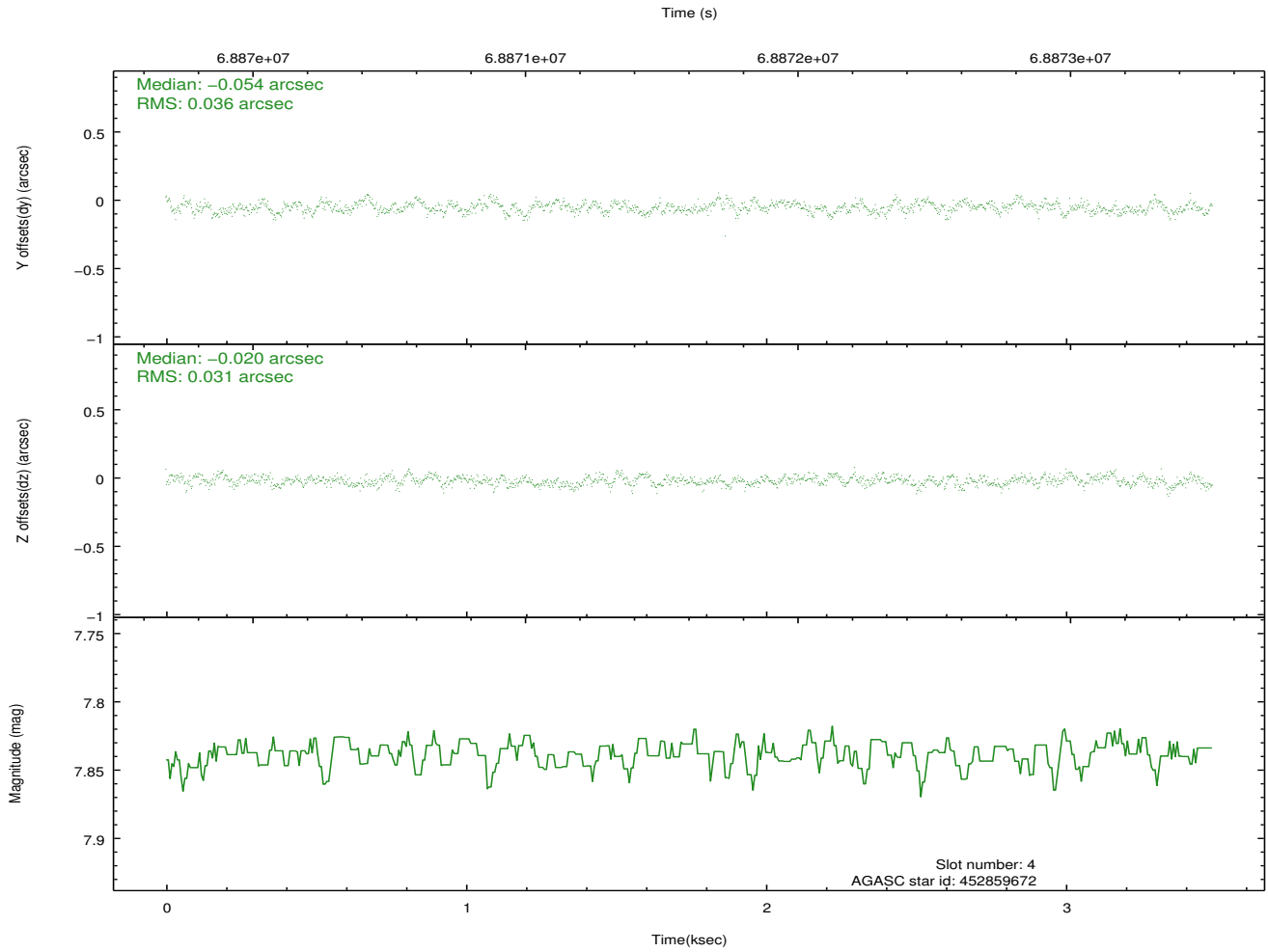
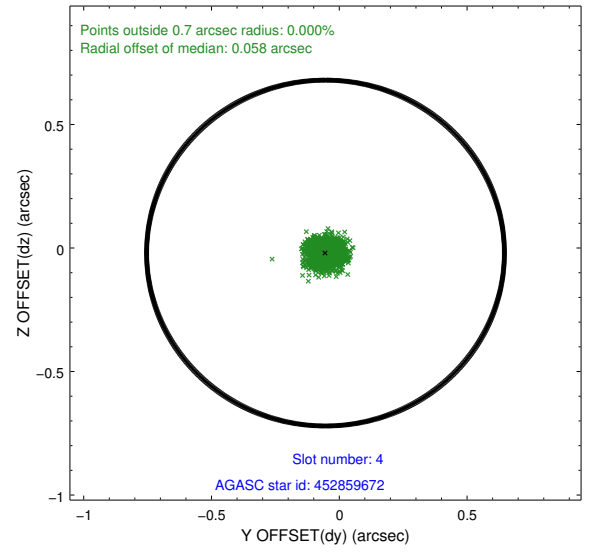
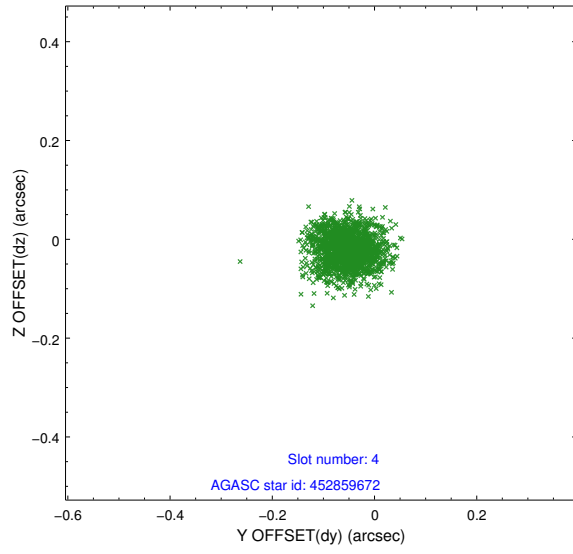
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	852	-0.001	-0.014	0.006	0.011	0.000000	0.000000	-754.01	-1724.31
1	FID	ACIS-S-4	7.21	852	-0.006	0.004	0.005	0.009	0.000000	0.000000	2158.50	182.26
2	FID	ACIS-S-5	7.24	852	-0.024	0.019	0.007	0.011	0.000000	0.000000	-1804.49	178.10
3	GUIDE	452858992	7.20	1703	-0.079	-0.073	0.051	0.080	183.815161	47.115501	1881.89	1547.94
4	GUIDE	452859672	7.84	1703	-0.054	-0.020	0.051	0.081	183.661987	47.013592	2092.63	2030.34
5	GUIDE	452856552	8.65	1702	-0.005	-0.006	0.069	0.110	184.964211	47.802867	253.62	-1810.83
6	GUIDE	452858496	8.67	1703	0.143	0.106	0.068	0.110	183.591783	47.048083	2298.18	1978.15
7	GUIDE	452859952	8.91	1702	-0.007	-0.005	0.067	0.108	183.979507	47.127047	1526.48	1358.15

2.4 Star Slots

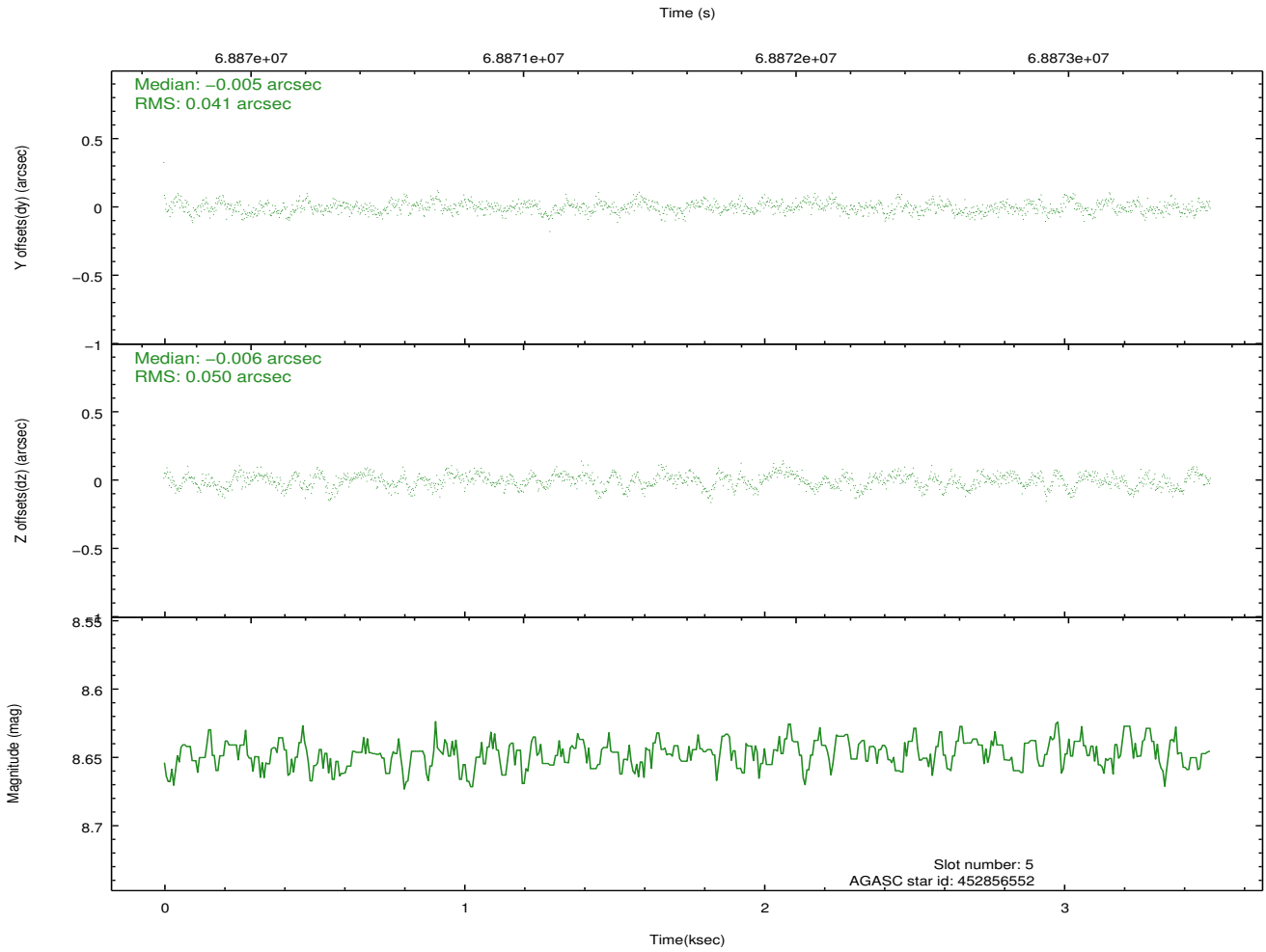
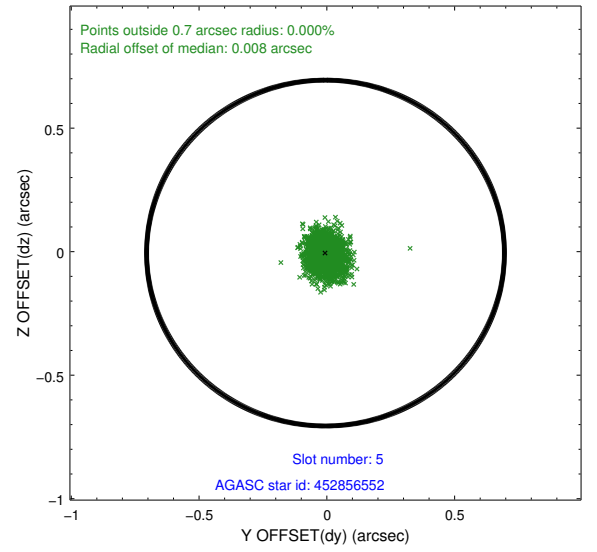
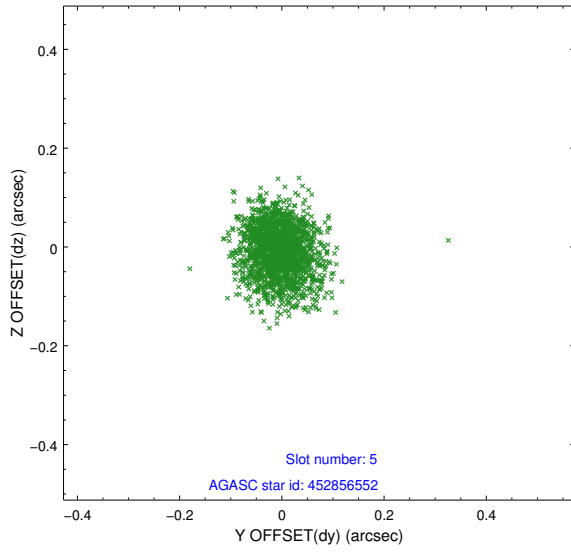
2.4.1 Slot 3



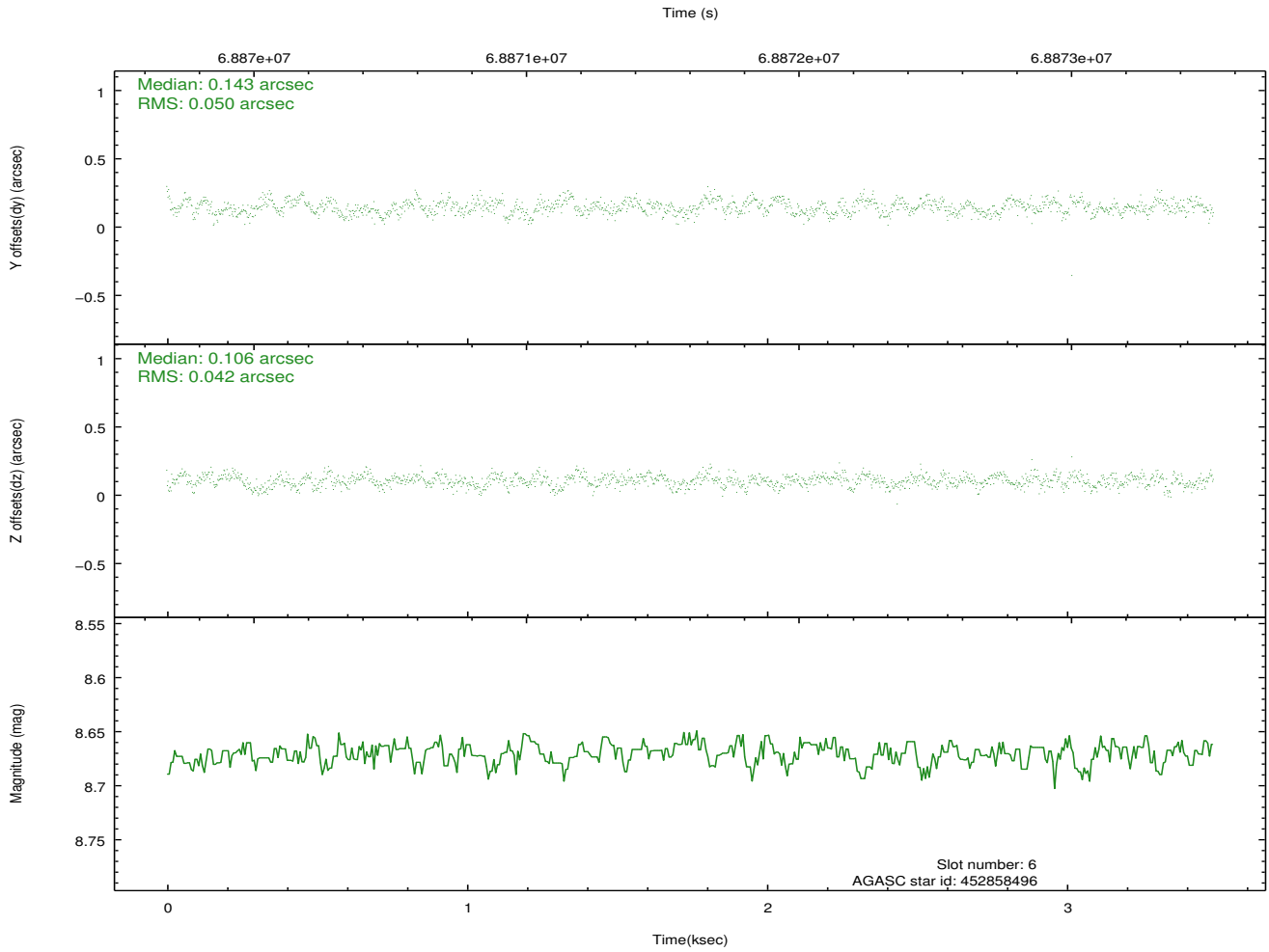
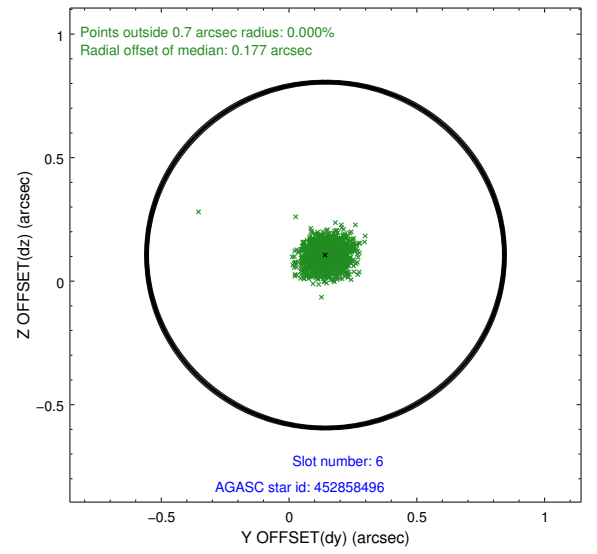
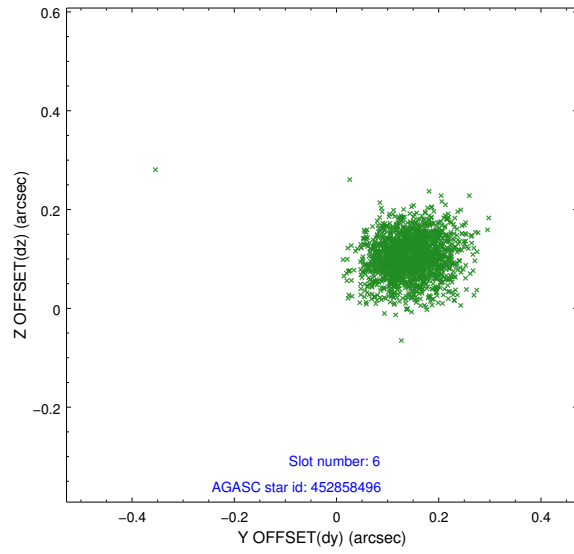
2.4.2 Slot 4



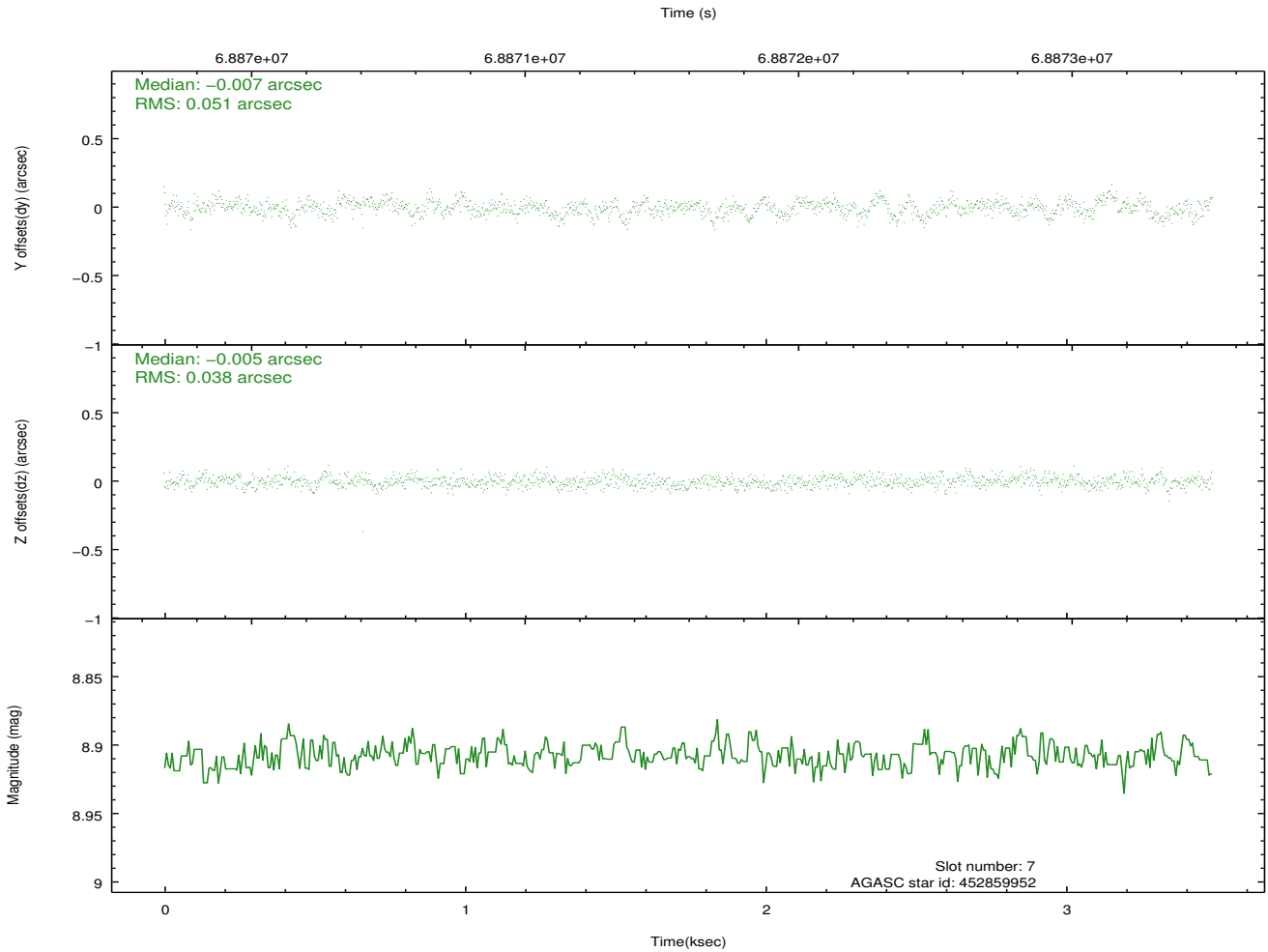
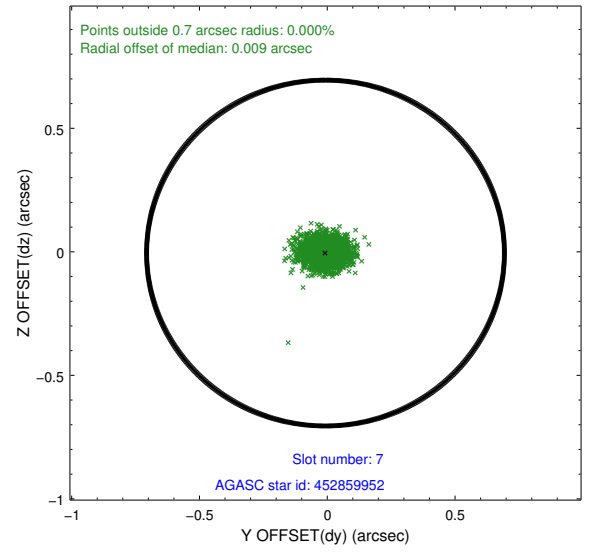
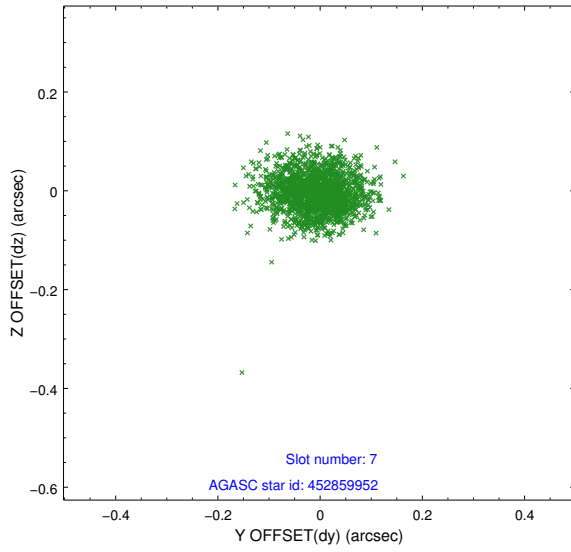
2.4.3 Slot 5



2.4.4 Slot 6

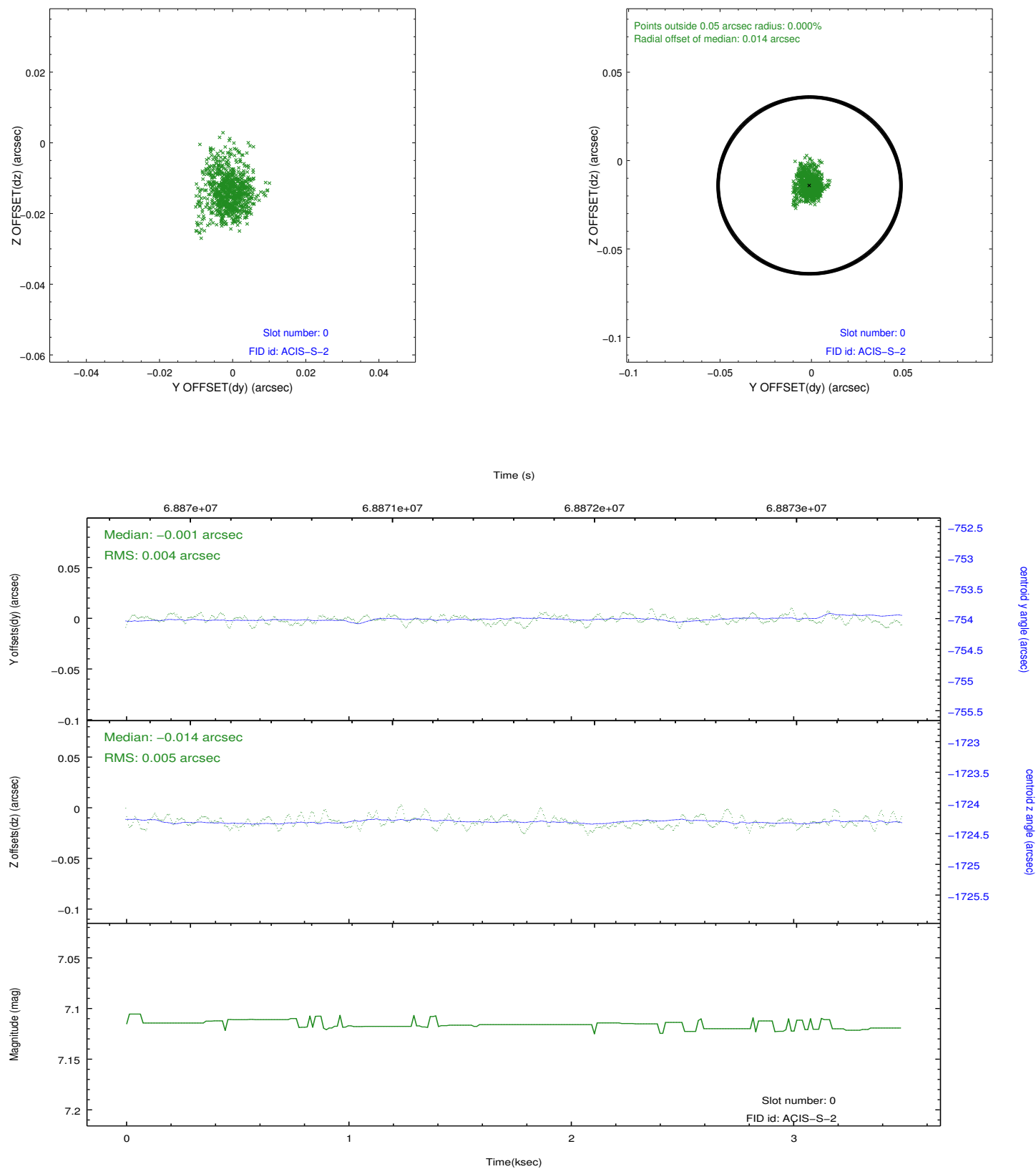


2.4.5 Slot 7

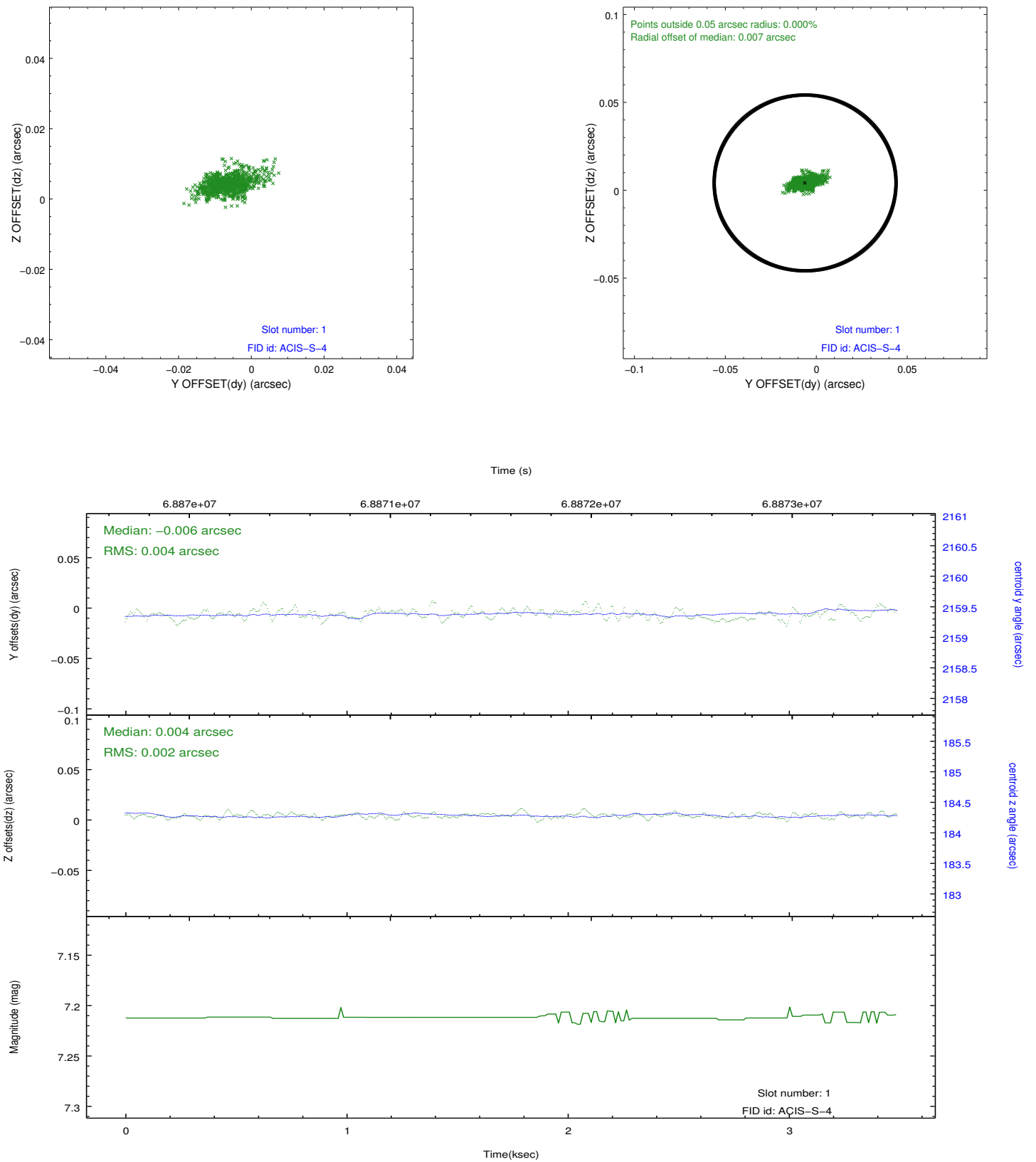


2.5 FID Slots

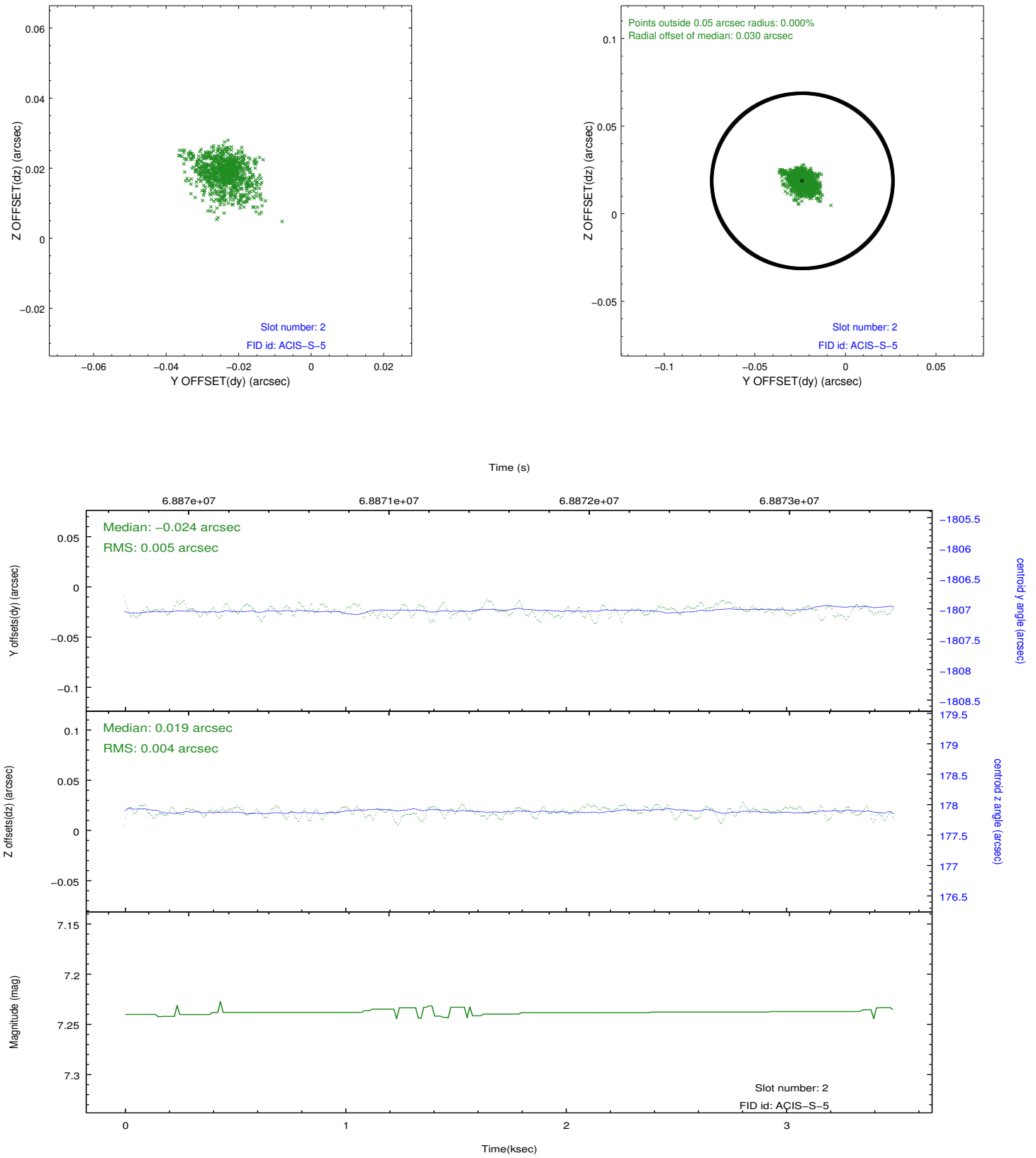
2.5.1 Slot 0



2.5.2 Slot 1



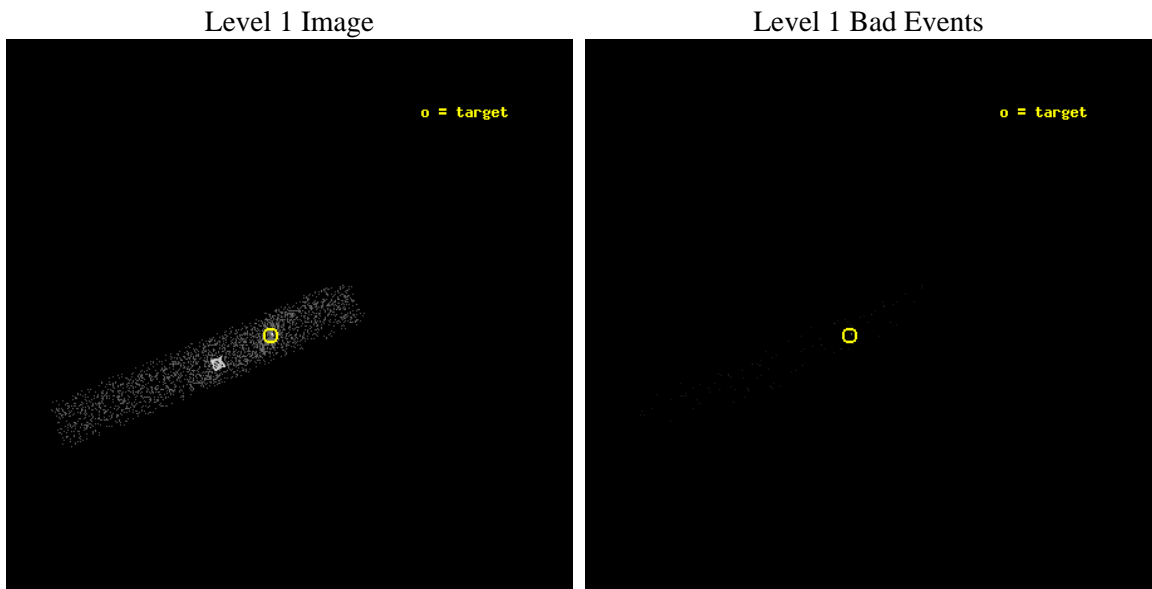
2.5.3 Slot 2



3 OBI Secondary

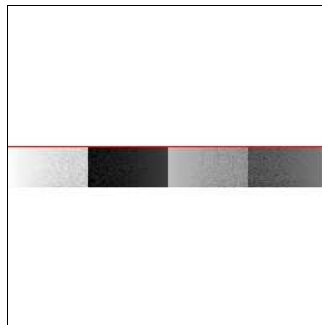
3.1 OBI

3.1.1 Images



3.1.2 Bias

Chip 7



3.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1731.4362782985	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime7	1731.4362782985	Sum of GTIs [s]
date	2012-08-24T04:21:32	Date and time of file creation	l1events	7253	Number of level 1 events
revision	5	Processing version of data			

3.1.4 Events

	ccd 7
level 1 events	7253
rejected events	1081
rejected %	14%

	ccd 7
grade 0 events	4444
	61%
grade 1 events	8
	0%
grade 2 events	518
	7%
grade 3 events	268
	3%
grade 4 events	255
	3%
grade 5 events	178
	2%
grade 6 events	689
	9%
grade 7 events	893
	12%

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.849

A.2 Comments