

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7688 - L2 Version 2
Chandra X-Ray Center

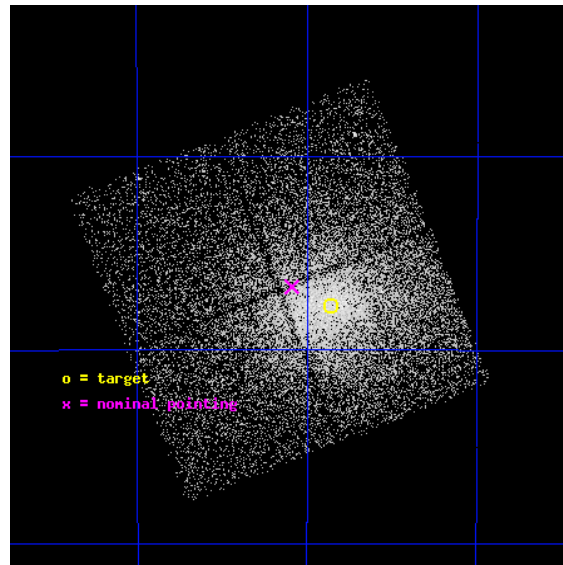
L2 Processing Date : May 1 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

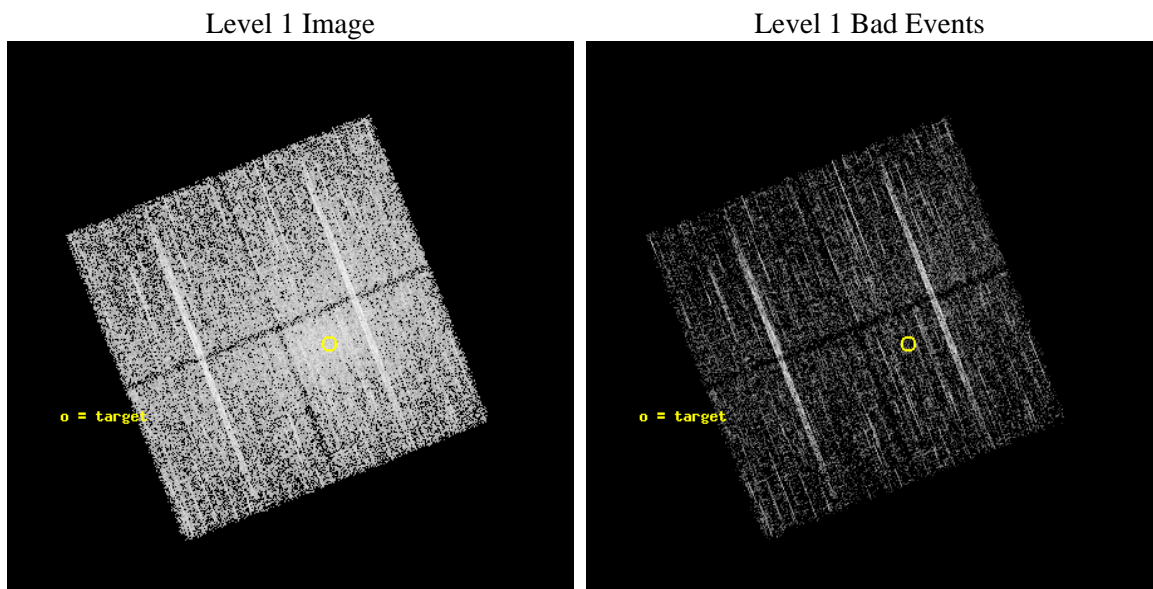
seq_num	701356	Sequence number
obs_id	7688	Observation id
title	Snapshot Survey for X-ray Outbursts in Rich Clusters of Galaxies	P
observer	Professor Gordon Garmire	Principal investigator
object	A3158	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	55.715833	Observer's specified target RA [deg]
dec_targ	-53.628889	Observer's specified target Dec [deg]
ra_nom	55.772338634902	Nominal RA [deg]
dec_nom	-53.612481059845	Nominal Dec [deg]
roll_nom	68.484394722335	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5049.8590685725	Sum of GTIs [s]
livetime	4983.8789421895	Livetime [s]
ontime0	5053.0000388622	Sum of GTIs [s]
ontime1	5053.0000388622	Sum of GTIs [s]
ontime2	5053.0000388622	Sum of GTIs [s]
ontime3	5049.8590685725	Sum of GTIs [s]
l2events	28874	Number of level 2 events



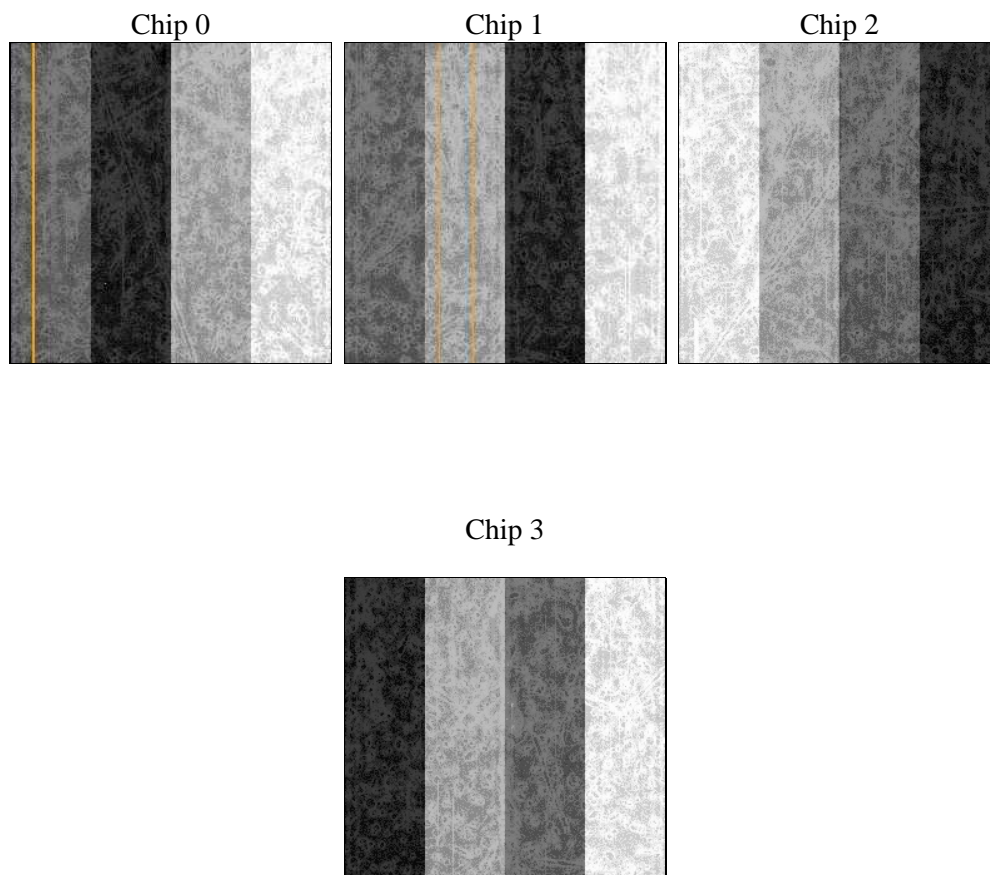
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5049.8590685725	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5053.0000388622	Sum of GTIs [s]
date	2012-05-01T04:36:38	Date and time of file creation	ontime1	5053.0000388622	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5053.0000388622	Sum of GTIs [s]
			ontime3	5049.8590685725	Sum of GTIs [s]
			l1events	159156	Number of level 1 events

2.1.4 Events

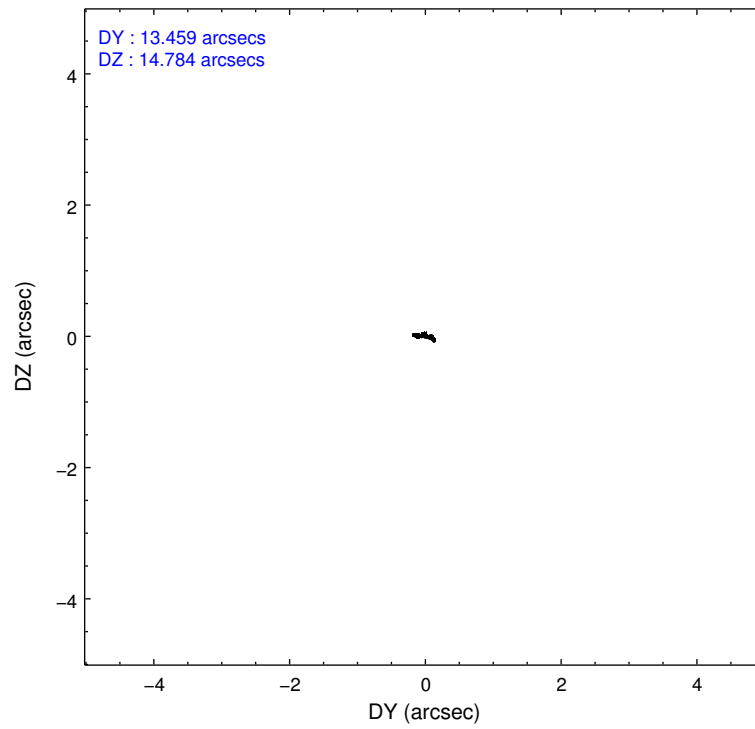
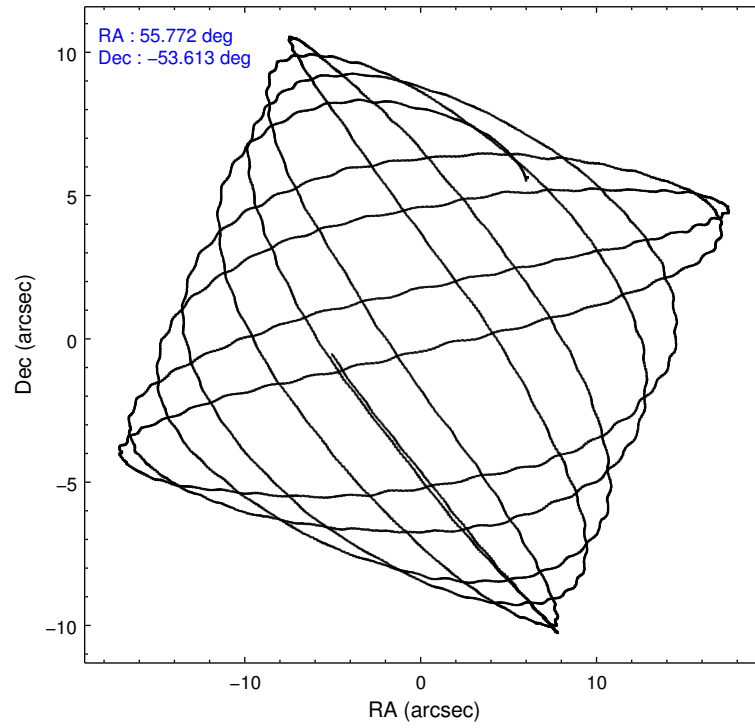
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	33907	35533	42684	47032
rejected events	29345	28968	36216	32246
rejected %	86%	81%	84%	68%

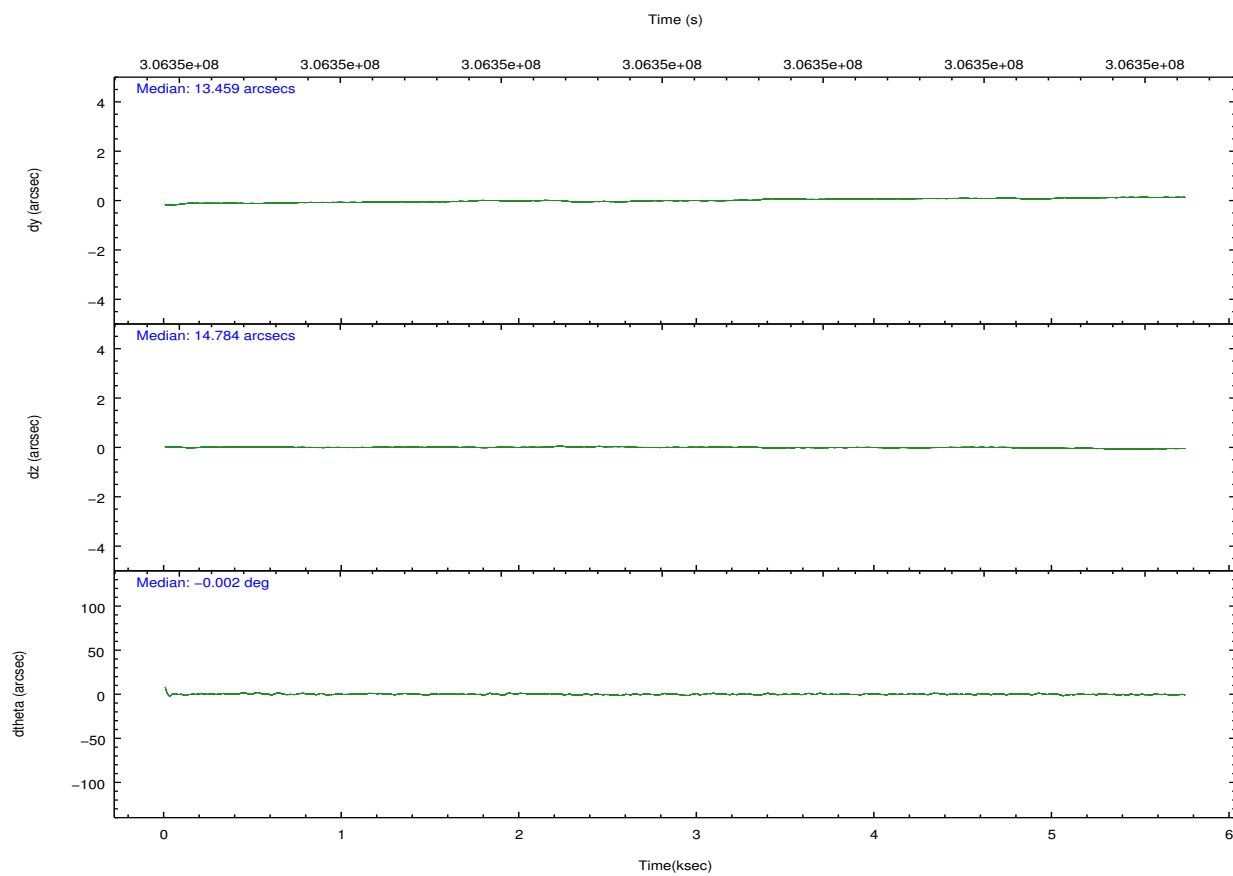
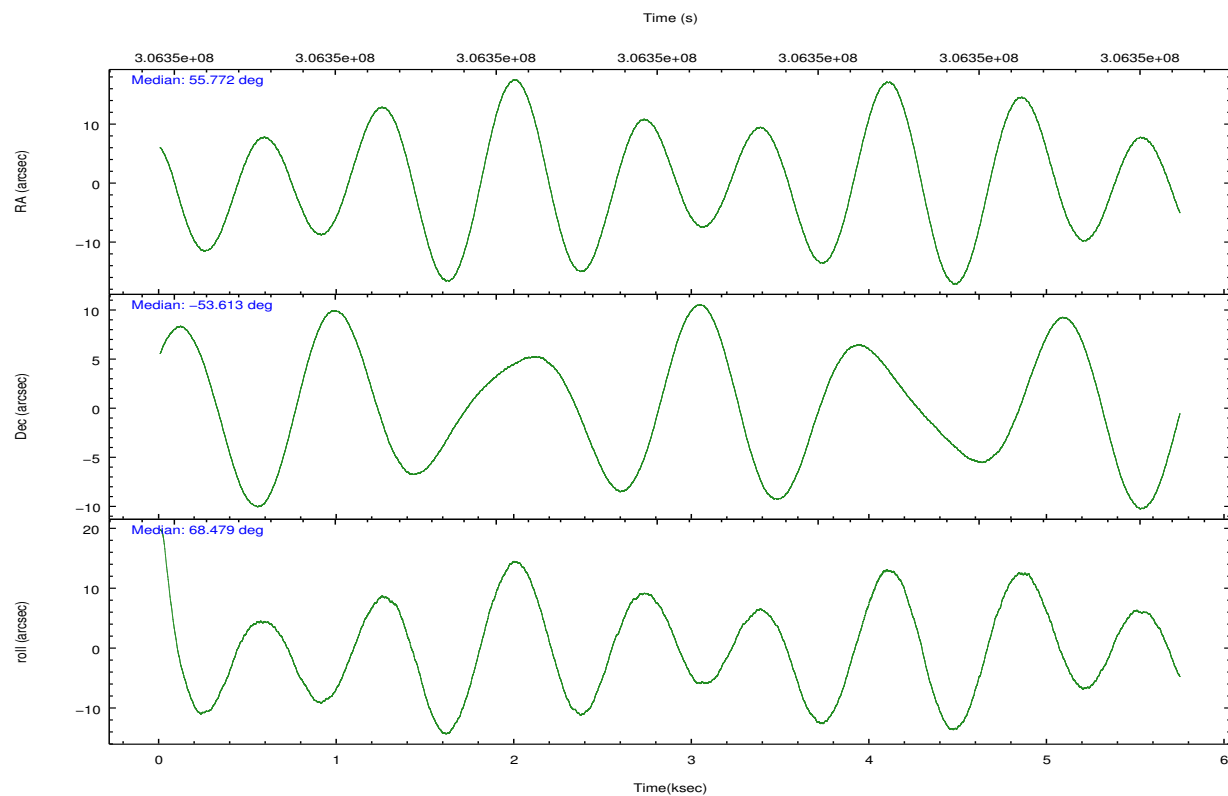
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2509	3938	4063	10970
	7%	11%	9%	23%
grade 1 events	22	29	36	83
	0%	0%	0%	0%
grade 2 events	842	1008	1113	1784
	2%	2%	2%	3%
grade 3 events	350	540	394	680
	1%	1%	0%	1%
grade 4 events	364	494	393	657
	1%	1%	0%	1%
grade 5 events	566	697	570	746
	1%	1%	1%	1%
grade 6 events	504	590	511	714
	1%	1%	1%	1%
grade 7 events	28750	28237	35604	31398
	84%	79%	83%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	55.779424	55.77233863490151	Subarray requested	NONE	NONE
[deg] Pointing Dec	-53.639636	-53.61248105984495	Alternating exposures requested	N	N
[deg] Pointing Roll	68.281381	68.48439472233474	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	306347952.184000	306346801.43446			
Observation start date	2007-09-16T16:38:07	2007-09-16T16:20:01			
[s] Observation end time (MET)	306352952.184000	306353948.24731			
Observation end date	2007-09-16T18:01:27	2007-09-16T18:19:08			
Read mode	TIMED	TIMED			

2.3 Aspect



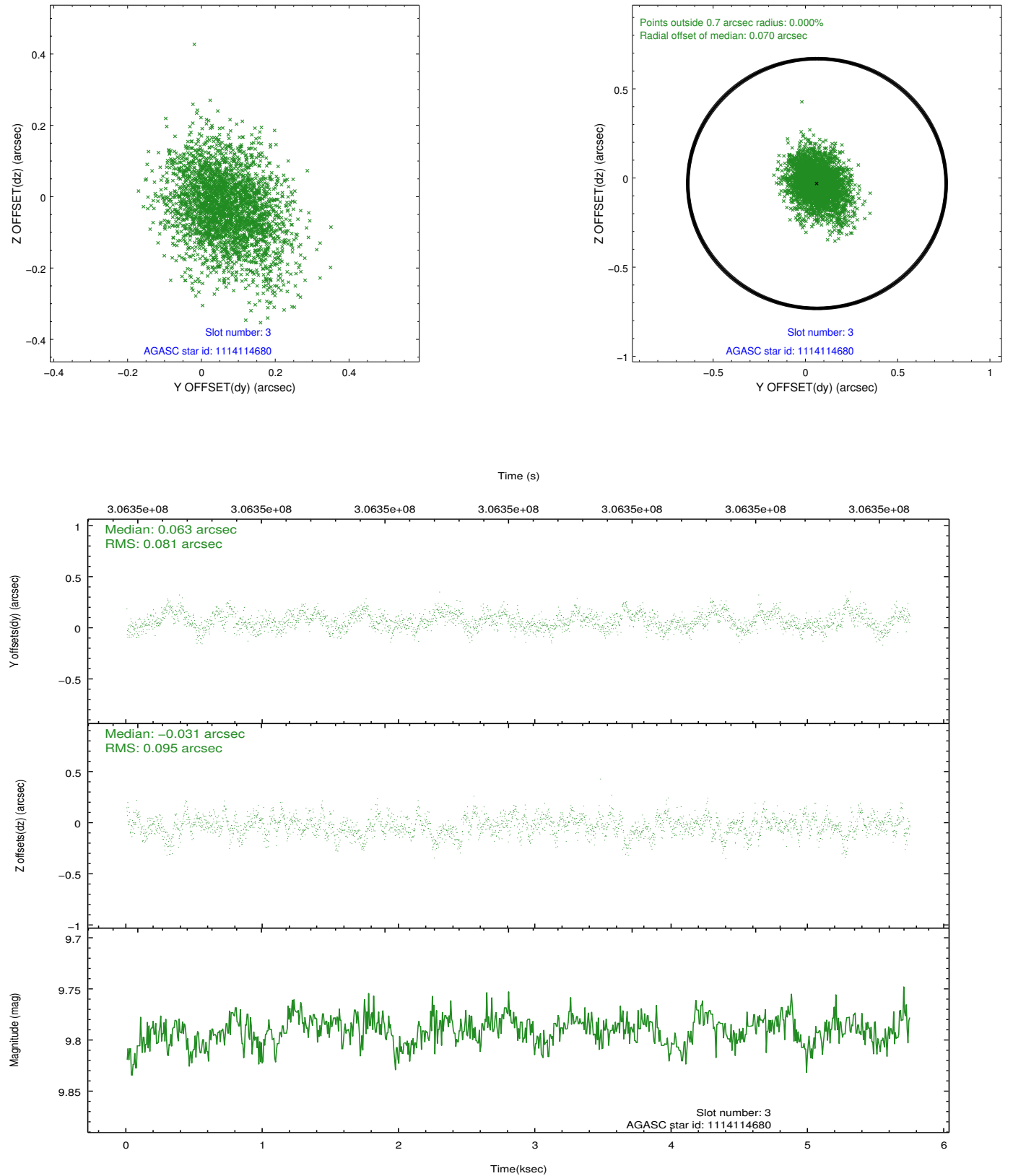


Slot Statistics

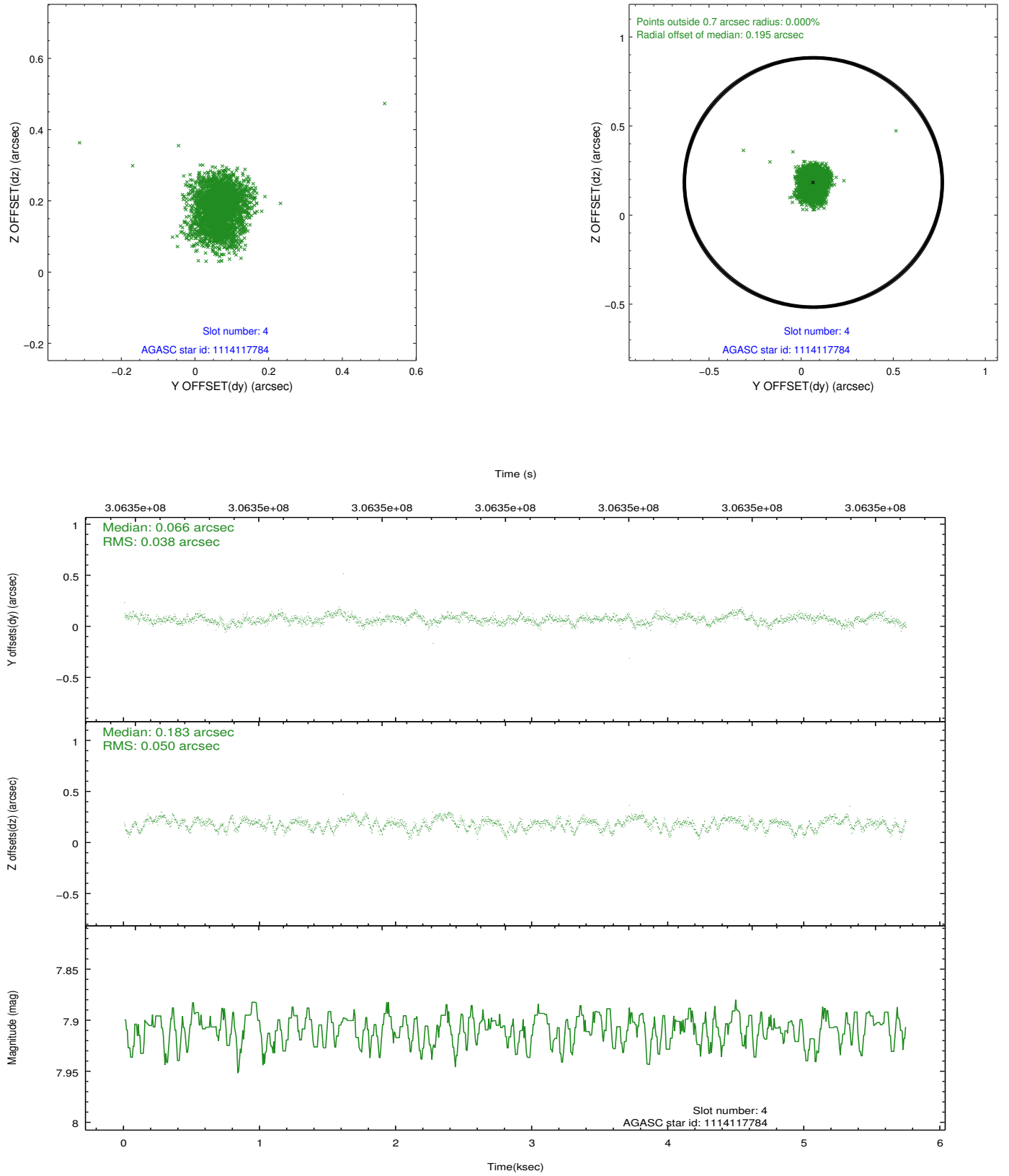
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1401	-0.013	0.022	0.009	0.014	0.000000	0.000000	926.02	-838.35
1	FID	ACIS-I-4	7.15	1401	0.188	0.014	0.007	0.012	0.000000	0.000000	2146.85	1060.92
2	FID	ACIS-I-5	7.21	1401	-0.273	0.034	0.006	0.011	0.000000	0.000000	-1820.90	1059.99
3	GUIDE	1114114680	9.79	2802	0.063	-0.031	0.130	0.218	54.850056	-53.497104	-271.83	2034.03
4	GUIDE	1114117784	7.91	2803	0.066	0.183	0.066	0.107	56.191874	-54.166281	-1441.63	-1509.24
5	GUIDE	1114119656	9.32	2800	0.003	-0.019	0.085	0.143	55.642480	-53.276810	1103.66	756.62
6	GUIDE	1114120328	8.00	2801	-0.019	-0.001	0.067	0.109	55.167791	-53.738234	-816.25	1076.08
7	GUIDE	1114123848	8.89	2800	-0.114	-0.126	0.066	0.107	55.233077	-54.036361	-1758.69	543.14

2.4 Star Slots

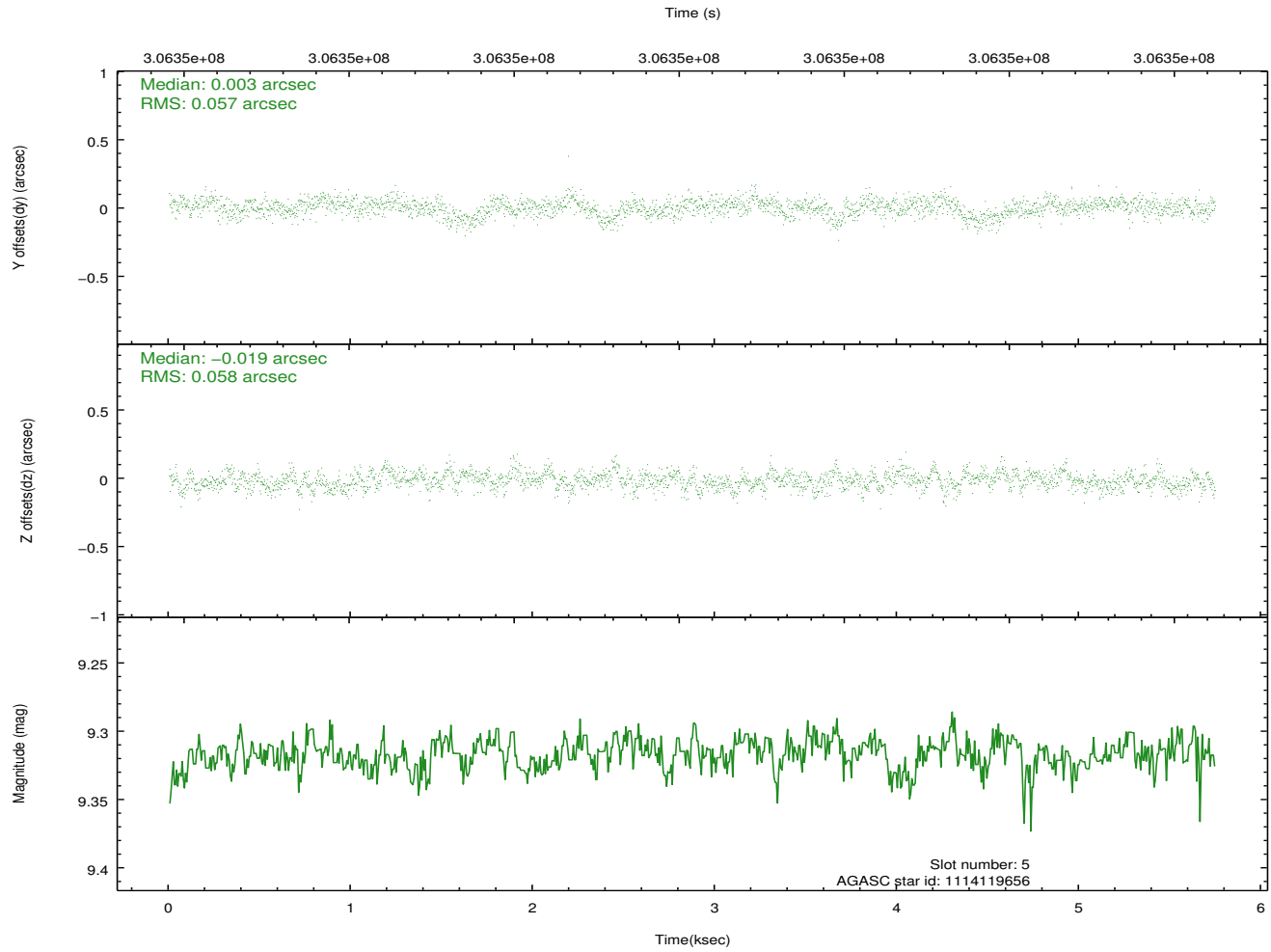
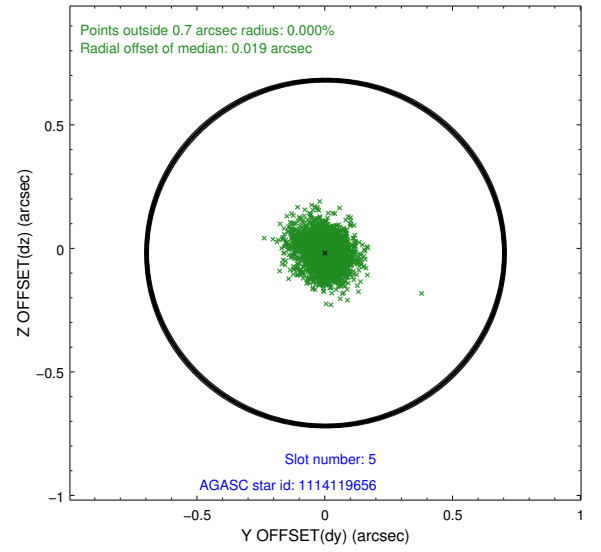
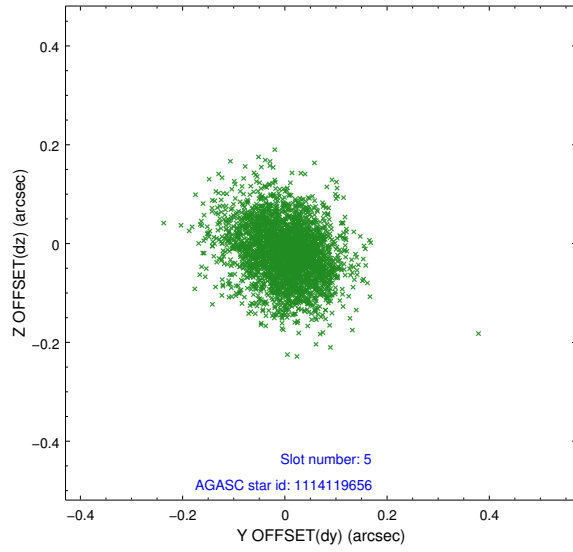
2.4.1 Slot 3



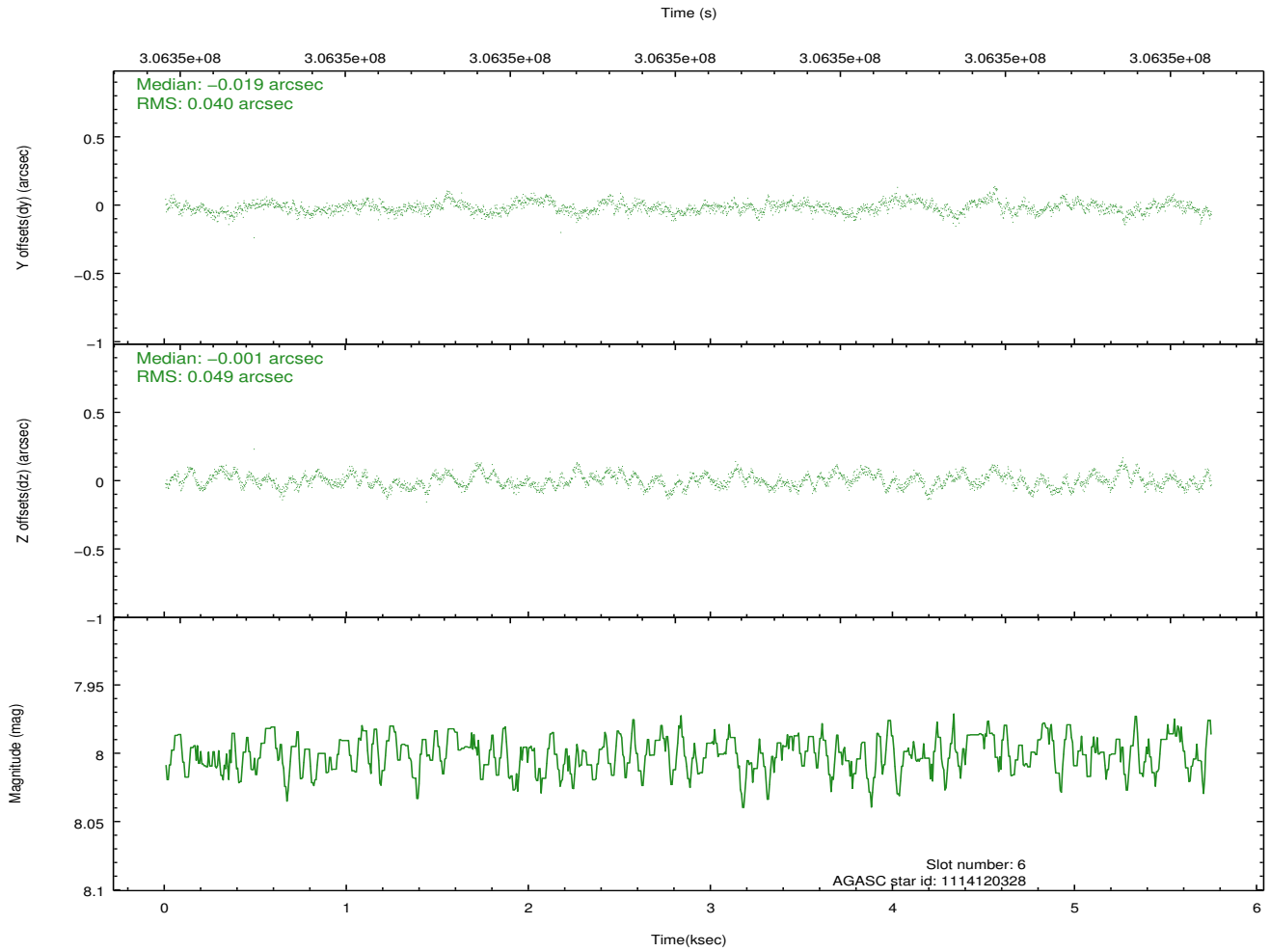
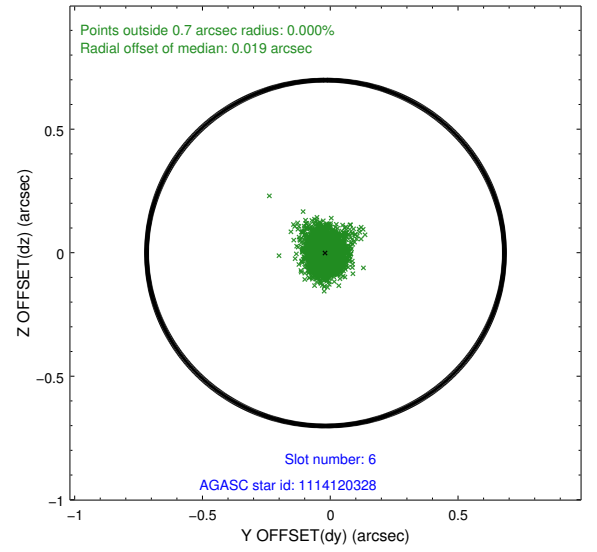
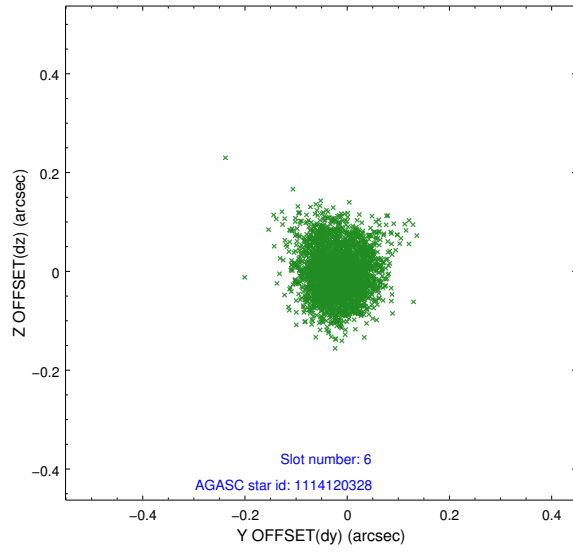
2.4.2 Slot 4



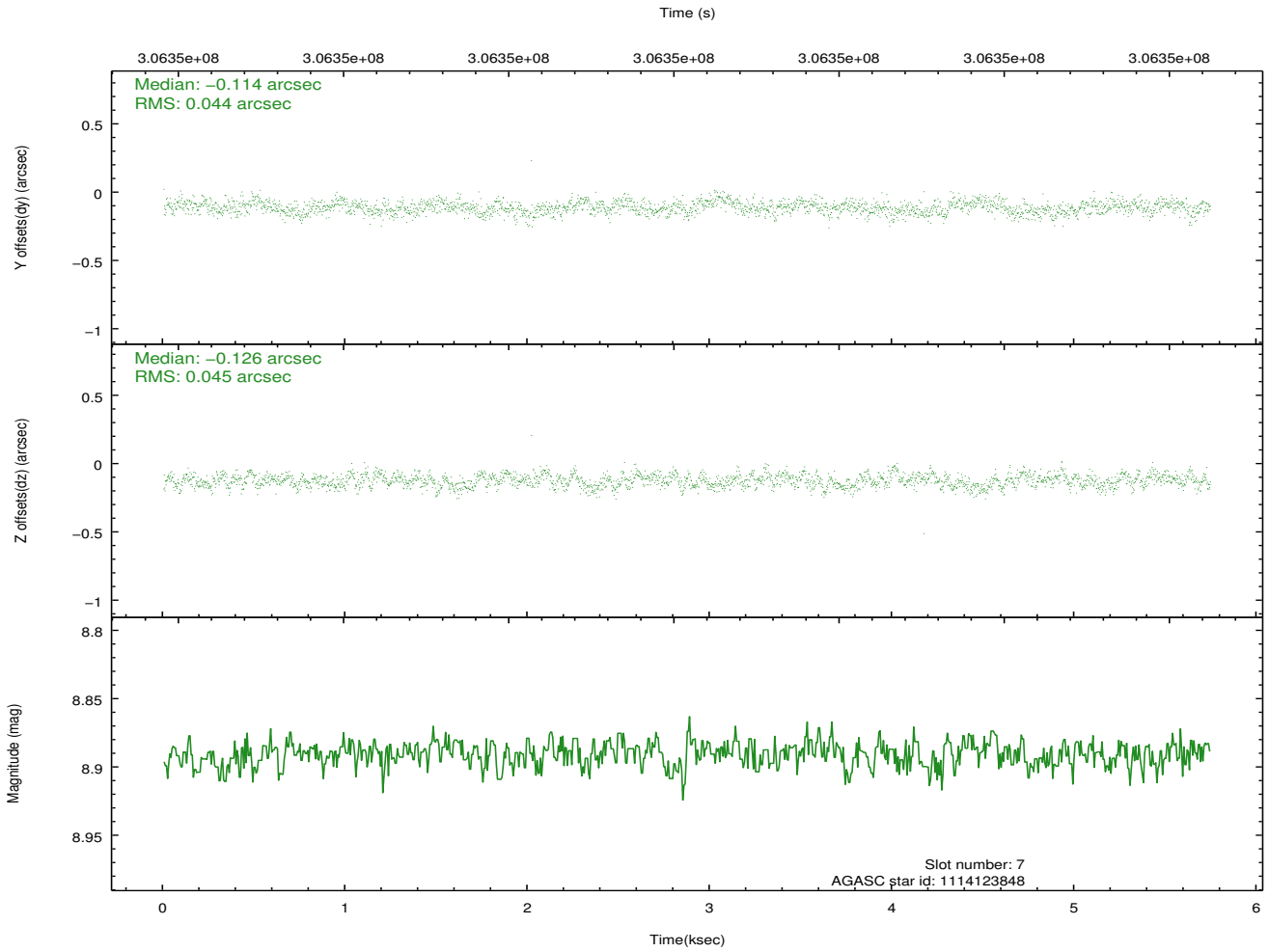
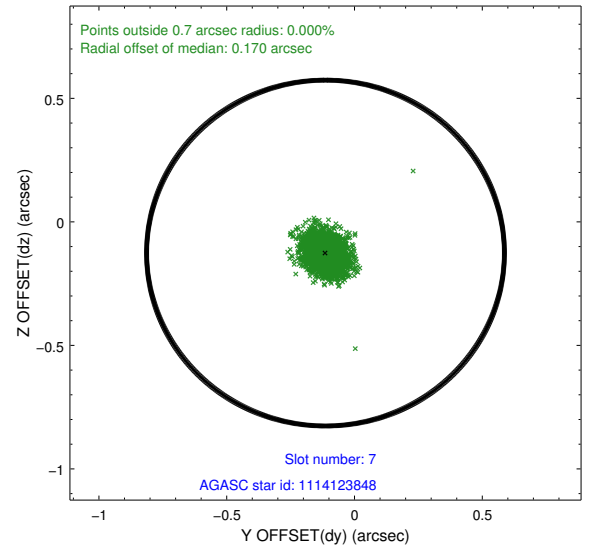
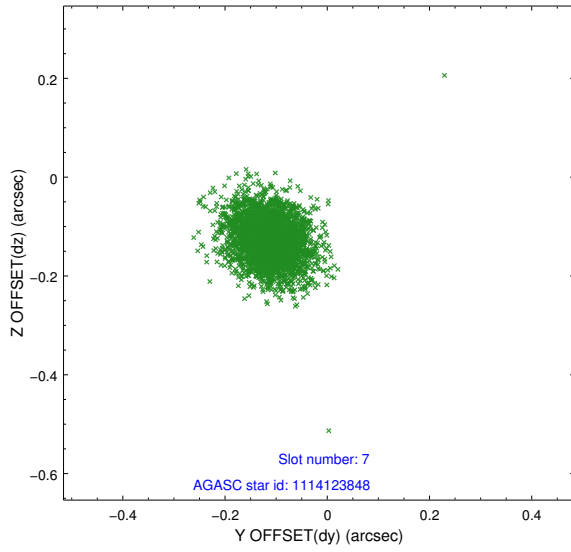
2.4.3 Slot 5



2.4.4 Slot 6

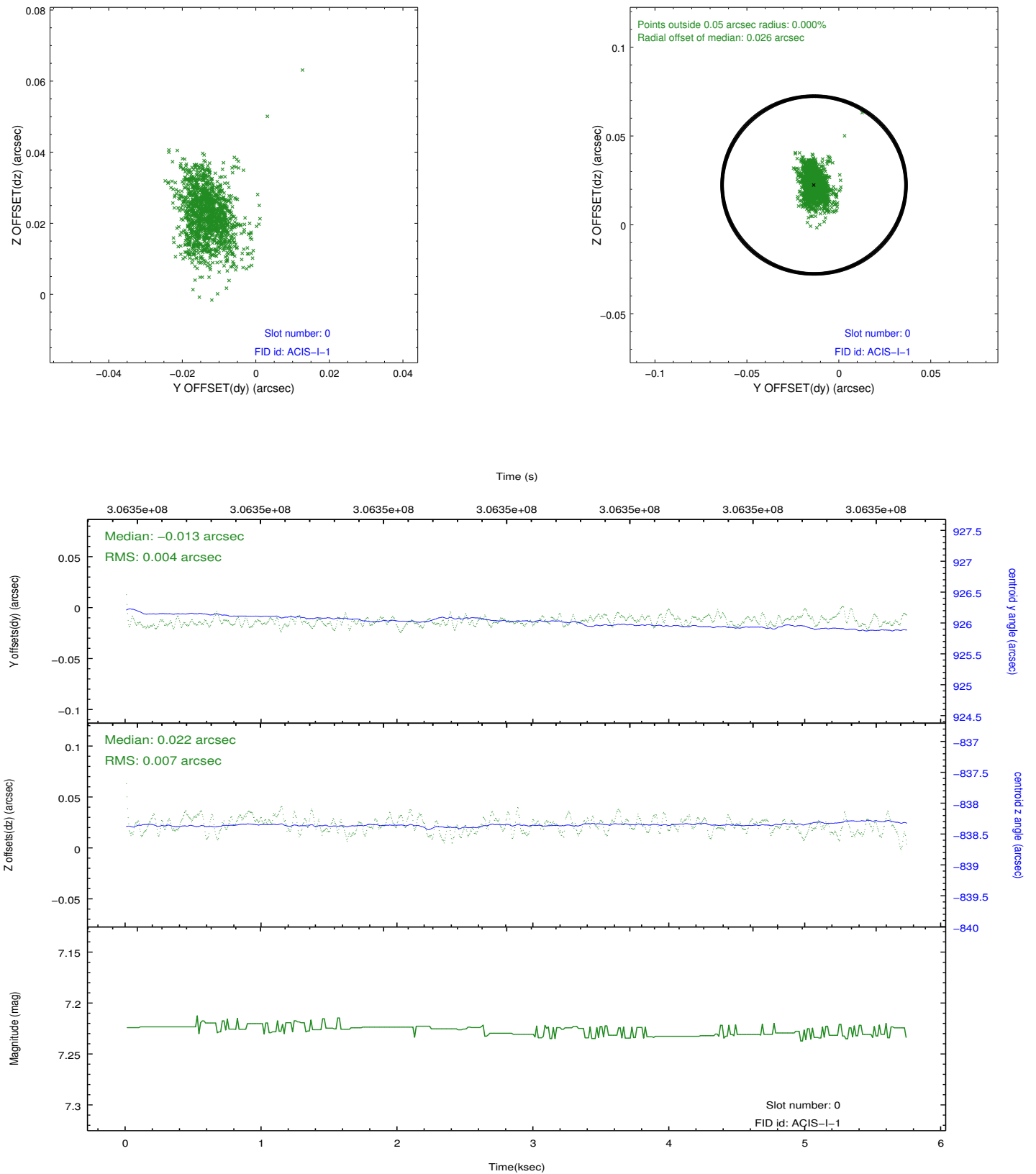


2.4.5 Slot 7

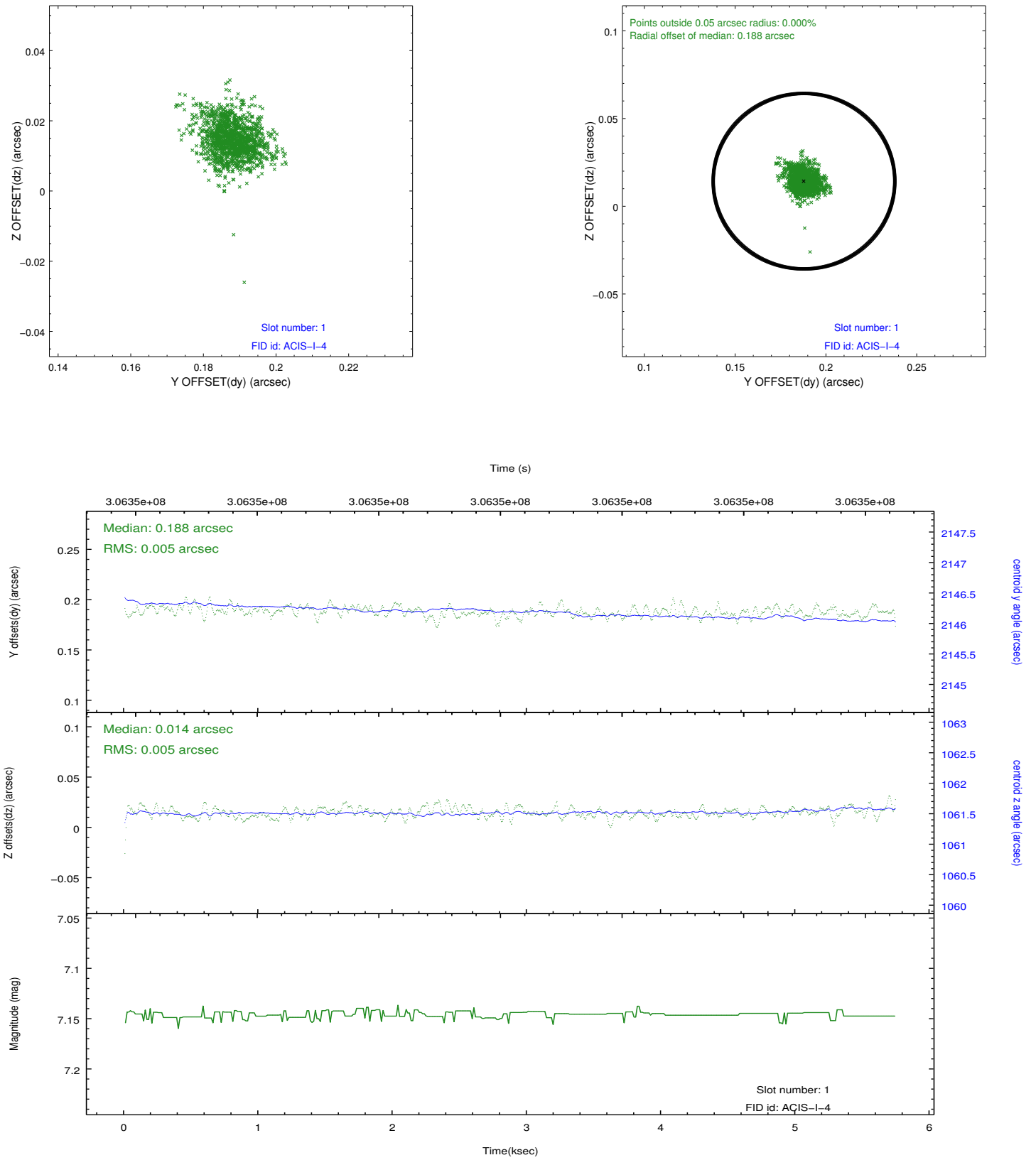


2.5 FID Slots

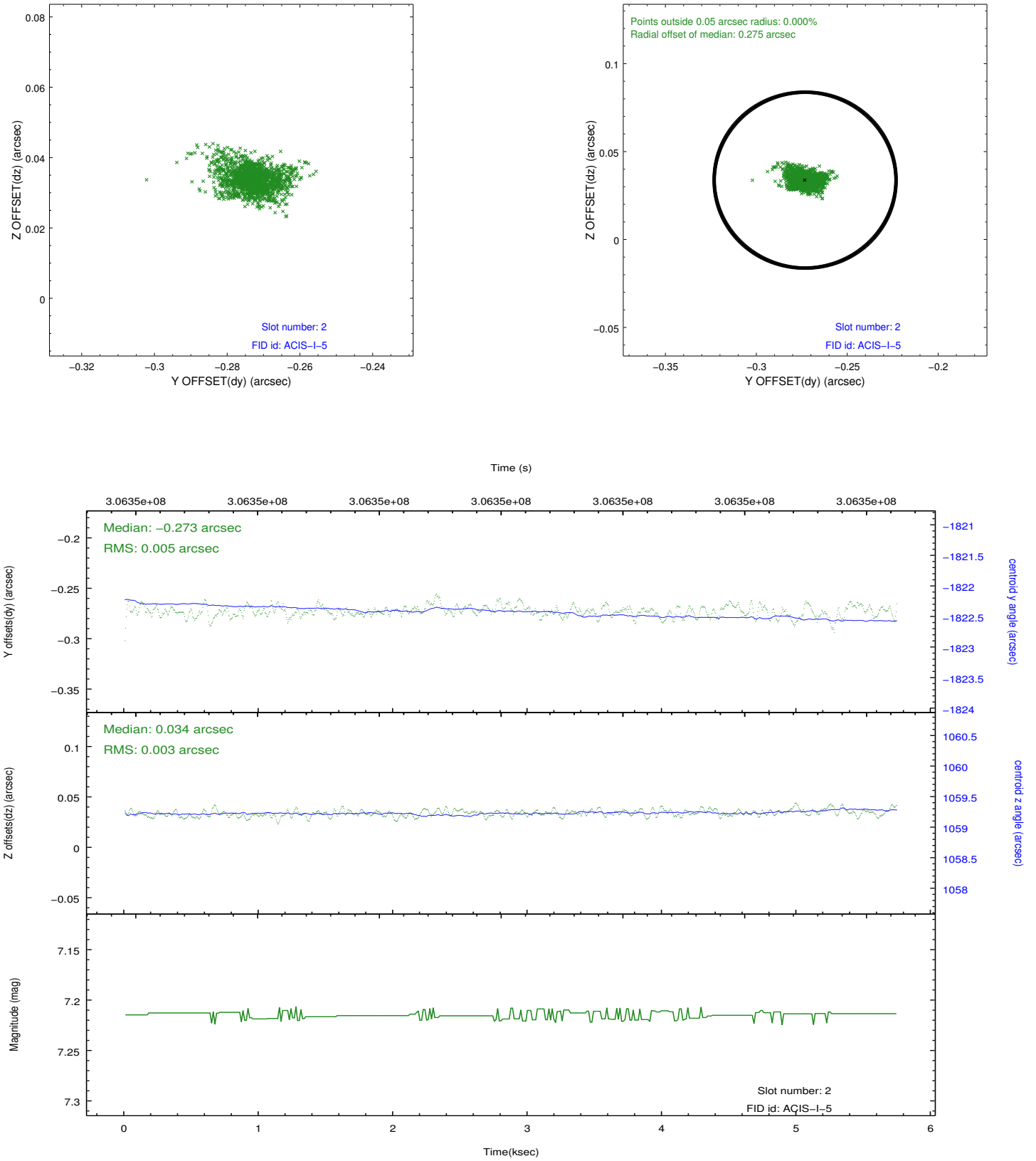
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.04985906

A.2 Comments