

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7608 - L2 Version 2
Chandra X-Ray Center

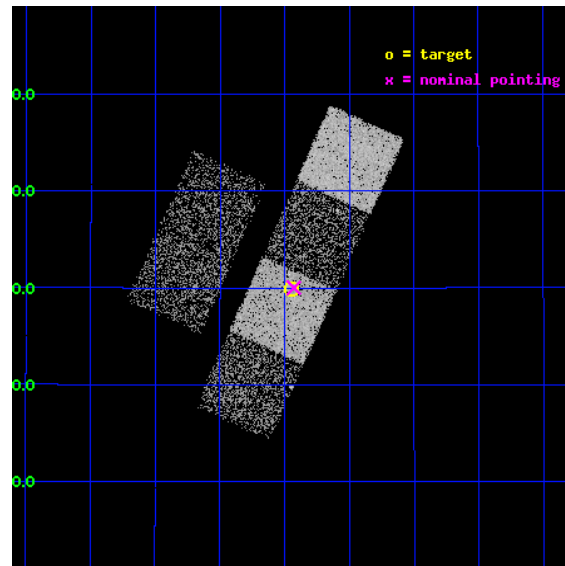
L2 Processing Date : Apr 27 2012

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

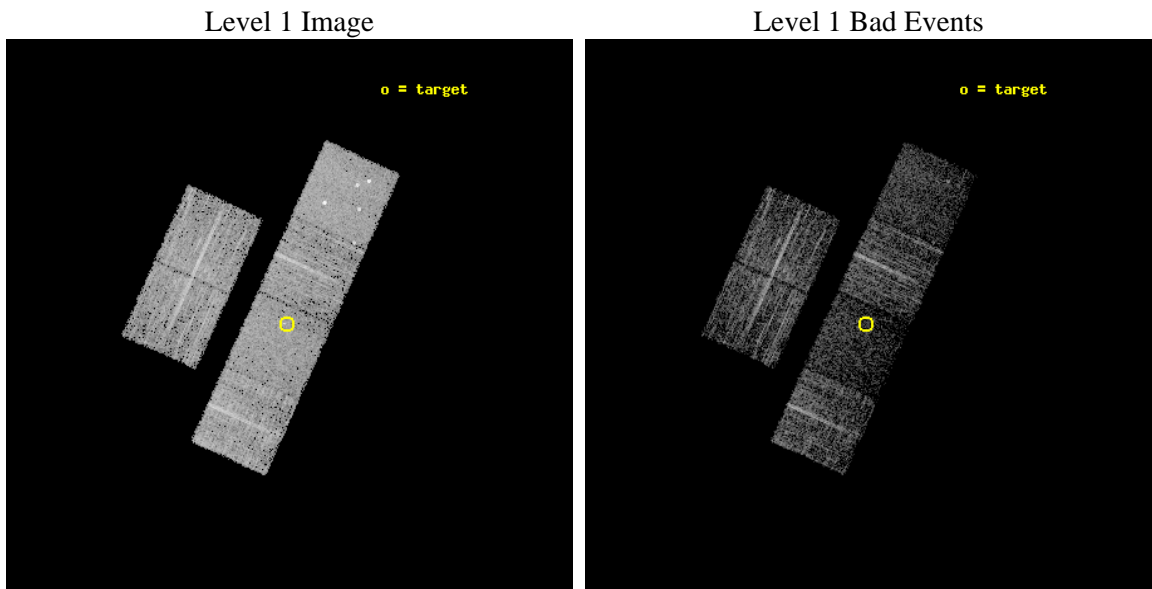
seq_num	500738	Sequence number
obs_id	7608	Observation id
title	CHANDRA OBSERVATIONS OF YOUNG ENERGETIC SUPERNOVAE	Proposal title
observer	Prof. David Pooley	Principal investigator
object	SN 2005db	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.361667	Observer's specified target RA [deg]
dec_targ	25.497667	Observer's specified target Dec [deg]
ra_nom	10.357092063918	Nominal RA [deg]
dec_nom	25.500274706327	Nominal Dec [deg]
roll_nom	114.28625577109	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3039.9999887347	Sum of GTIs [s]
livetime	3001.5056784091	Livetime [s]
ontime2	3039.9999887347	Sum of GTIs [s]
ontime3	3036.7590084076	Sum of GTIs [s]
ontime5	3039.9999887347	Sum of GTIs [s]
ontime6	3039.9999887347	Sum of GTIs [s]
ontime7	3039.9999887347	Sum of GTIs [s]
ontime8	3039.9999887347	Sum of GTIs [s]
l2events	32470	Number of level 2 events



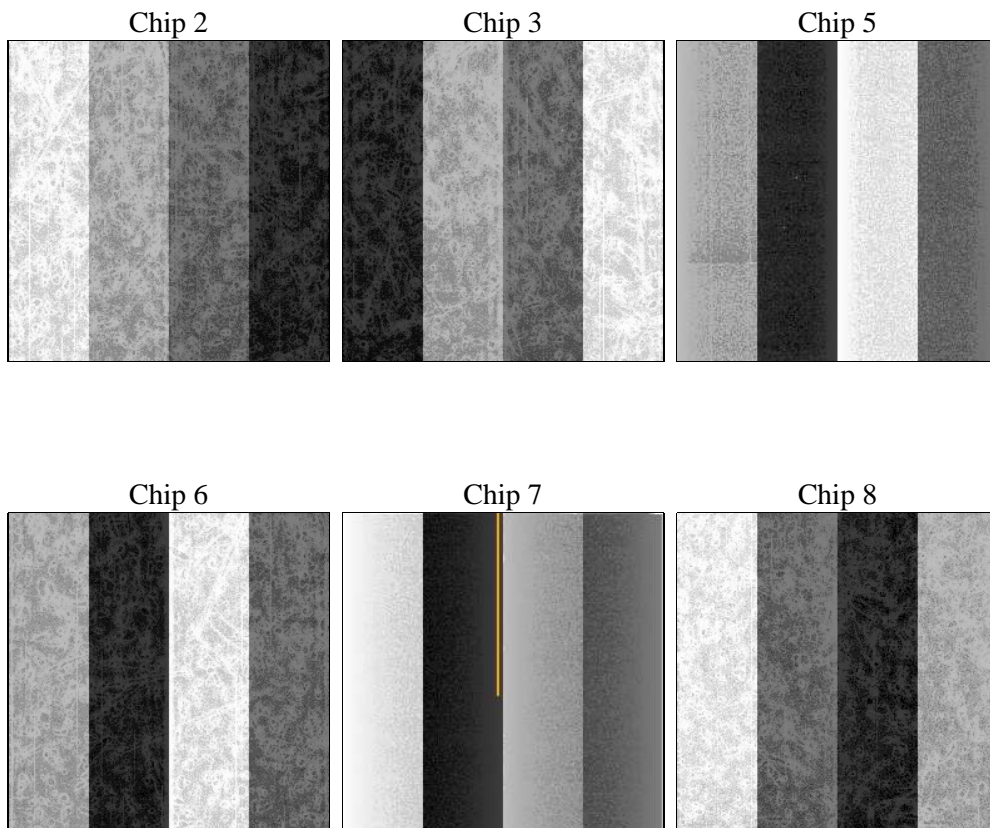
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3039.9999887347	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3039.9999887347	Sum of GTIs [s]
date	2012-04-28T00:12:40	Date and time of file creation	ontime3	3036.7590084076	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3039.9999887347	Sum of GTIs [s]
			ontime6	3039.9999887347	Sum of GTIs [s]
			ontime7	3039.9999887347	Sum of GTIs [s]
			ontime8	3039.9999887347	Sum of GTIs [s]
			l1events	153717	Number of level 1 events

2.1.4 Events

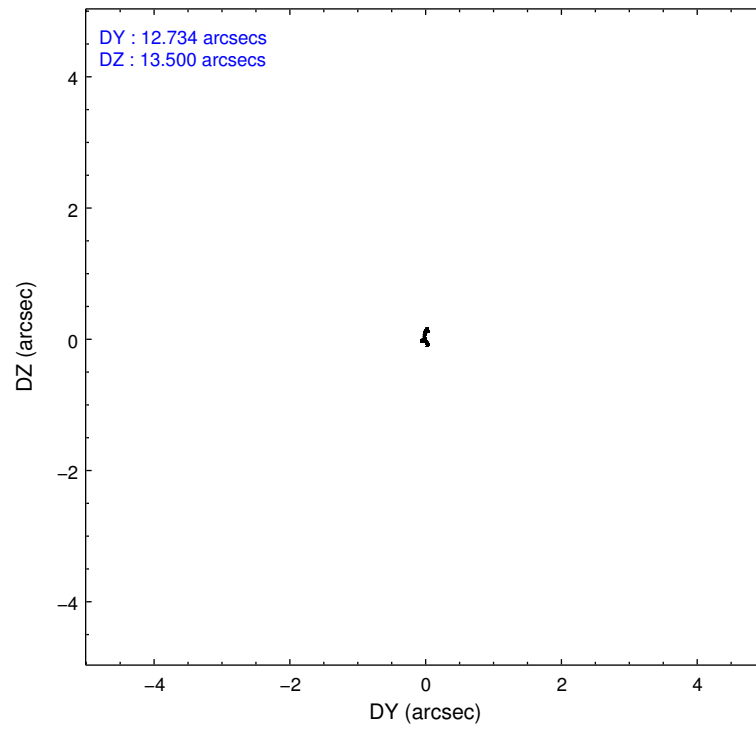
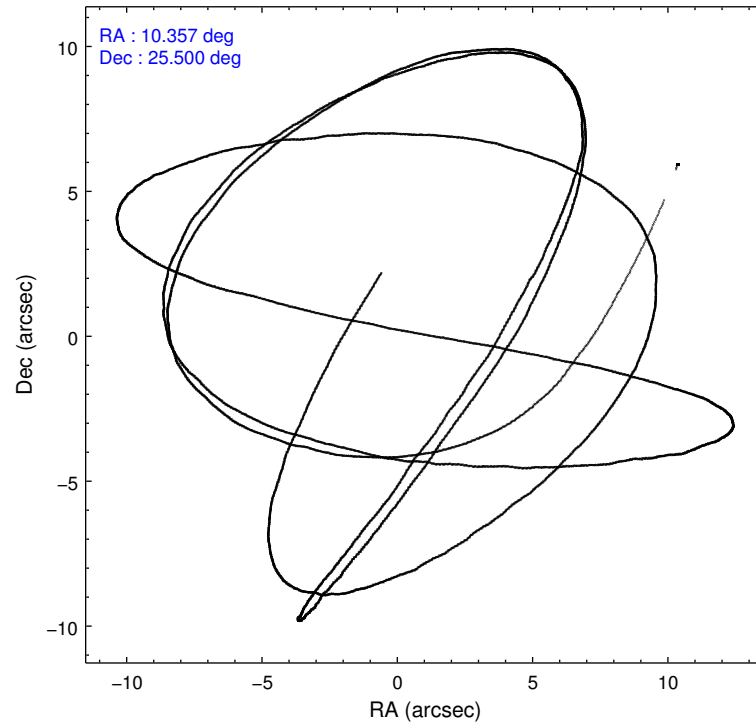
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	25299	23457	30282	23648	22135	28896
rejected events	23147	21326	13390	21305	11099	21861
rejected %	91%	90%	44%	90%	50%	75%

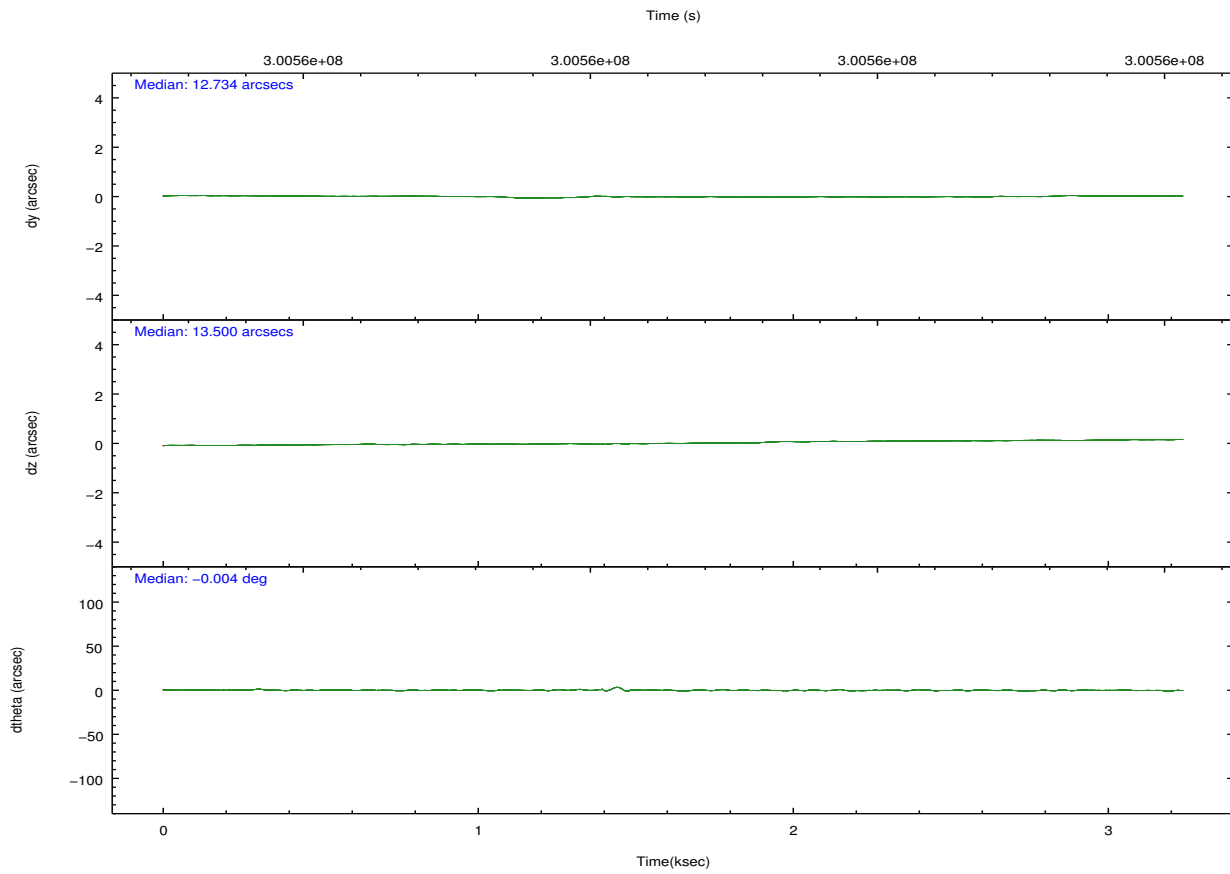
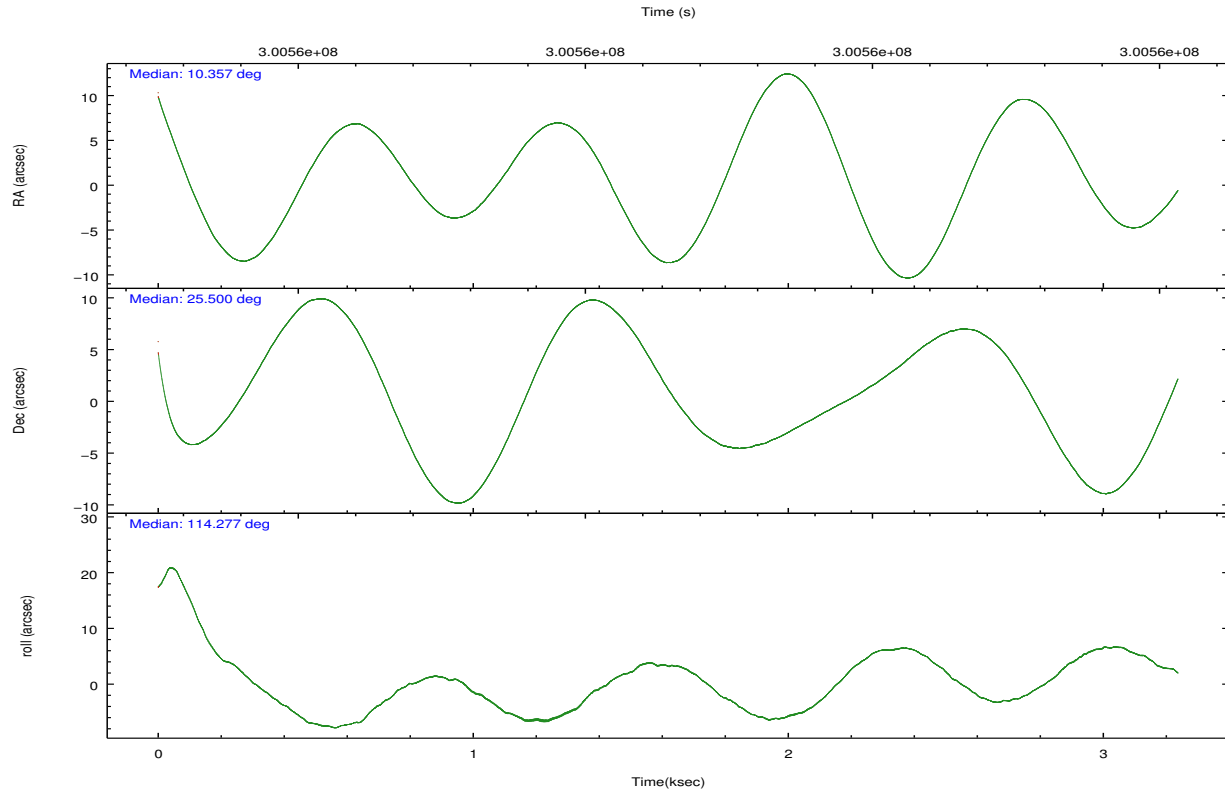
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	849	811	3335	863	1254	2012
	3%	3%	11%	3%	5%	6%
grade 1 events	17	16	176	15	45	24
	0%	0%	0%	0%	0%	0%
grade 2 events	474	455	4666	534	2349	1599
	1%	1%	15%	2%	10%	5%
grade 3 events	227	224	672	260	977	795
	0%	0%	2%	1%	4%	2%
grade 4 events	240	229	643	251	1057	794
	0%	0%	2%	1%	4%	2%
grade 5 events	621	754	2187	771	2307	1071
	2%	3%	7%	3%	10%	3%
grade 6 events	363	414	7621	438	5424	1845
	1%	1%	25%	1%	24%	6%
grade 7 events	22508	20554	10982	20516	8722	20756
	88%	87%	36%	86%	39%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	10.382052	10.35709206391789	CCD I2 on	O2	Y
[deg] Pointing Dec	25.484726	25.50027470632677	CCD I3 on	Y	Y
[deg] Pointing Roll	114.118861	114.2862557710854	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	300556910.184000	300555865.8314	CCD S5 on	N	N
Observation start date	2007-07-11T16:00:45	2007-07-11T15:44:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	300559910.184000	300561323.95666	On-chip summing requested	N	N
Observation end date	2007-07-11T16:50:45	2007-07-11T17:15:23	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



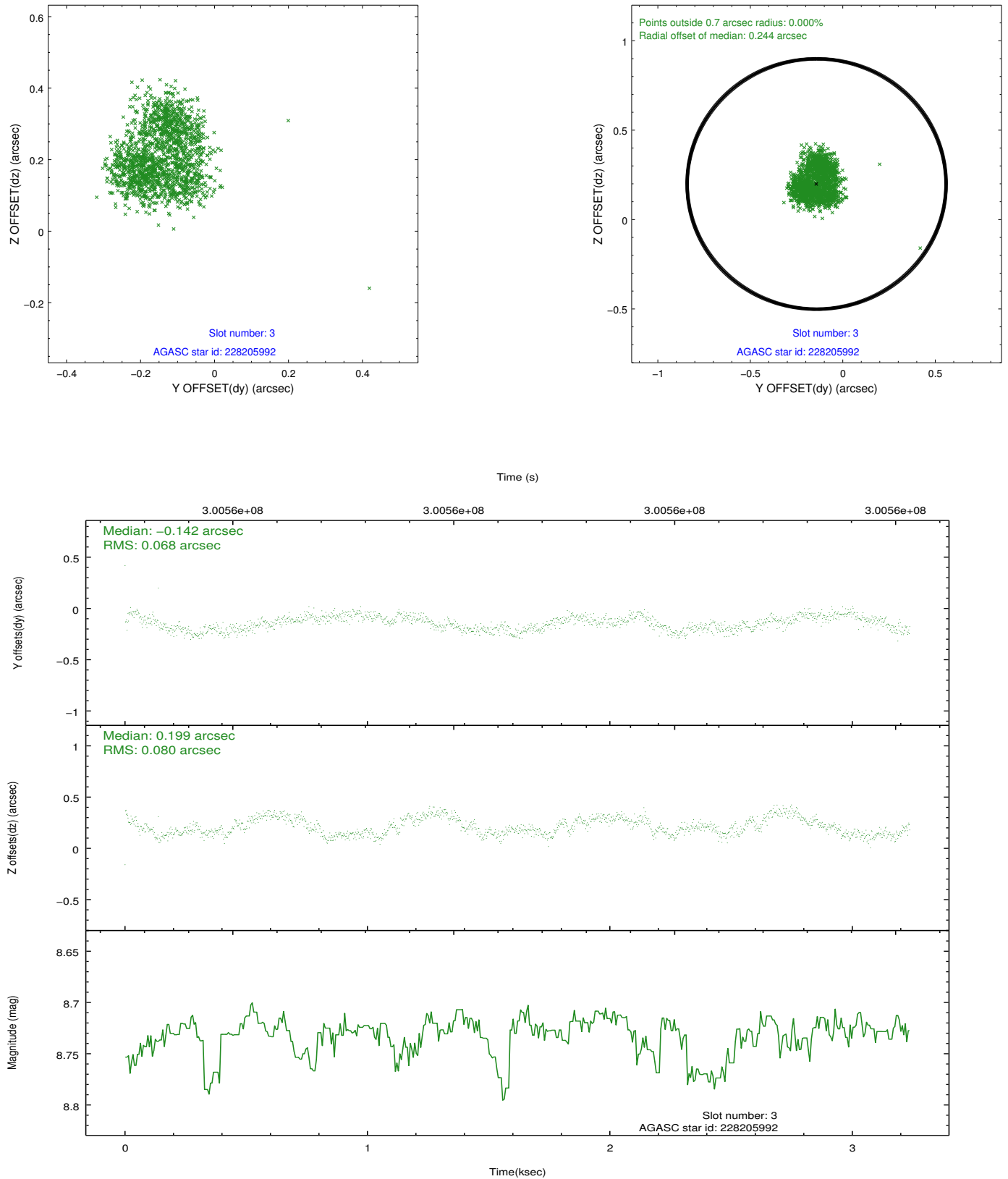


Slot Statistics

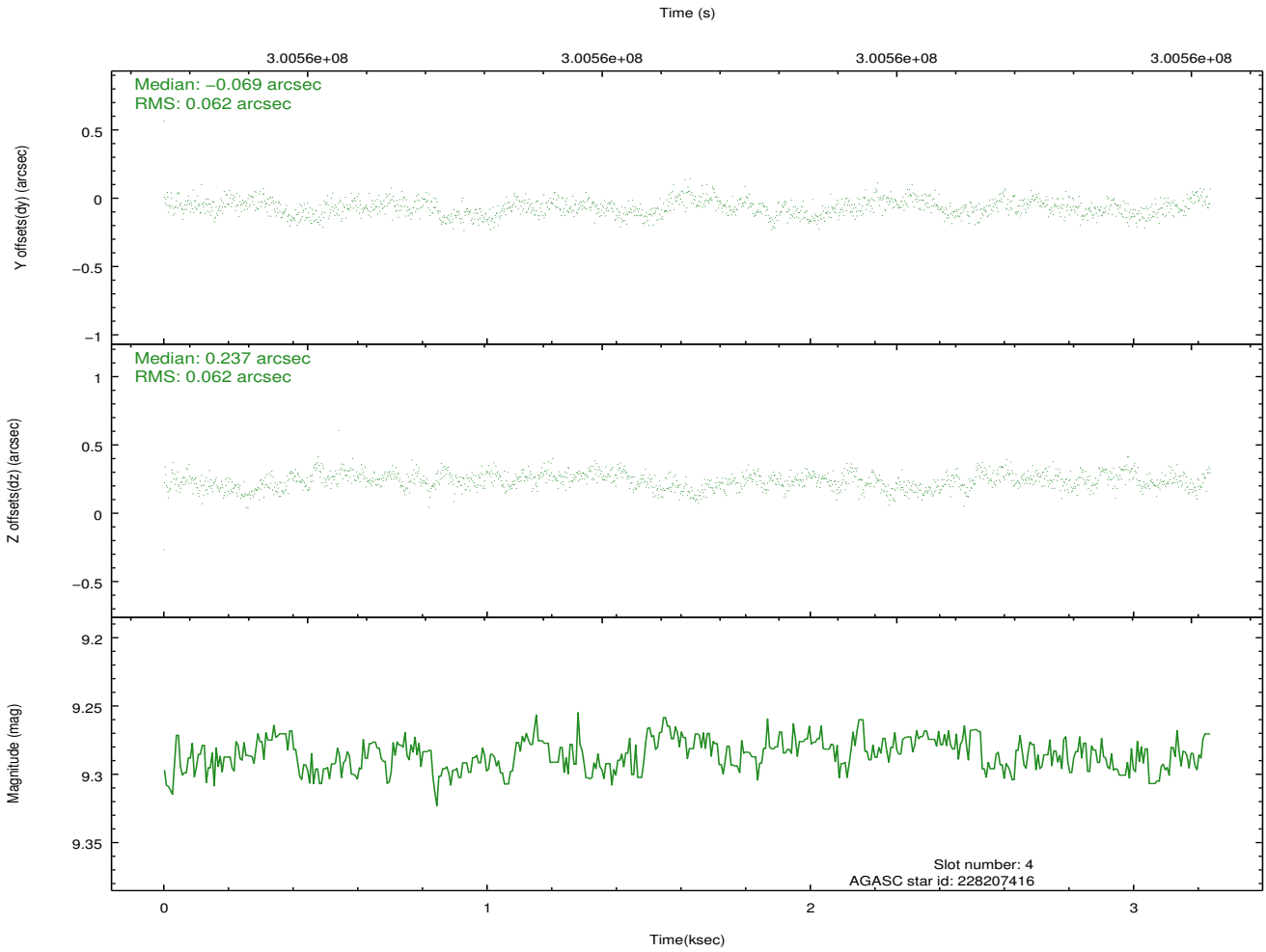
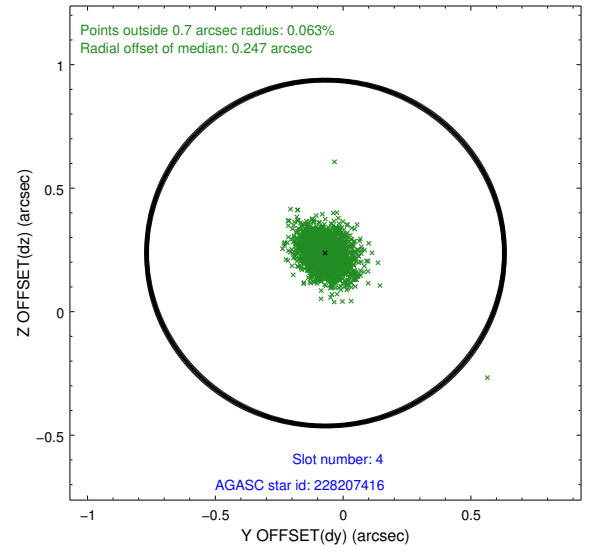
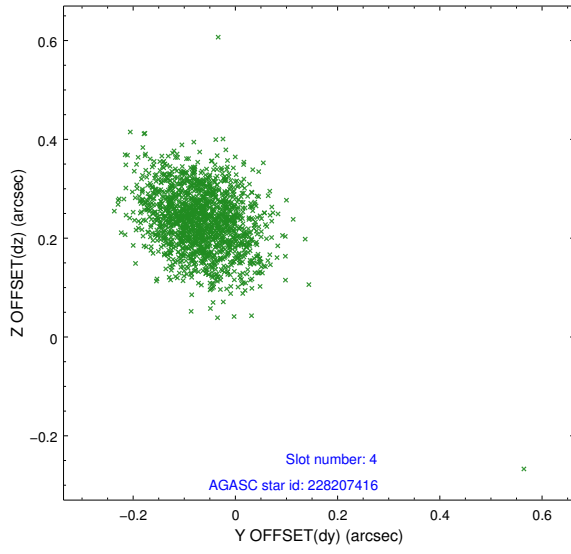
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	790	-0.026	-0.059	0.007	0.011	0.000000	0.000000	-765.67	-1734.92
1	FID	ACIS-S-4	7.19	790	0.150	0.029	0.005	0.010	0.000000	0.000000	2146.89	171.61
2	FID	ACIS-S-5	7.23	790	-0.155	0.039	0.007	0.012	0.000000	0.000000	-1816.12	167.53
3	GUIDE	228205992	8.73	1580	-0.142	0.199	0.114	0.162	10.356170	25.898017	1392.65	-531.33
4	GUIDE	228207416	9.29	1579	-0.069	0.237	0.091	0.148	10.577243	25.910309	1141.67	-1204.04
5	GUIDE	228208672	9.30	1554	0.059	-0.138	0.115	0.173	9.842594	25.730624	1526.73	1231.86
6	GUIDE	228210320	9.92	1574	0.192	-0.007	0.328	0.427	10.260020	25.260811	-571.70	692.06
7	GUIDE	228210592	8.76	1576	-0.060	-0.286	0.157	0.224	9.742780	25.338111	372.49	2111.97

2.4 Star Slots

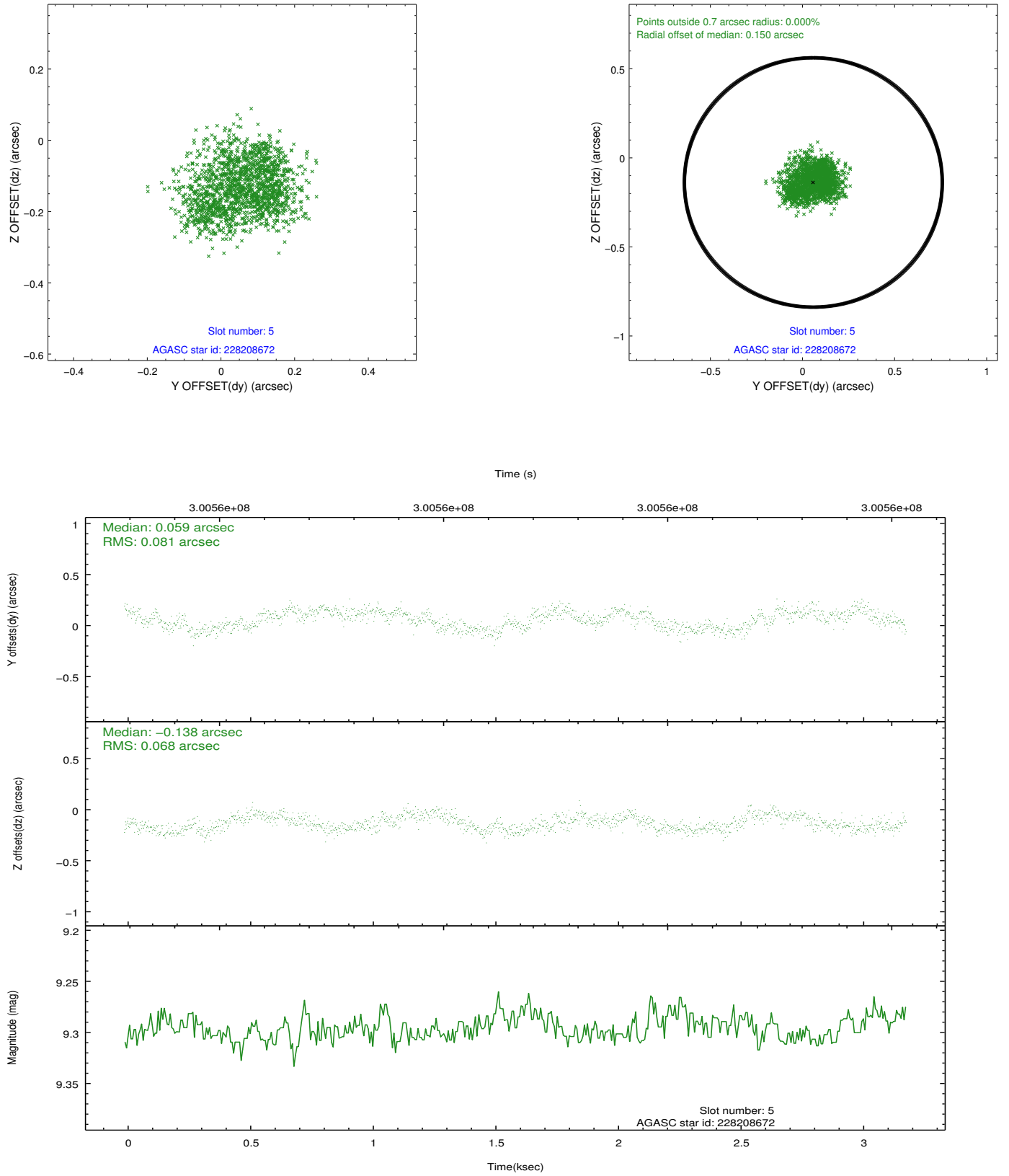
2.4.1 Slot 3



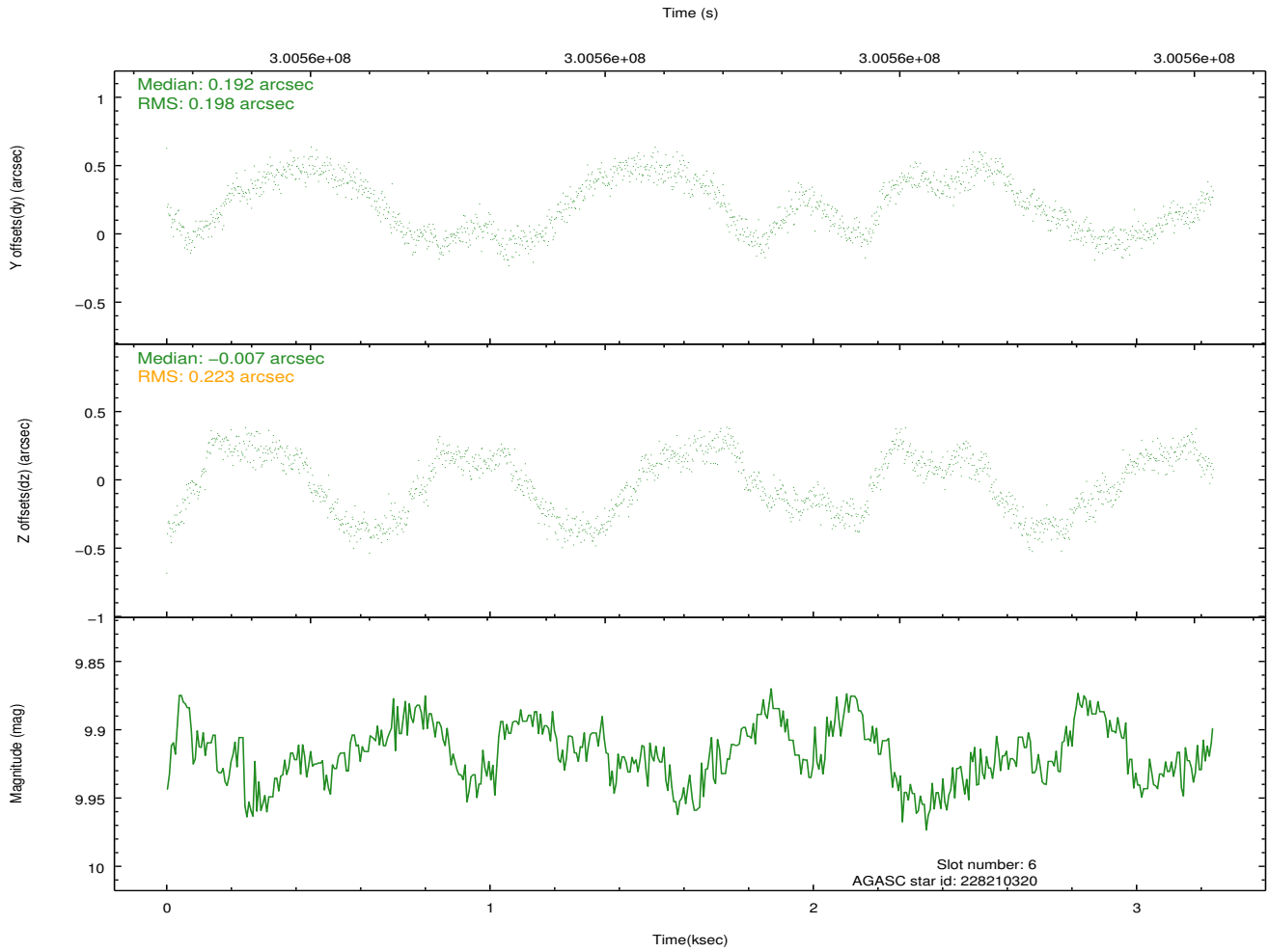
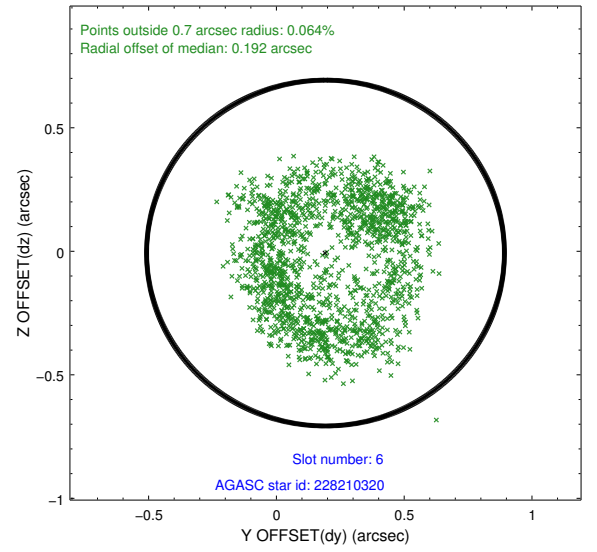
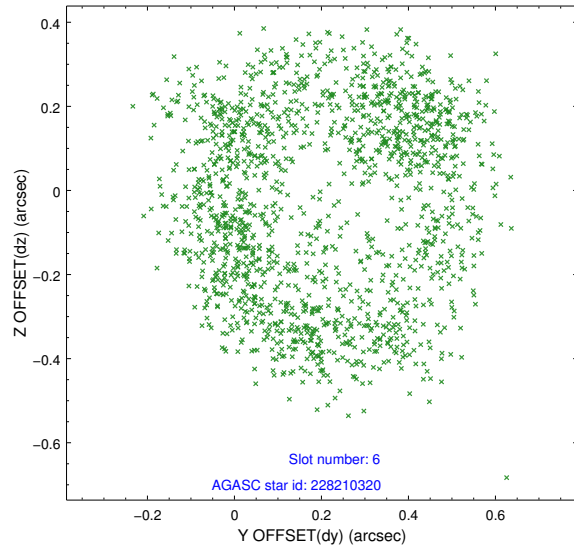
2.4.2 Slot 4



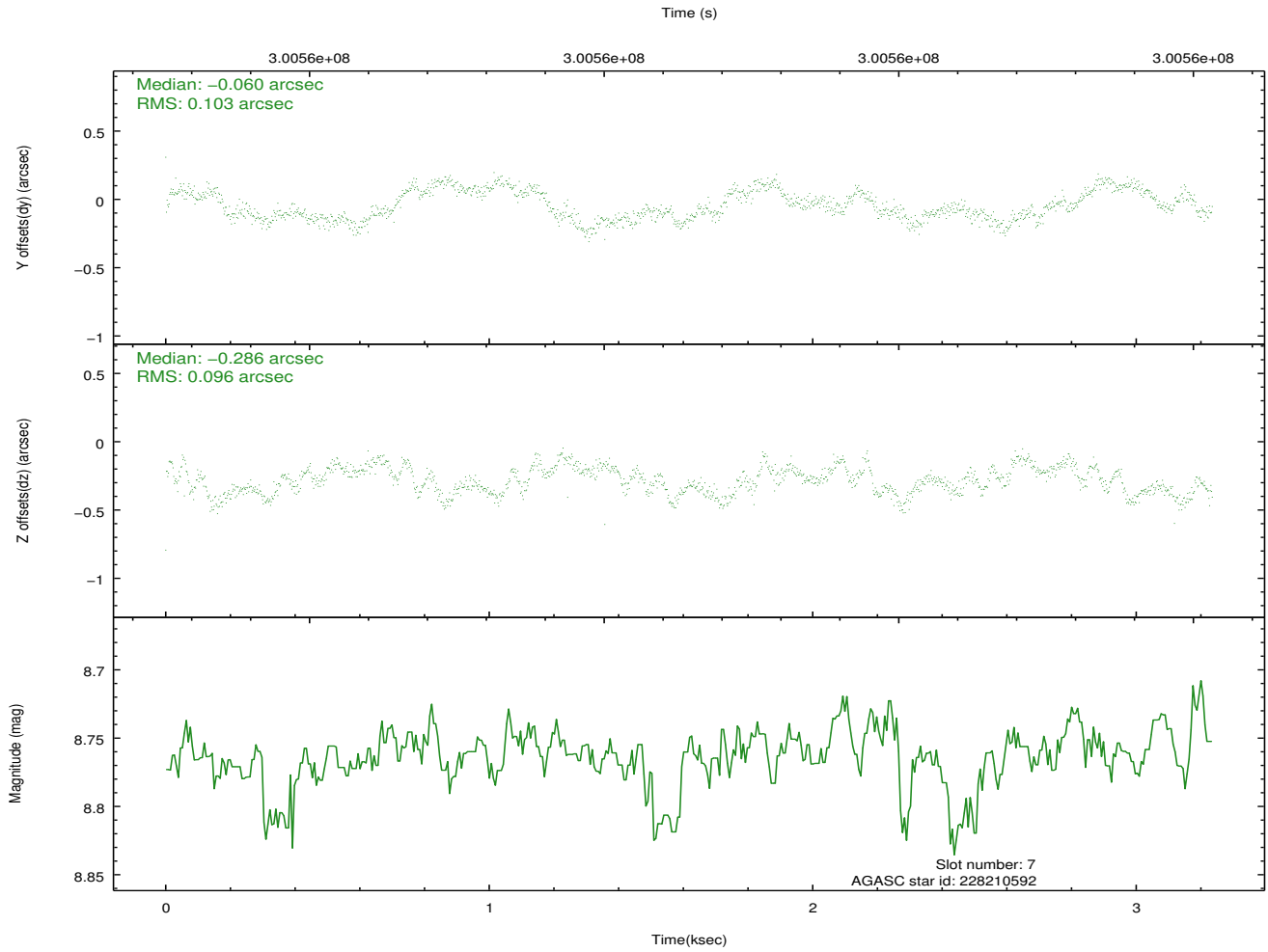
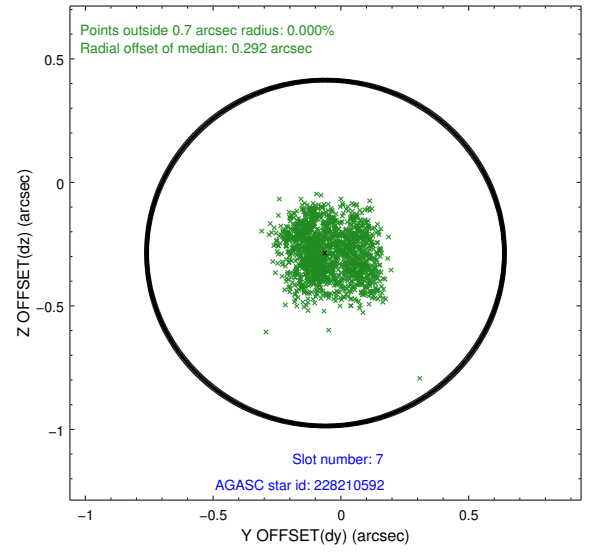
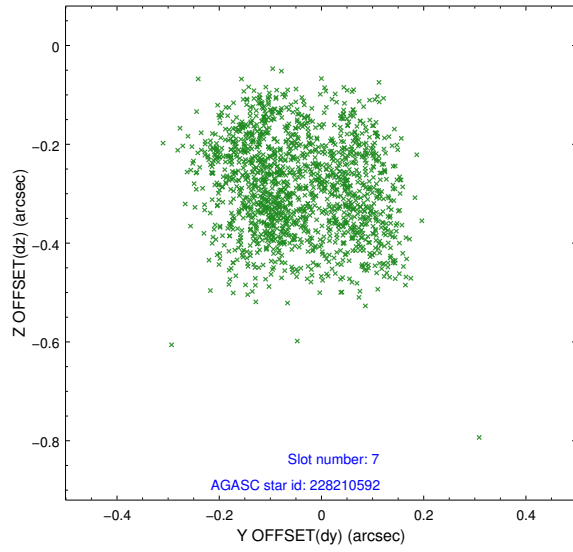
2.4.3 Slot 5



2.4.4 Slot 6

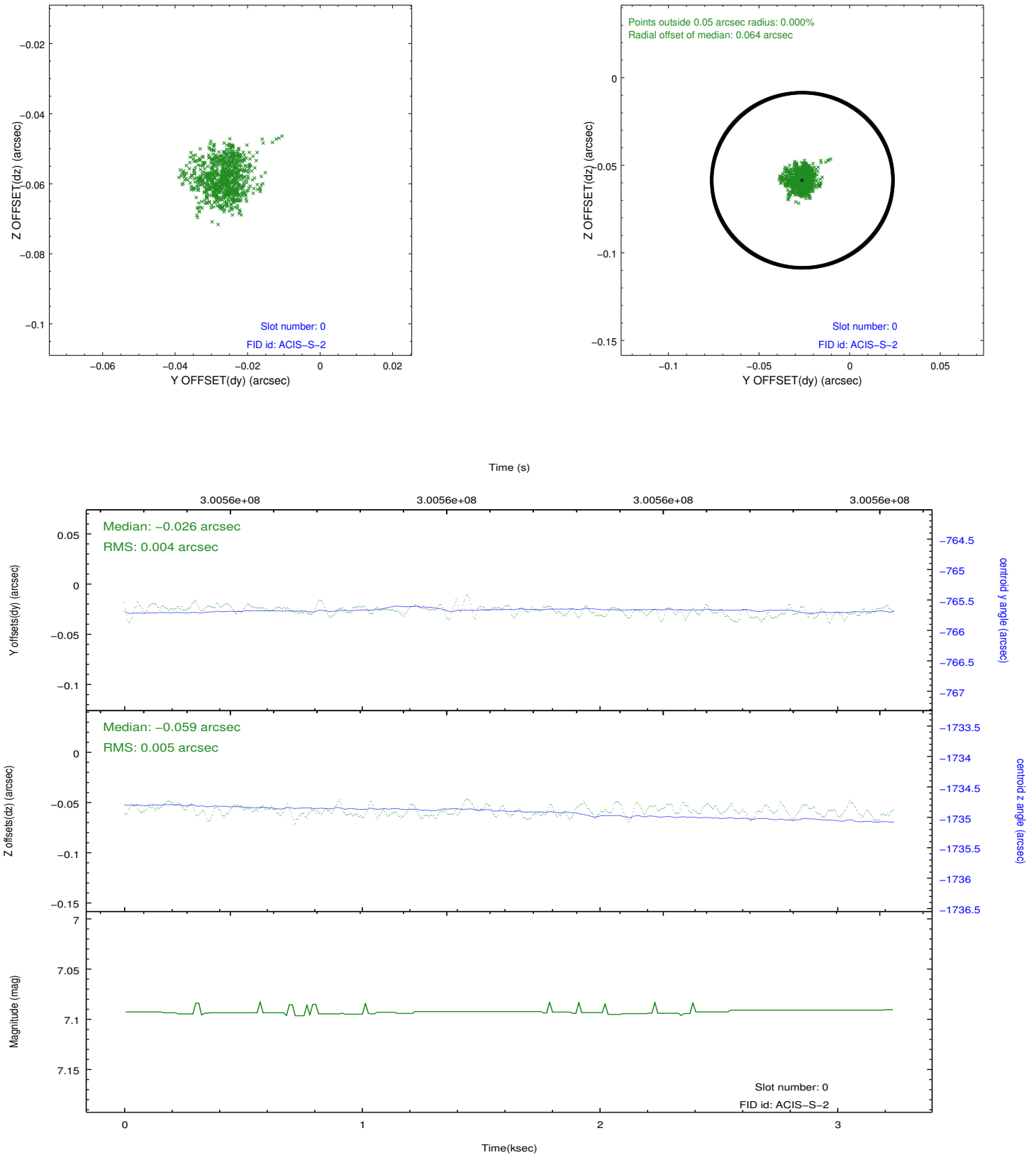


2.4.5 Slot 7

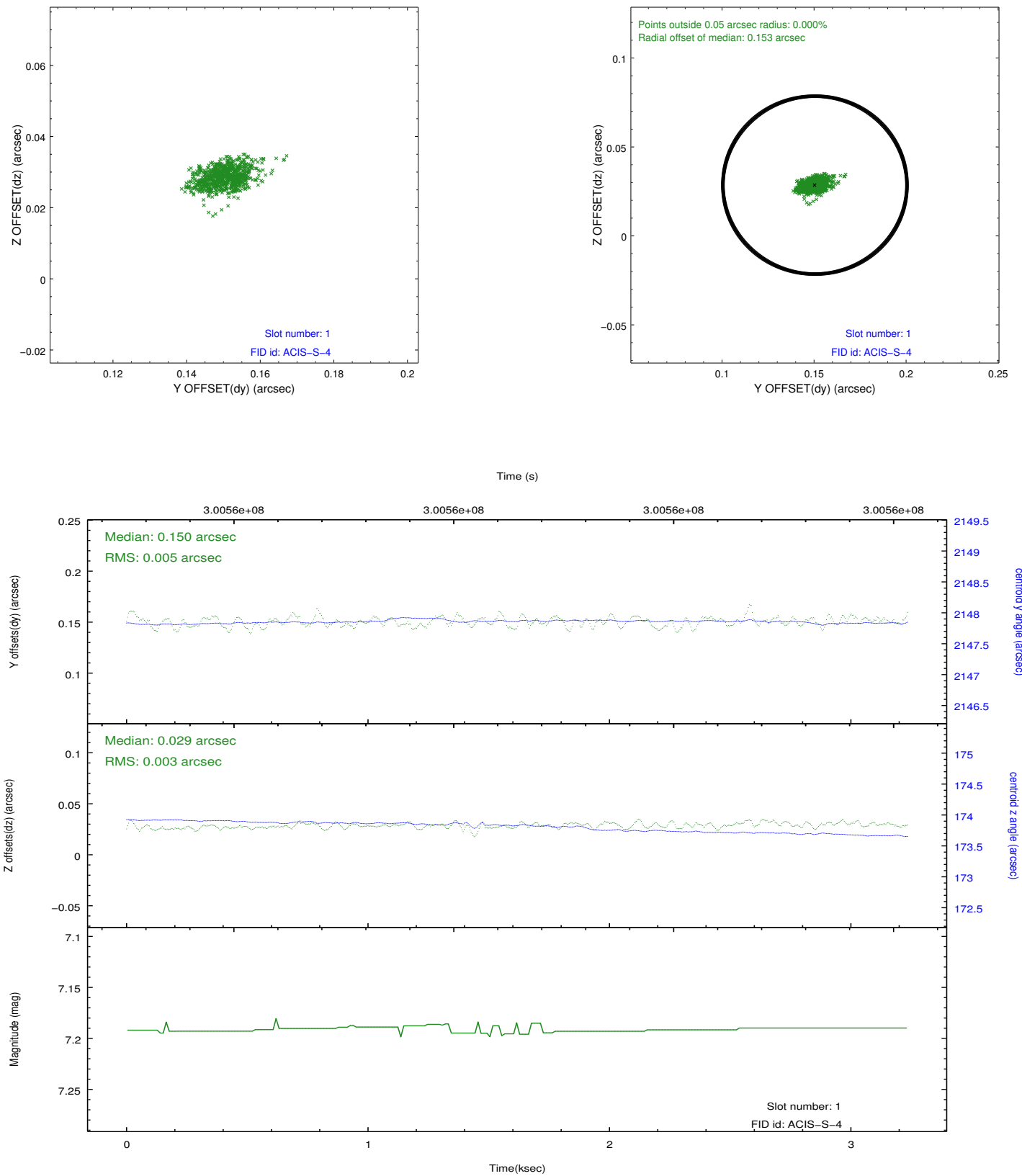


2.5 FID Slots

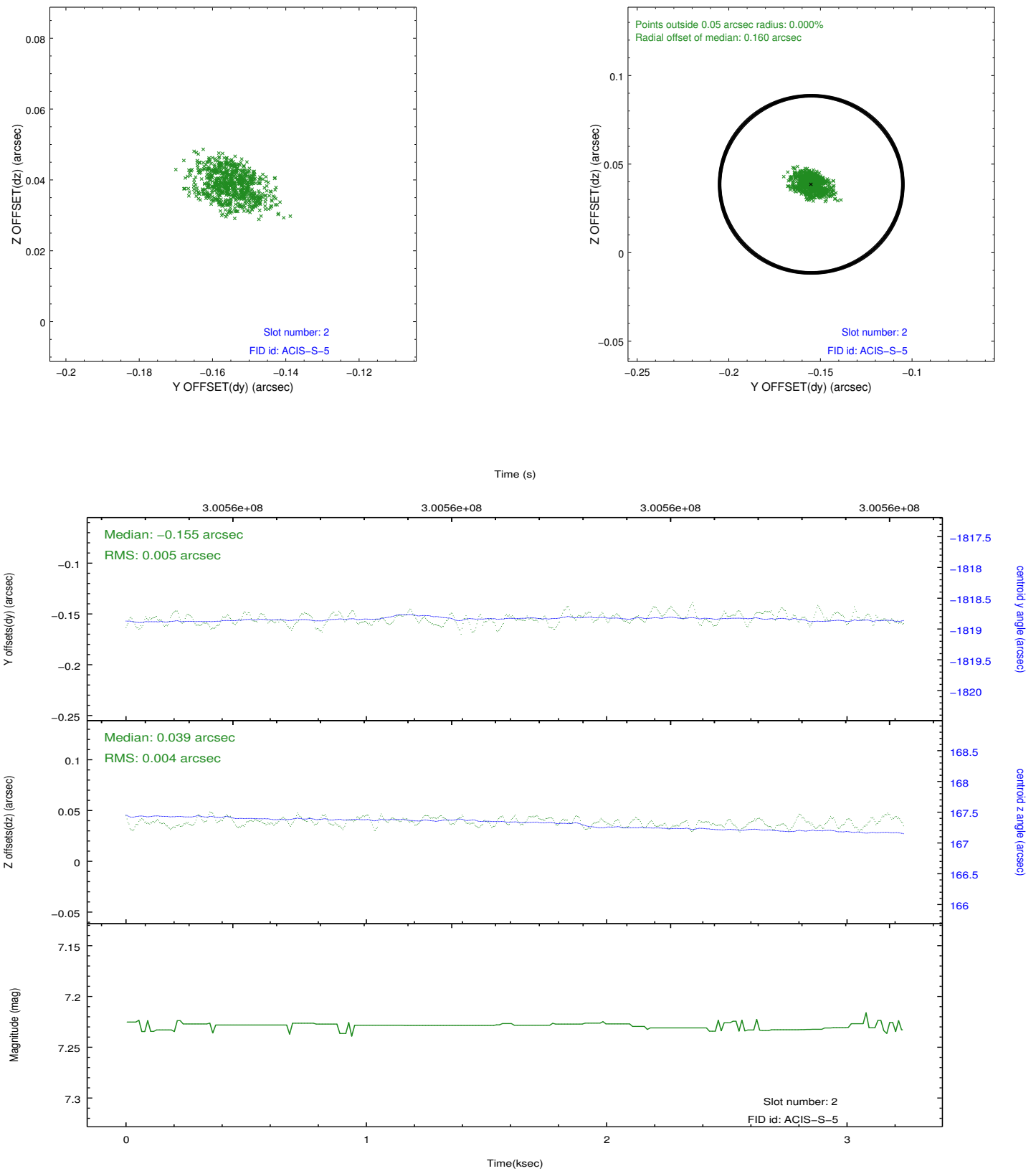
2.5.1 Slot 0



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)	2012.04.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.03999998

A.2 Comments