

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10144 - L2 Version 2
Chandra X-Ray Center

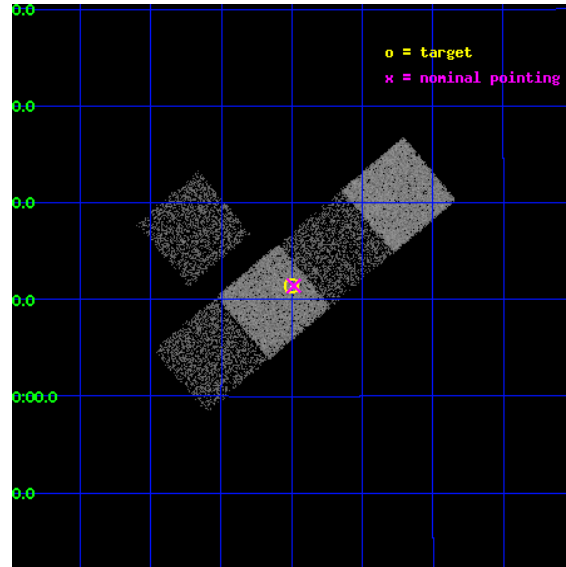
L2 Processing Date : Jun 10 2012

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1 Front

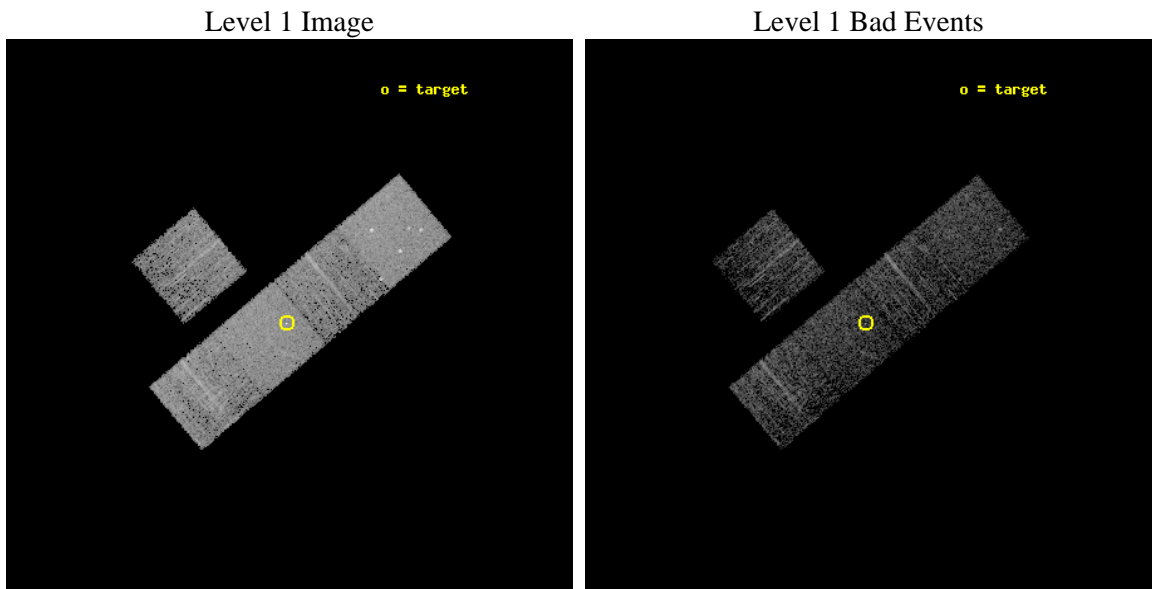
seq_num	501071	Sequence number
obs_id	10144	Observation id
title	Identifying the Nearest and Brightest Neutron Stars	Proposal title
observer	Prof. Derek Fox	Principal investigator
object	1RXSJ212700.3+101108	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	321.75125	Observer's specified target RA [deg]
dec_targ	10.189528	Observer's specified target Dec [deg]
ra_nom	321.74629547132	Nominal RA [deg]
dec_nom	10.190197815926	Nominal Dec [deg]
roll_nom	139.85897650928	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2029.7851522565	Sum of GTIs [s]
livetime	2003.2645149362	Livetime [s]
ontime3	2029.6620322466	Sum of GTIs [s]
ontime5	2029.7441122532	Sum of GTIs [s]
ontime6	2029.7030722499	Sum of GTIs [s]
ontime7	2029.7851522565	Sum of GTIs [s]
ontime8	2029.6209922433	Sum of GTIs [s]
l2events	34169	Number of level 2 events



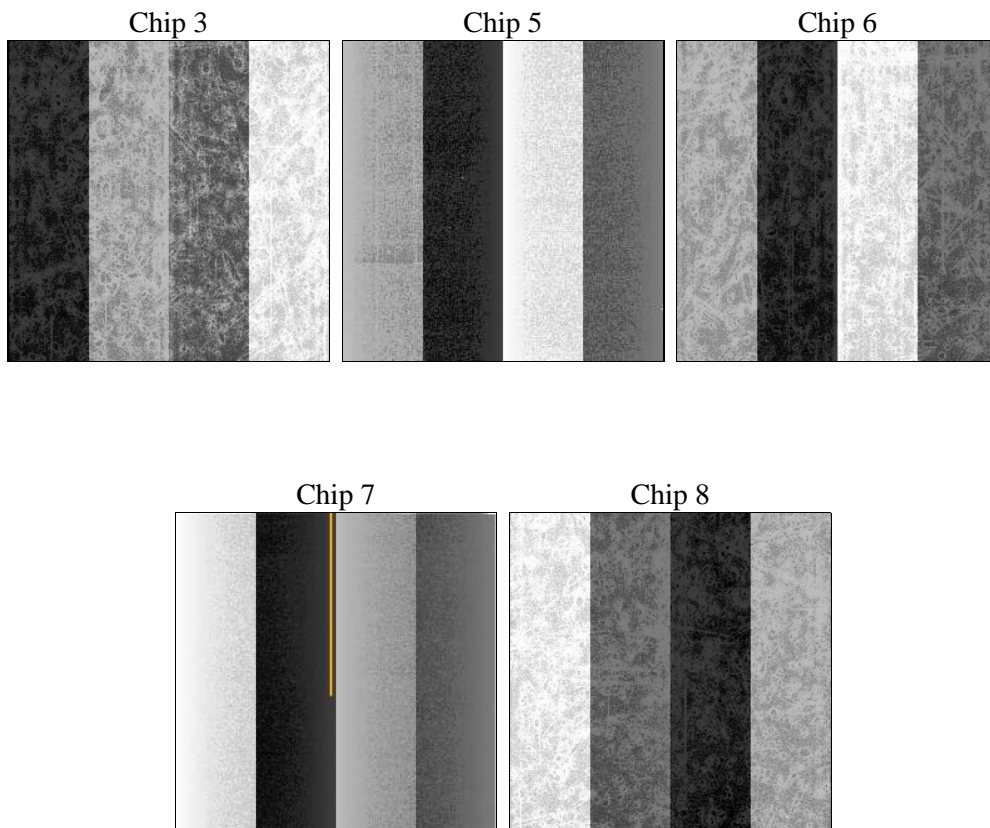
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2029.7851522565	Sum of GTIs [s]
caldsver	4.4.10	 	ontime3	2029.6620322466	Sum of GTIs [s]
date	2012-06-10T11:33:41	Date and time of file creation	ontime5	2029.7441122532	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	2029.7030722499	Sum of GTIs [s]
			ontime7	2029.7851522565	Sum of GTIs [s]
			ontime8	2029.6209922433	Sum of GTIs [s]
			l1events	133849	Number of level 1 events

2.1.4 Events

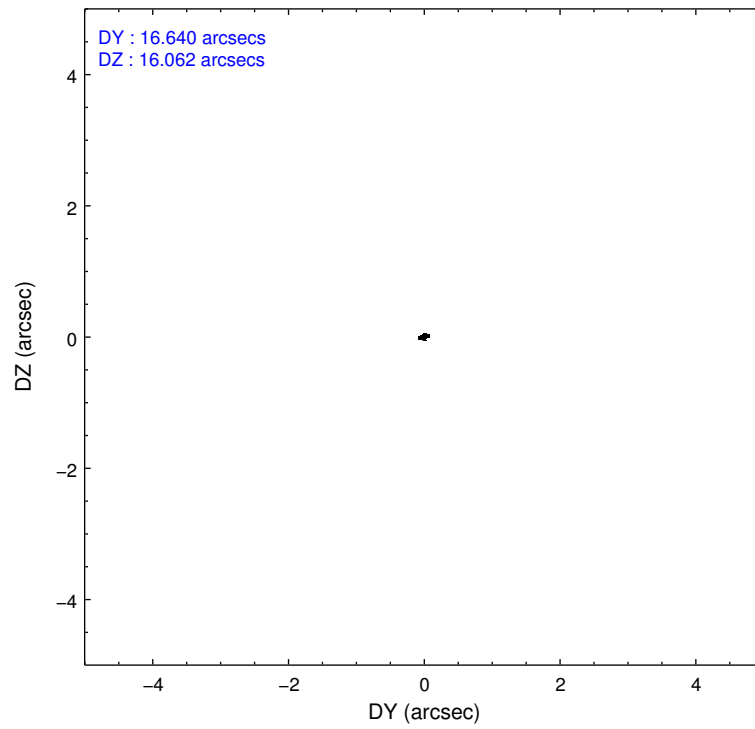
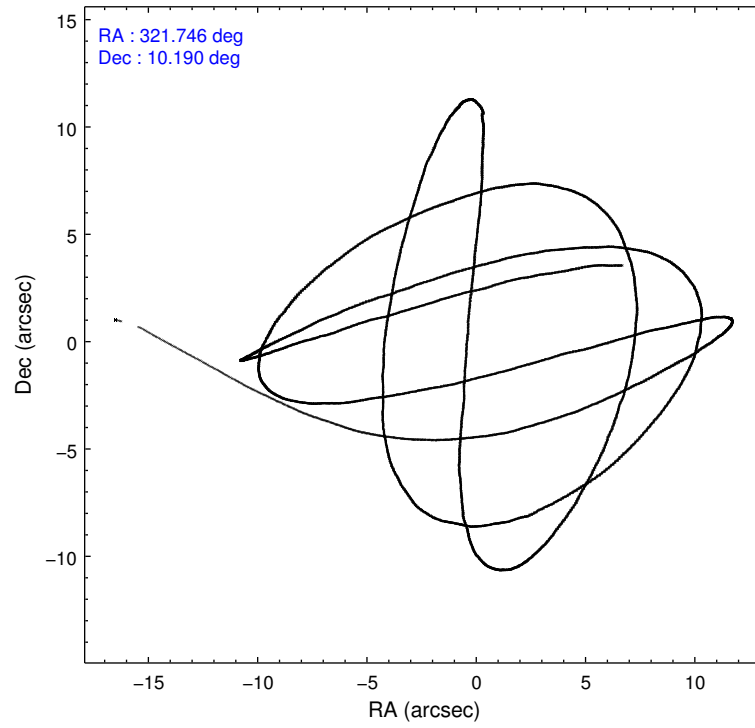
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	20433	34549	21048	30430	27389
rejected events	17836	18356	18396	17593	21137
rejected %	87%	53%	87%	57%	77%

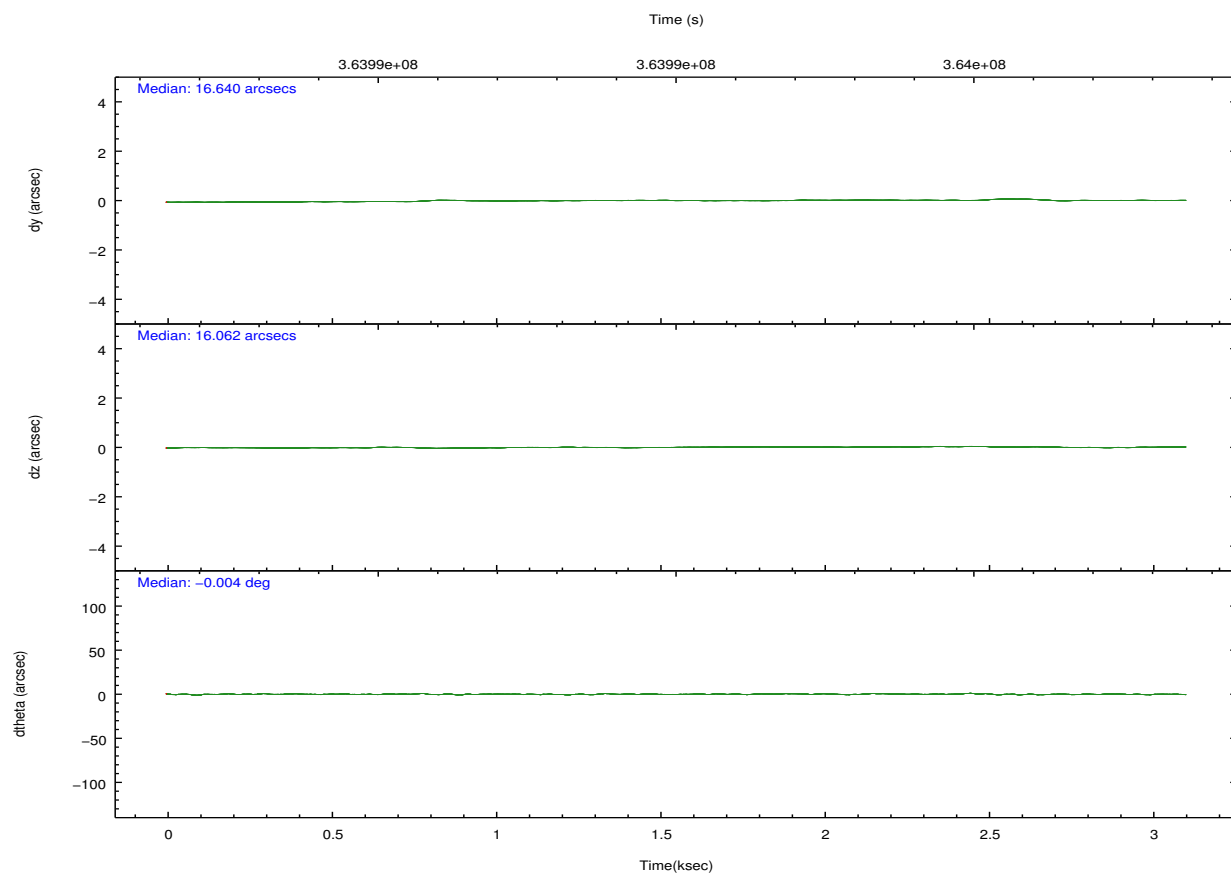
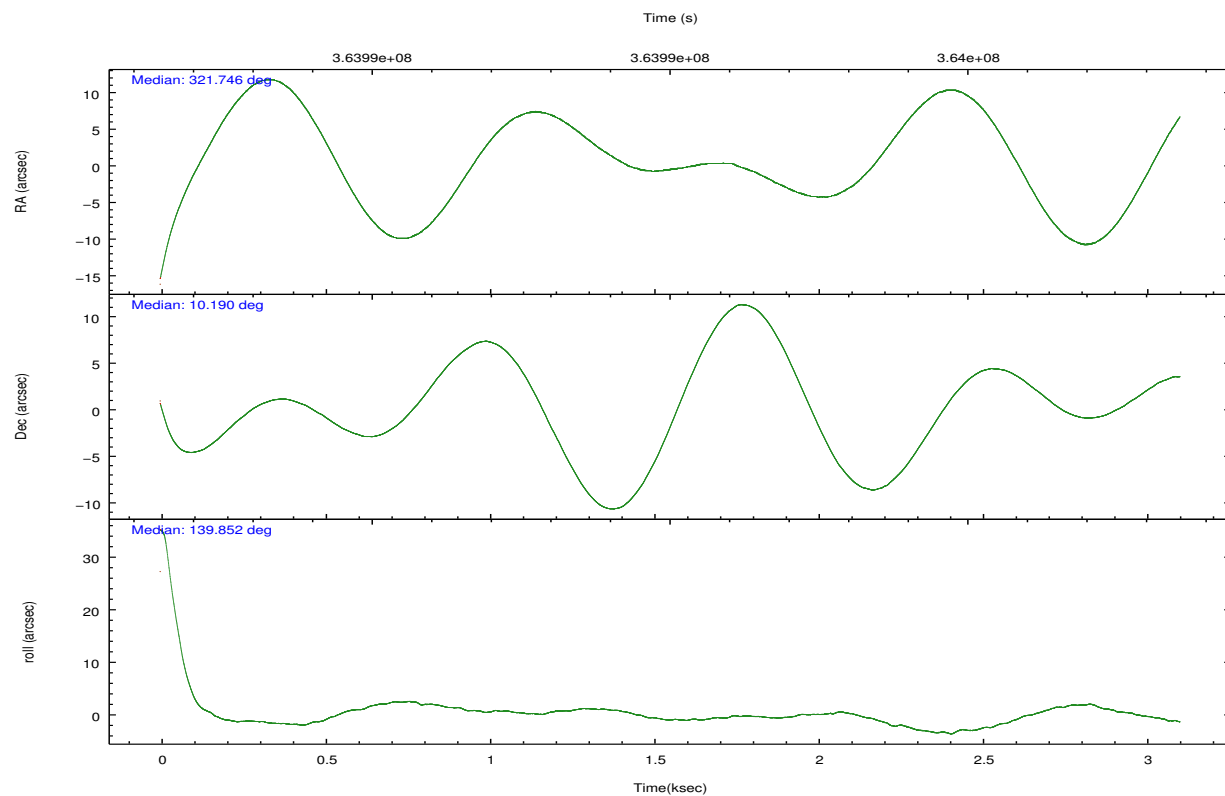
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1157	2149	1030	1162	2018
	5%	6%	4%	3%	7%
grade 1 events	15	75	7	38	19
	0%	0%	0%	0%	0%
grade 2 events	526	4893	586	2671	1415
	2%	14%	2%	8%	5%
grade 3 events	245	526	255	1065	656
	1%	1%	1%	3%	2%
grade 4 events	243	500	217	1077	607
	1%	1%	1%	3%	2%
grade 5 events	975	2433	1098	2831	1417
	4%	7%	5%	9%	5%
grade 6 events	437	8170	574	6922	1571
	2%	23%	2%	22%	5%
grade 7 events	16835	15803	17281	14664	19686
	82%	45%	82%	48%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	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	321.773789	321.7462954713173	CCD I2 on	N	N
[deg] Pointing Dec	10.185792	10.19019781592616	CCD I3 on	Y	Y
[deg] Pointing Roll	139.697344	139.858976509277	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)	363993545.184000	363991131.23508	CCD S5 on	N	N
Observation start date	2009-07-14T21:17:59	2009-07-14T20:38:51	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	363995545.184000	363997085.97288	On-chip summing requested	N	N
Observation end date	2009-07-14T21:51:19	2009-07-14T22:18:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



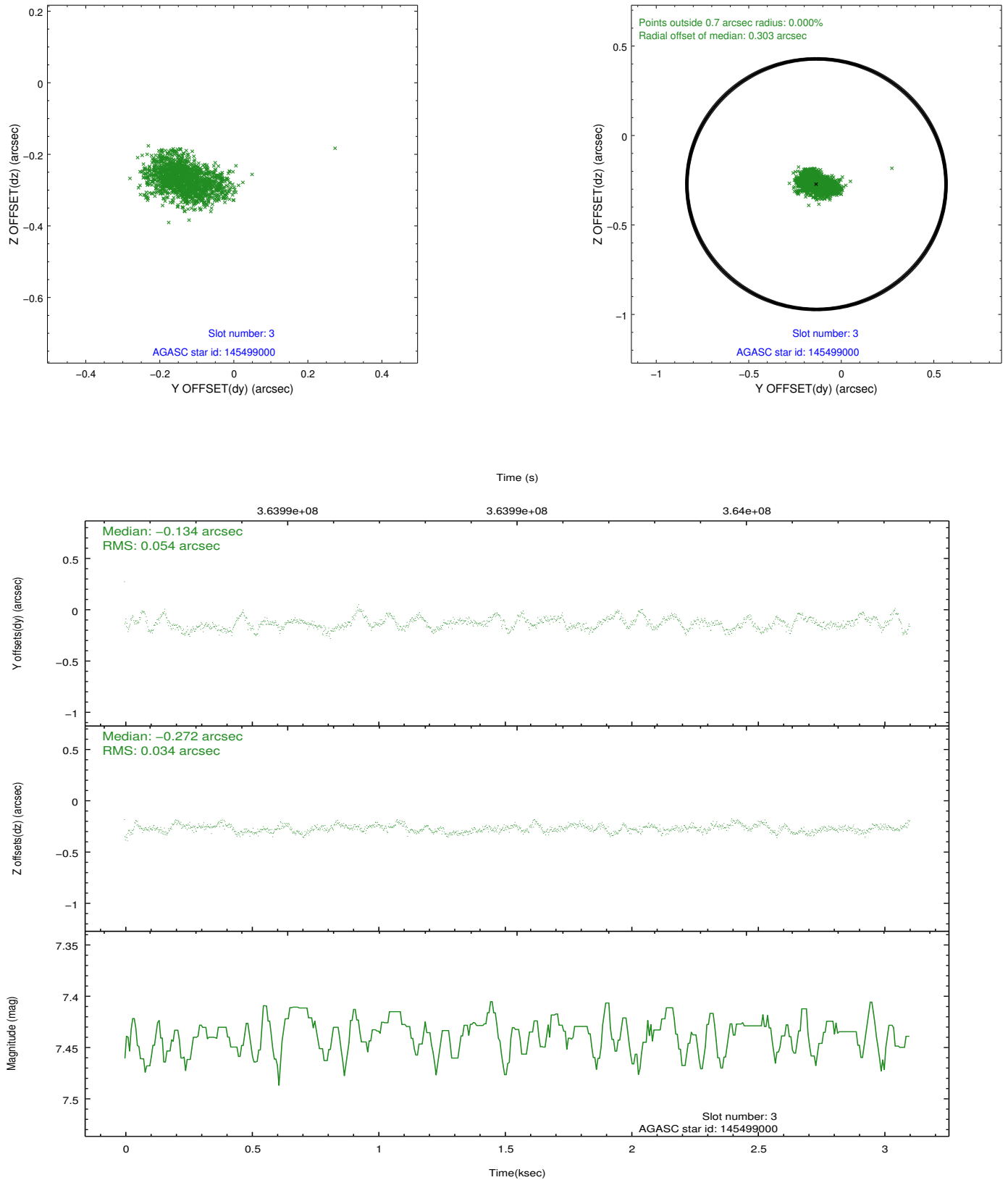


Slot Statistics

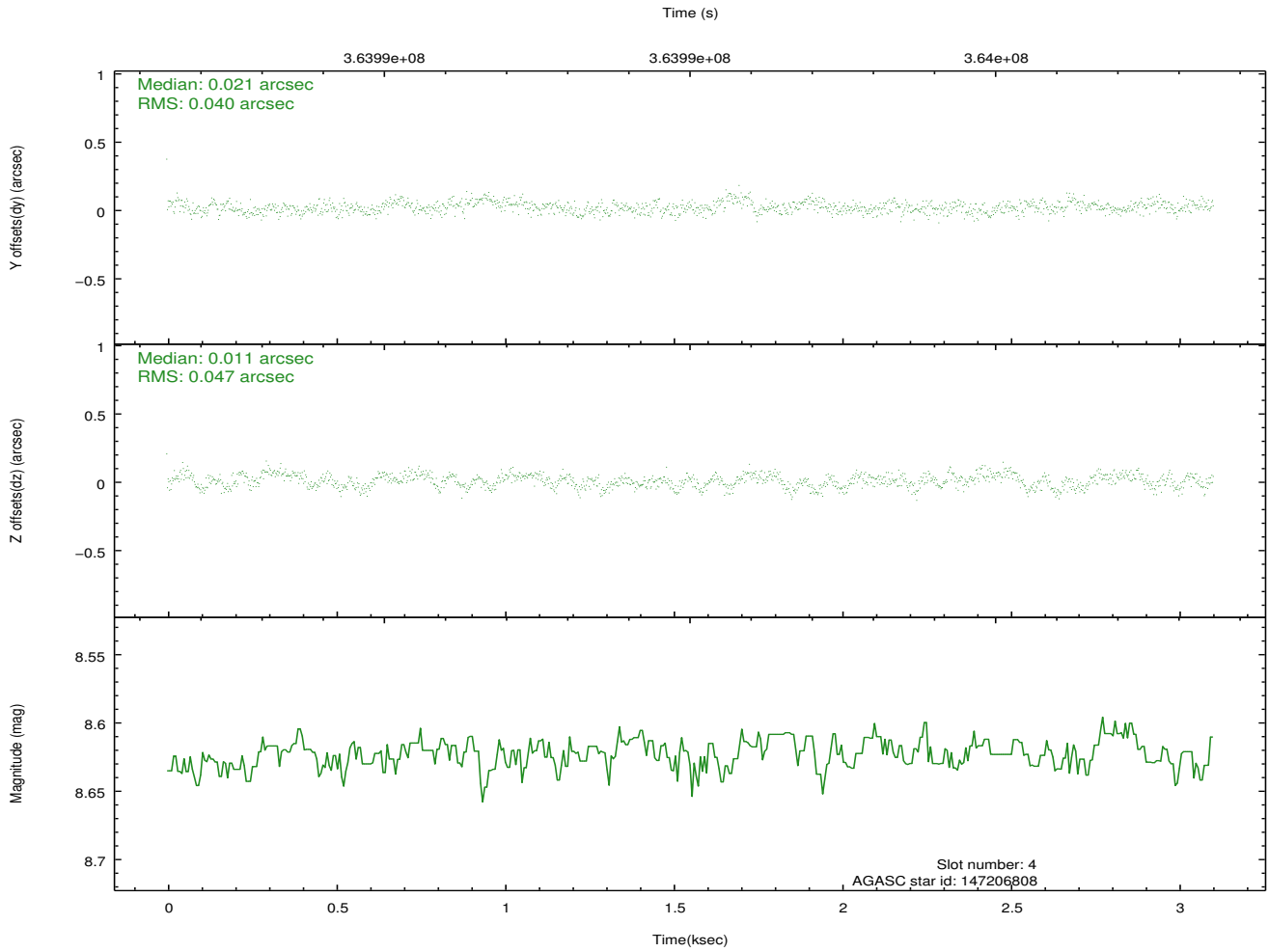
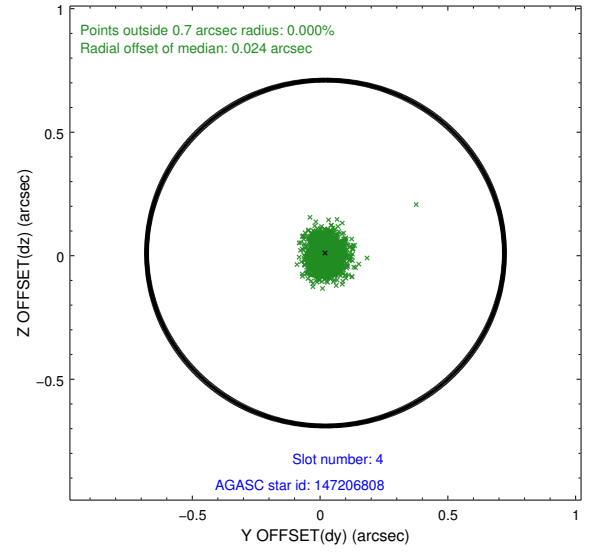
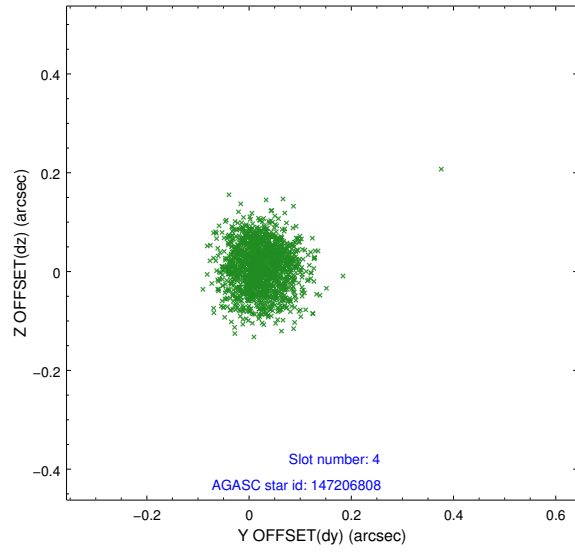
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	758	-0.088	-0.021	0.006	0.010	0.000000	0.000000	-769.72	-1737.49
1	FID	ACIS-S-4	6.98	758	0.190	0.048	0.005	0.010	0.000000	0.000000	2142.88	168.94
2	FID	ACIS-S-5	7.01	758	-0.133	-0.019	0.007	0.011	0.000000	0.000000	-1819.99	164.86
3	GUIDE	145499000	7.44	1515	-0.134	-0.272	0.068	0.110	321.575372	10.144915	441.13	566.45
4	GUIDE	147206808	8.62	1515	0.021	0.011	0.064	0.103	322.198534	9.993394	-1595.28	-446.40
5	GUIDE	147208576	8.39	1515	-0.074	0.150	0.065	0.109	321.762540	10.972751	1862.18	-2134.88
6	GUIDE	147209072	7.21	1515	0.055	0.005	0.069	0.115	321.728086	10.667844	1246.98	-1220.48
7	GUIDE	147211288	8.59	1511	0.129	0.109	0.087	0.132	322.084527	9.950537	-1386.57	-67.50

2.4 Star Slots

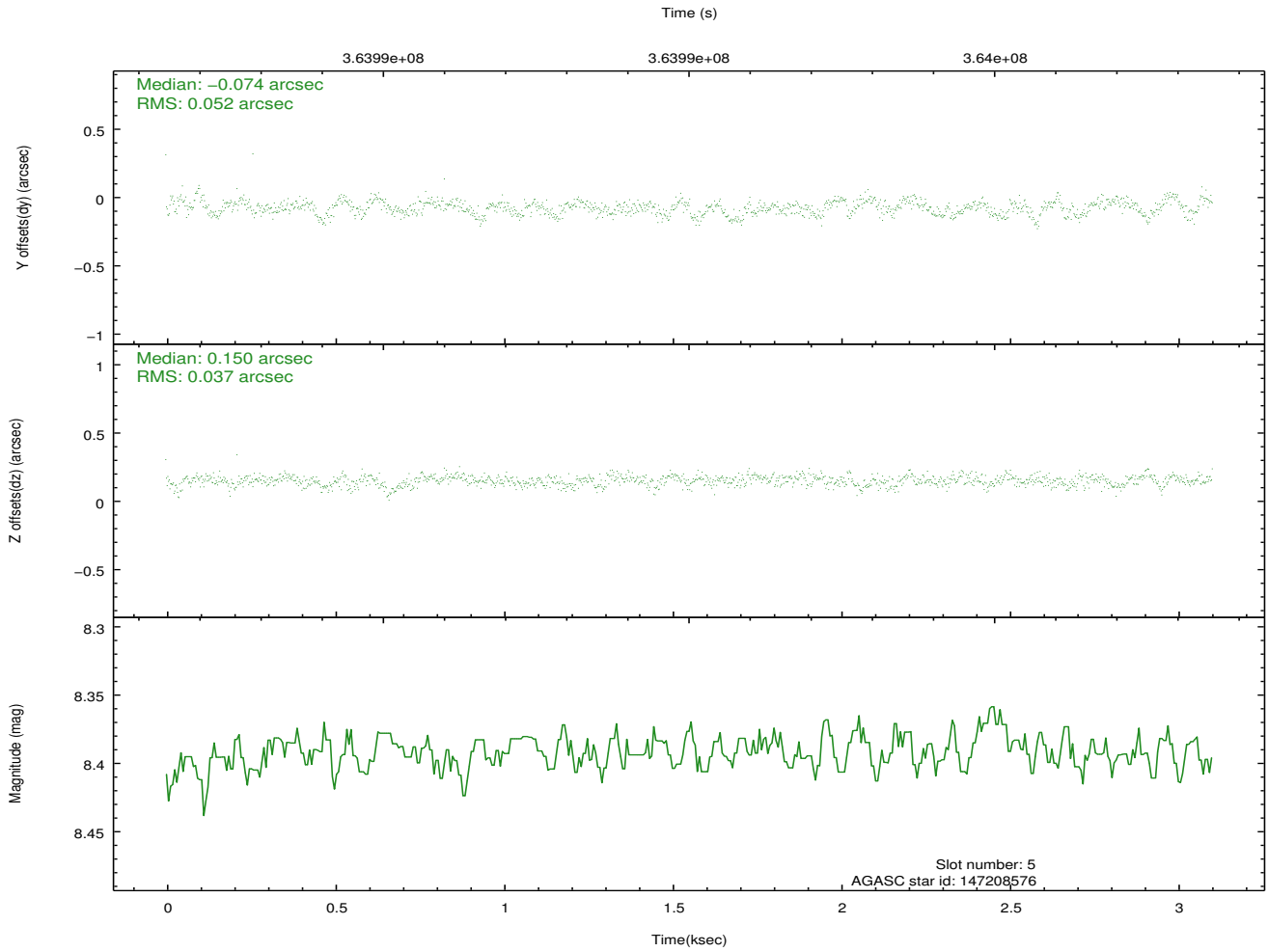
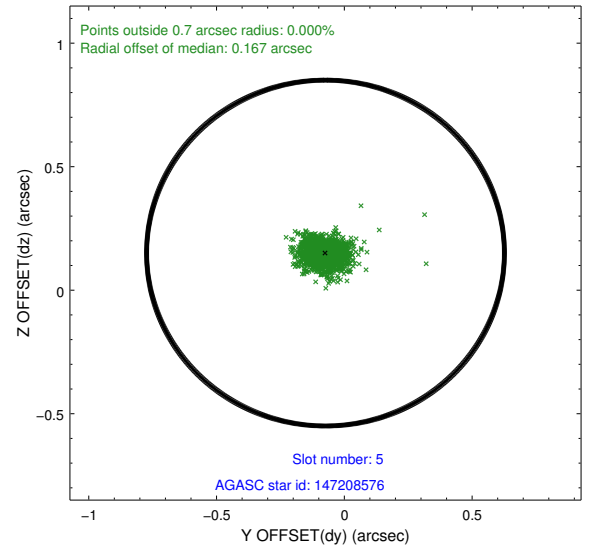
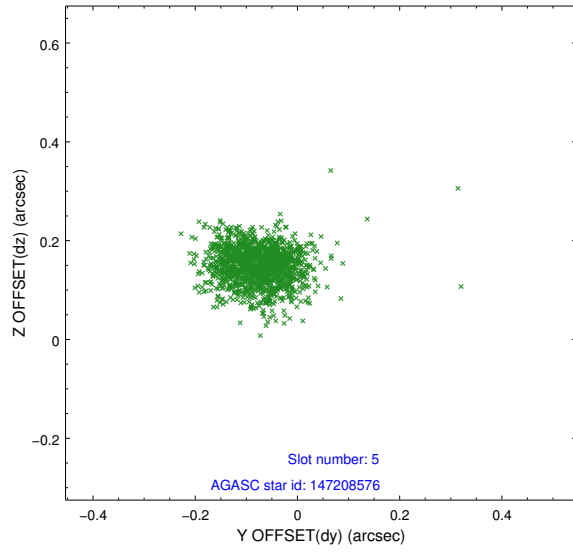
2.4.1 Slot 3



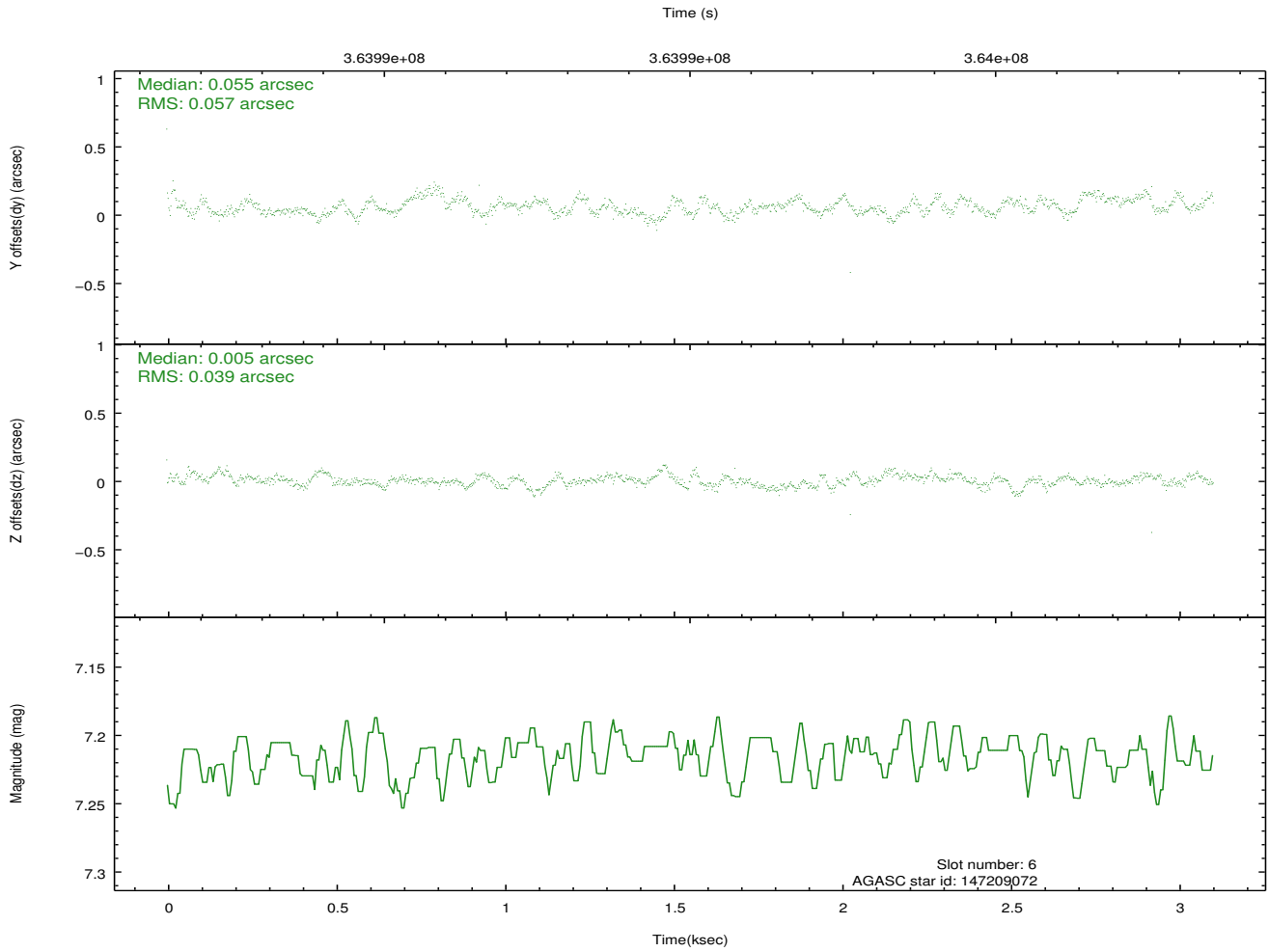
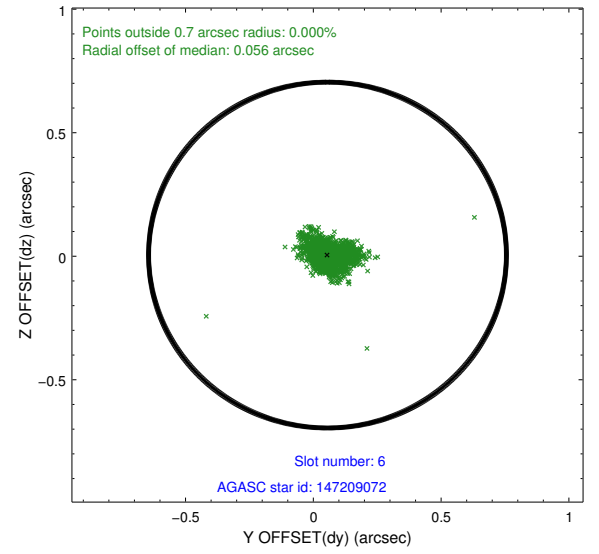
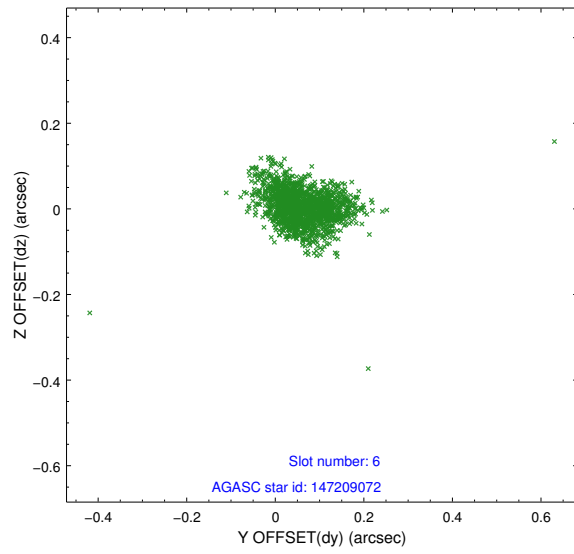
2.4.2 Slot 4



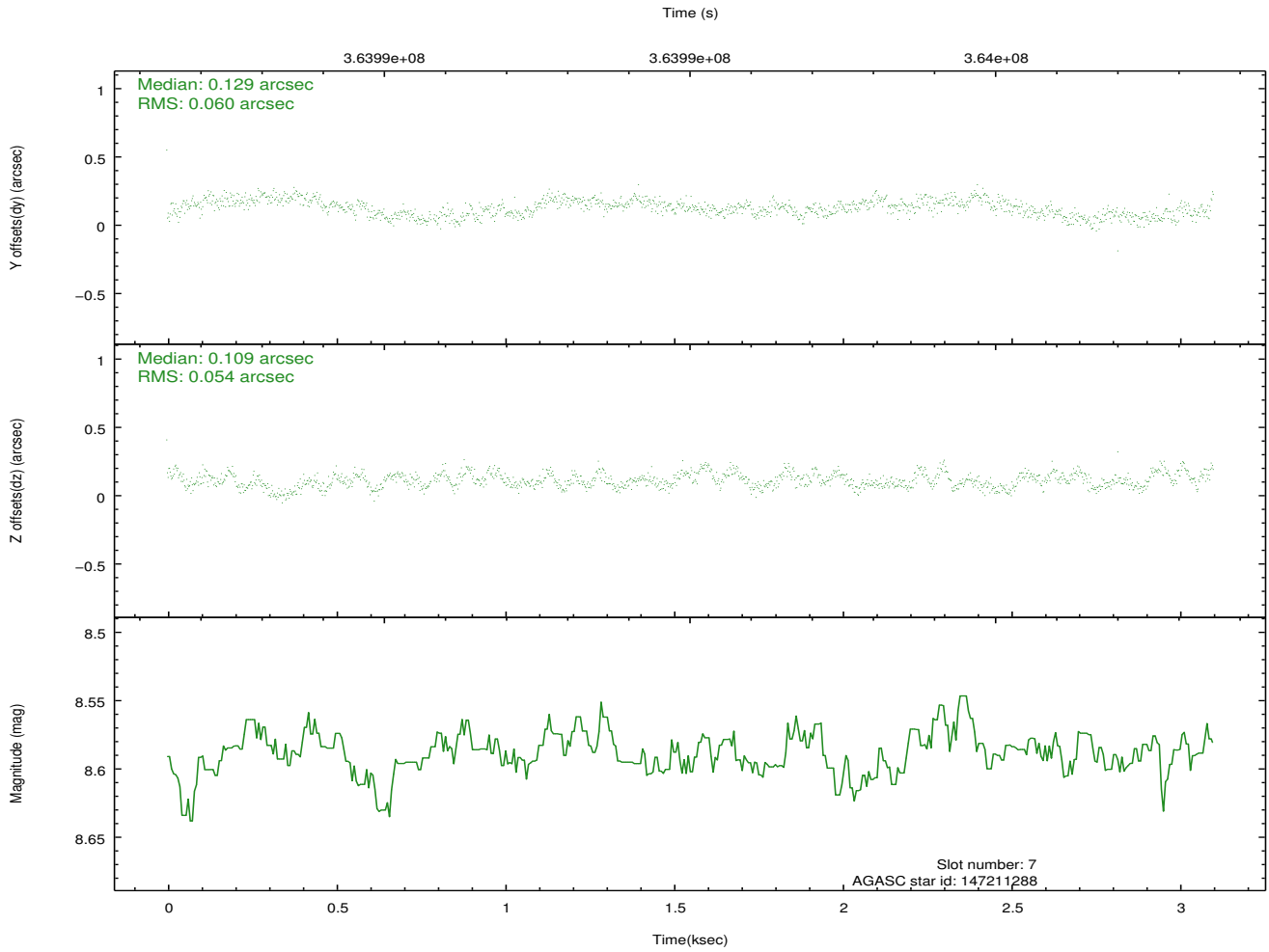
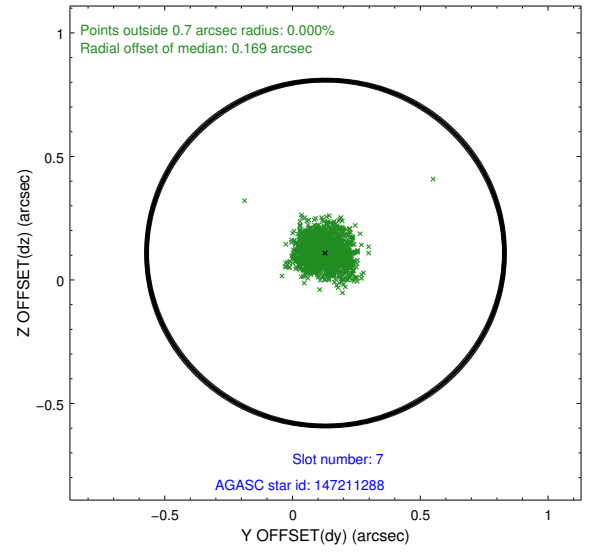
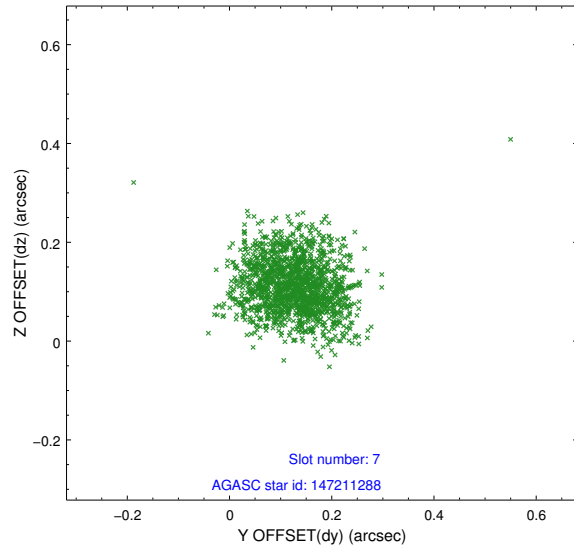
2.4.3 Slot 5



2.4.4 Slot 6

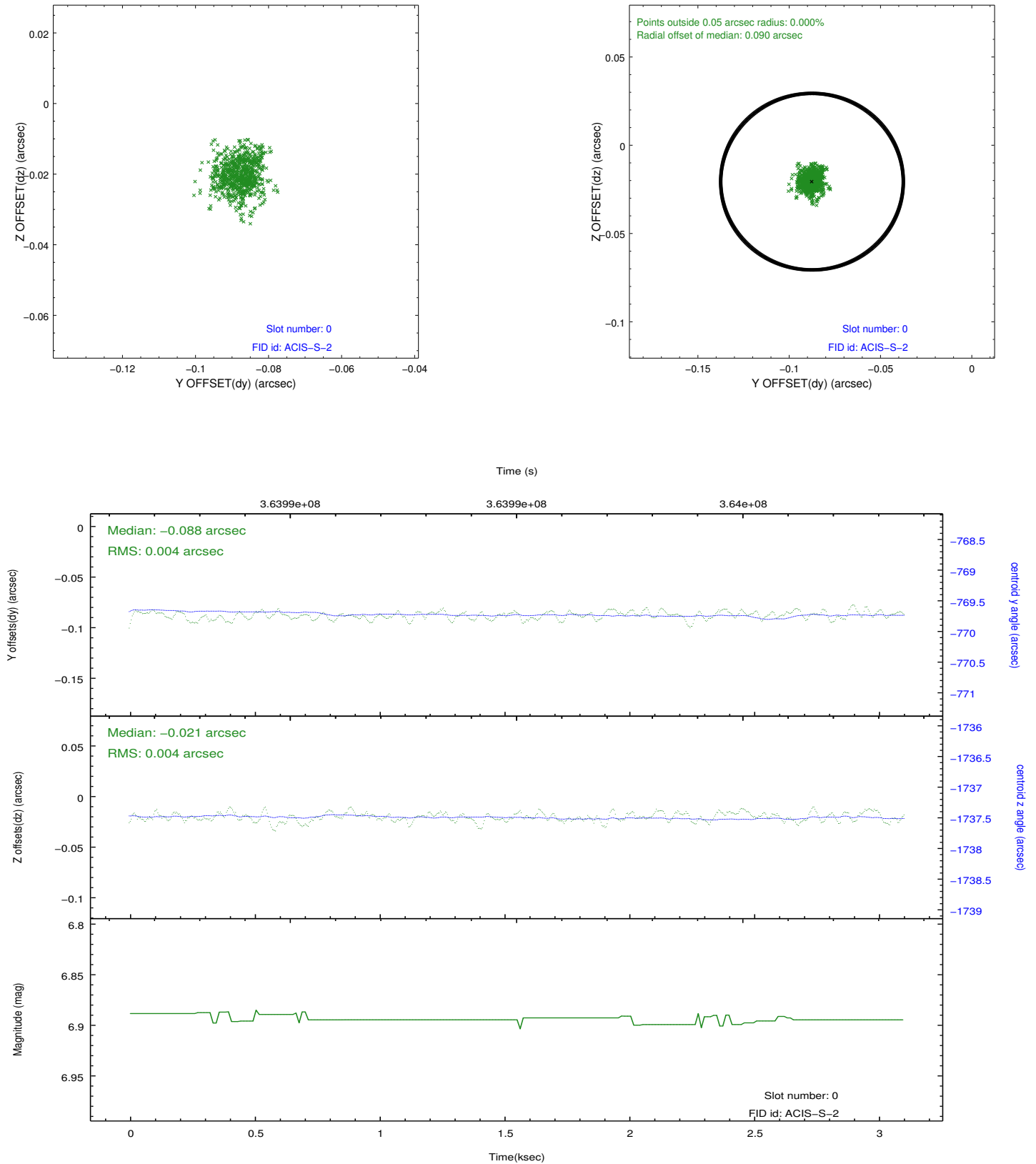


2.4.5 Slot 7

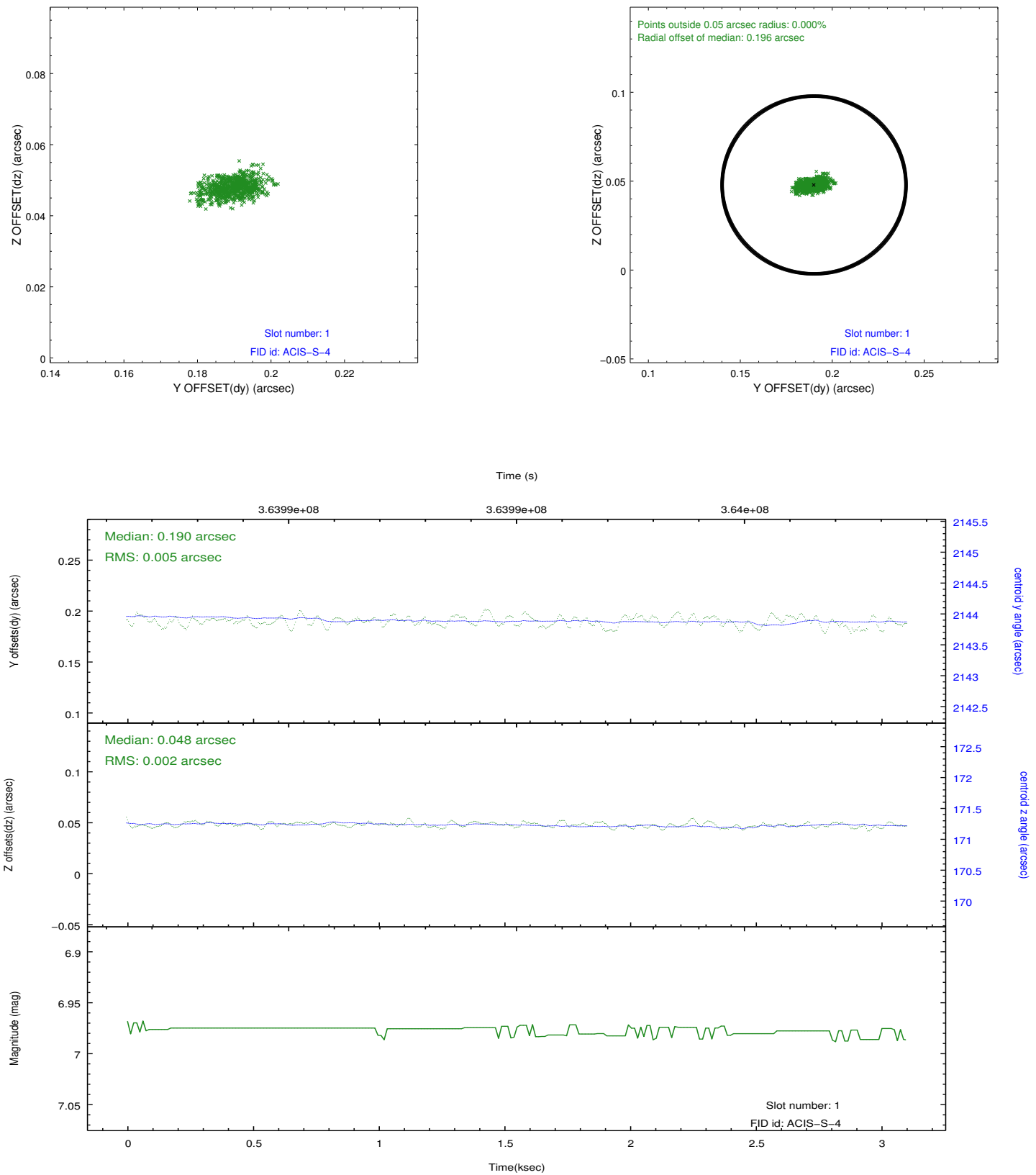


2.5 FID Slots

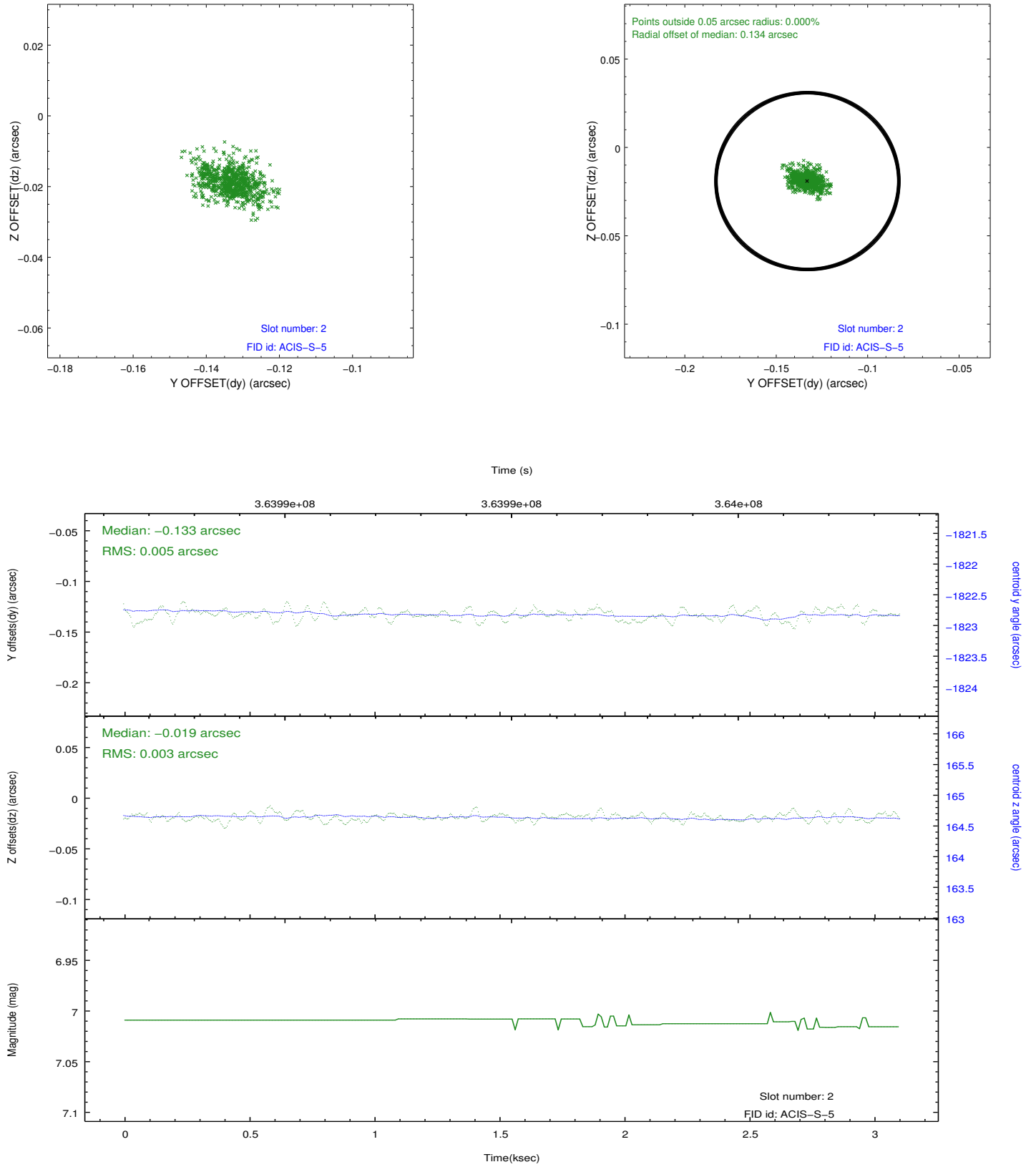
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.03050001

A.2 Comments