

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9241 - L2 Version 2
Chandra X-Ray Center

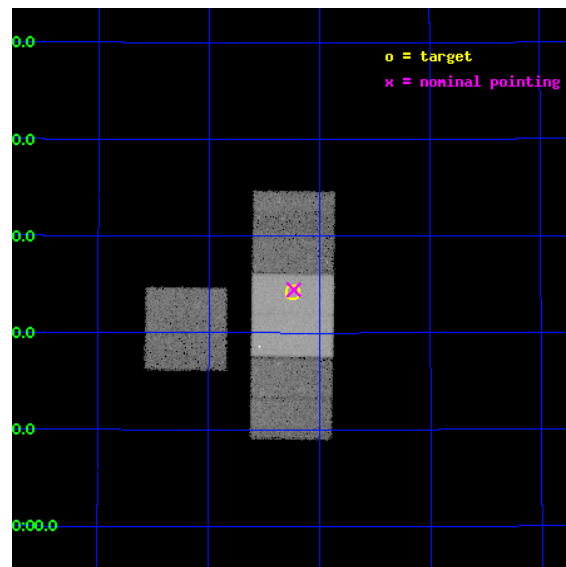
L2 Processing Date : May 16 2012

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1 Front

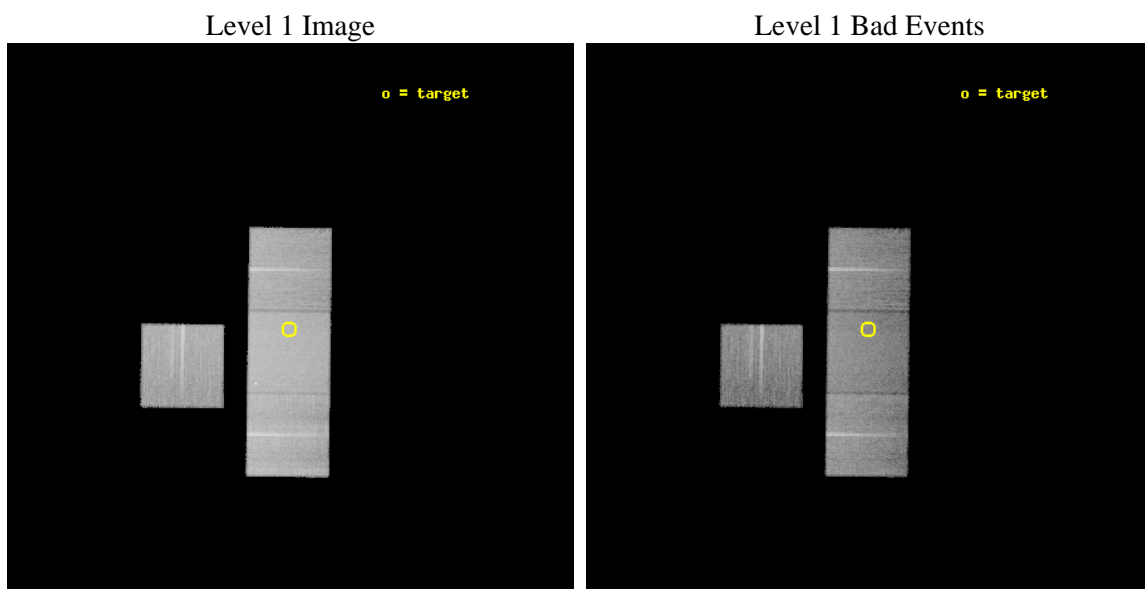
seq_num	701682	Sequence number
obs_id	9241	Observation id
title	Orientation effects in the X-ray and multi-wavelength properties of high-z, 3CRR quasars.	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	3CRR 13	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	8.56125	Observer's specified target RA [deg]
dec_targ	39.403556	Observer's specified target Dec [deg]
ra_nom	8.5578814483292	Nominal RA [deg]
dec_nom	39.407660152487	Nominal Dec [deg]
roll_nom	90.770061124207	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19790.149364769	Sum of GTIs [s]
livetime	19531.576494023	Livetime [s]
ontime3	19790.067284763	Sum of GTIs [s]
ontime6	19790.108324766	Sum of GTIs [s]
ontime7	19790.149364769	Sum of GTIs [s]
ontime8	19780.60325408	Sum of GTIs [s]
l2events	168994	Number of level 2 events



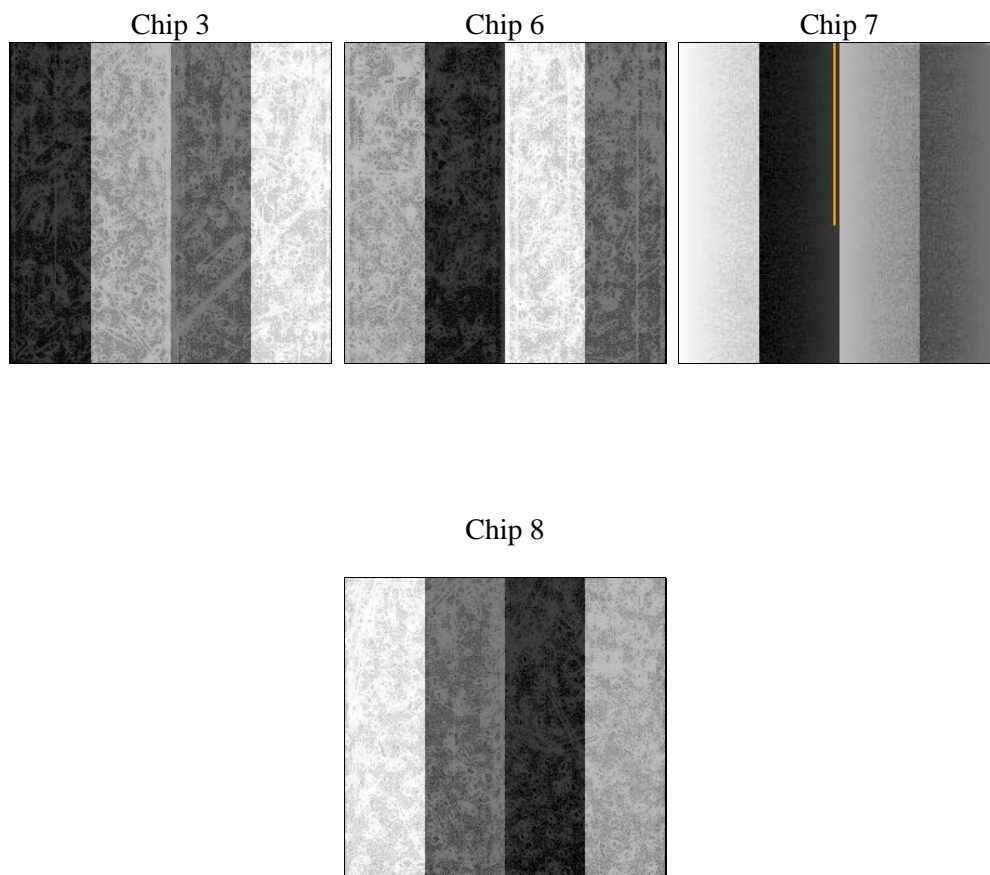
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	19790.149364769	Sum of GTIs [s]
caldsver	4.4.9	 	ontime3	19790.067284763	Sum of GTIs [s]
date	2012-05-16T03:21:07	Date and time of file creation	ontime6	19790.108324766	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	19790.149364769	Sum of GTIs [s]
			ontime8	19780.60325408	Sum of GTIs [s]
			l1events	866050	Number of level 1 events

2.1.4 Events

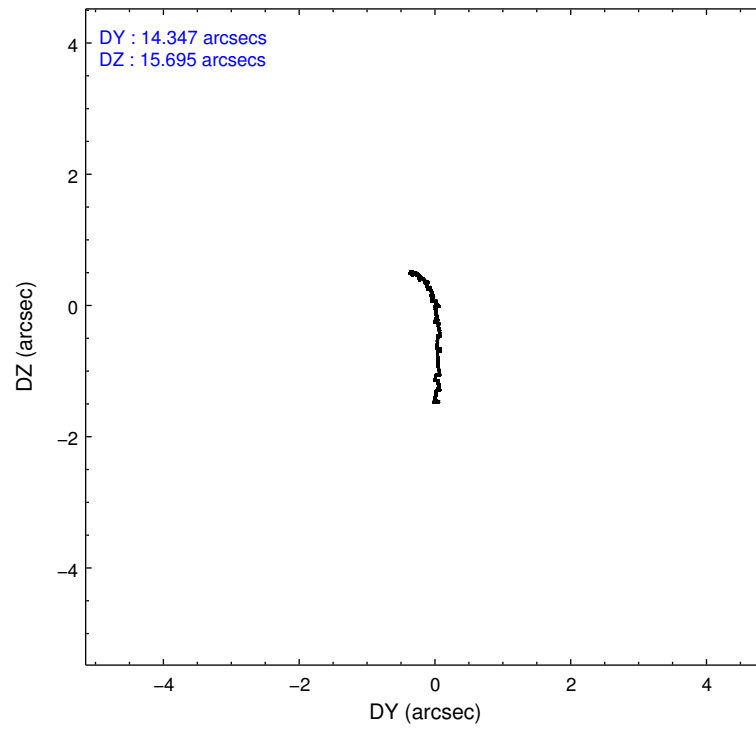
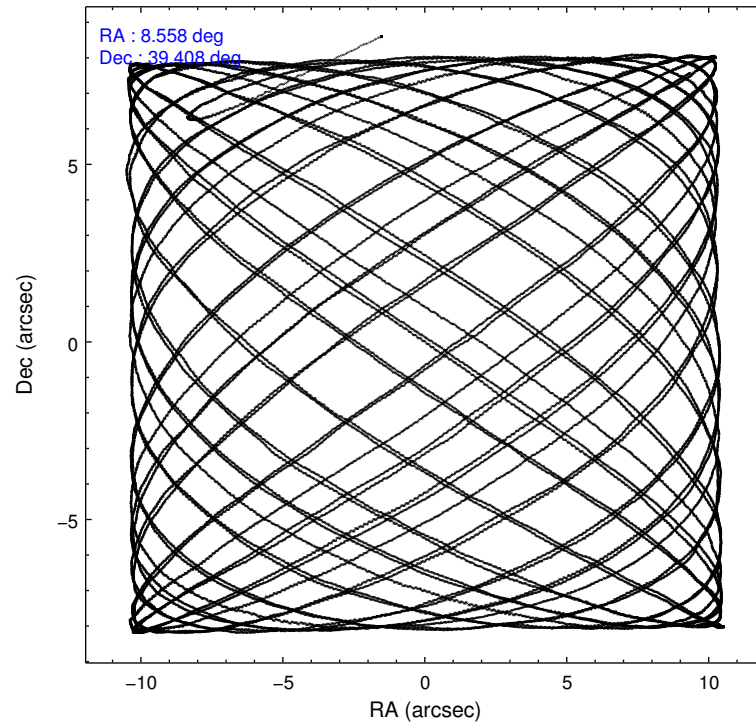
	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	178242	185358	259627	242823
rejected events	156272	162444	151265	187773
rejected %	87%	87%	58%	77%

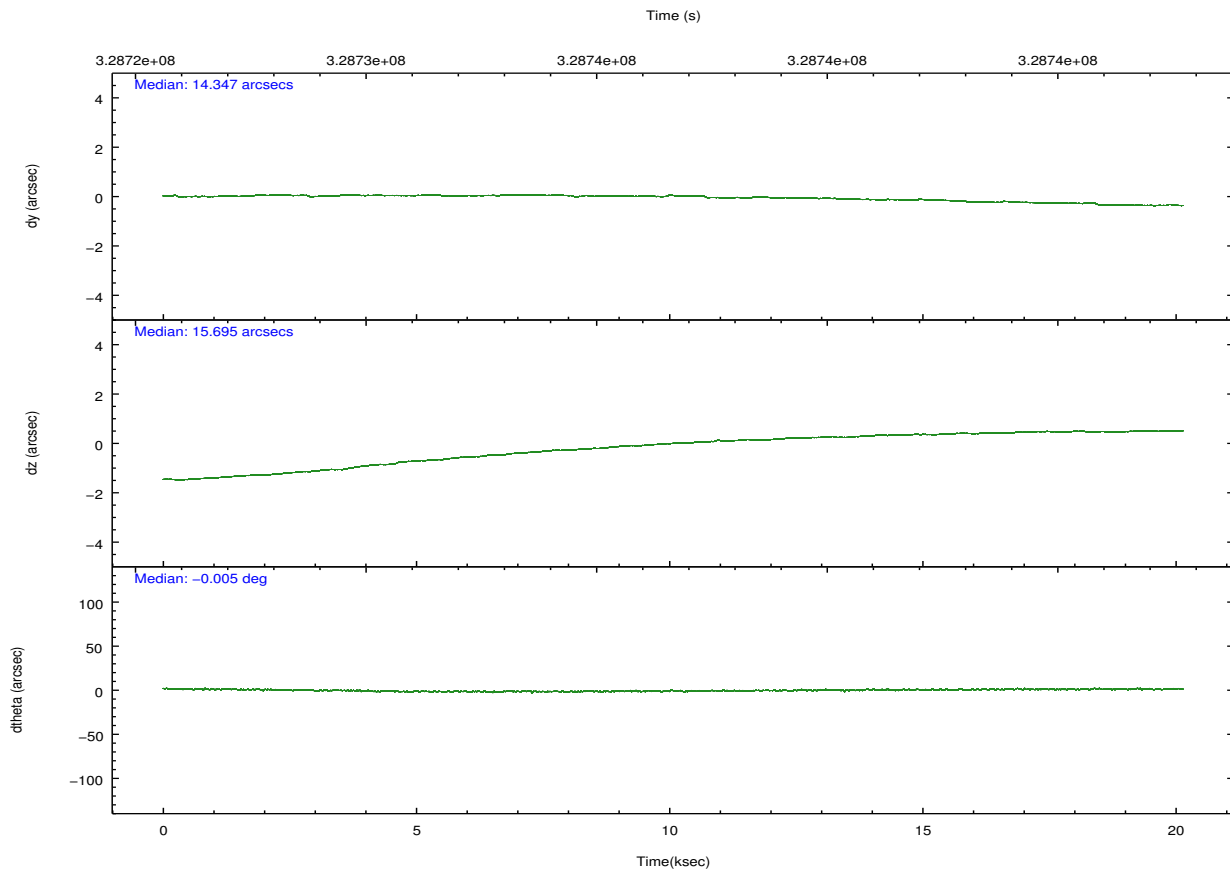
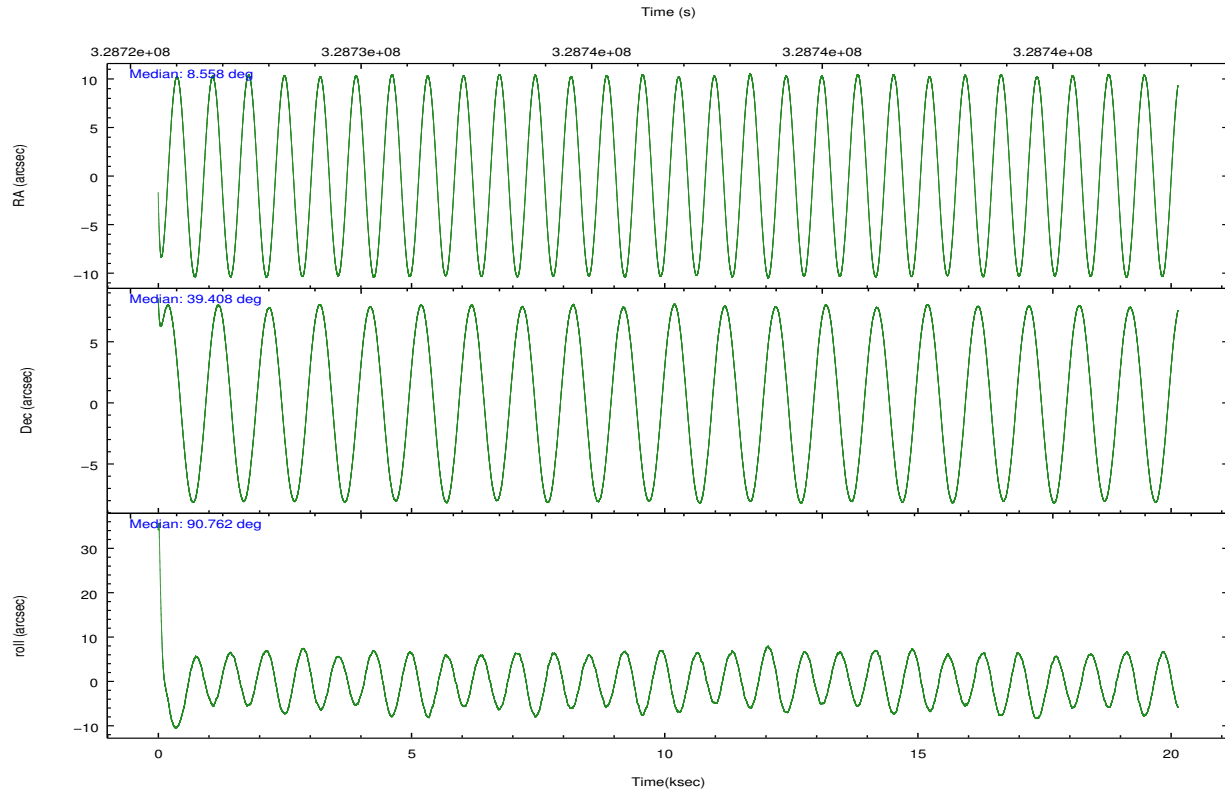
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	9345	8997	9248	16972
	5%	4%	3%	6%
grade 1 events	112	102	283	187
	0%	0%	0%	0%
grade 2 events	4450	5003	22327	12387
	2%	2%	8%	5%
grade 3 events	2170	2102	9001	5874
	1%	1%	3%	2%
grade 4 events	2079	2183	9165	5384
	1%	1%	3%	2%
grade 5 events	8797	9074	24209	11803
	4%	4%	9%	4%
grade 6 events	3929	4632	58637	14438
	2%	2%	22%	5%
grade 7 events	147360	153265	126757	175778
	82%	82%	48%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3678	ACIS-3678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	8.576395	8.557881448329226	CCD I2 on	N	N
[deg] Pointing Dec	39.384343	39.40766015248693	CCD I3 on	O1	Y
[deg] Pointing Roll	90.601667	90.7700611242068	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O3	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O2	Y
[s] Observation start time (MET)	328726727.184000	328725550.64432	CCD S5 on	N	N
Observation start date	2008-06-01T16:57:42	2008-06-01T16:39:10	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	328746727.184000	328747304.73288	On-chip summing requested	N	N
Observation end date	2008-06-01T22:31:02	2008-06-01T22:41:44	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



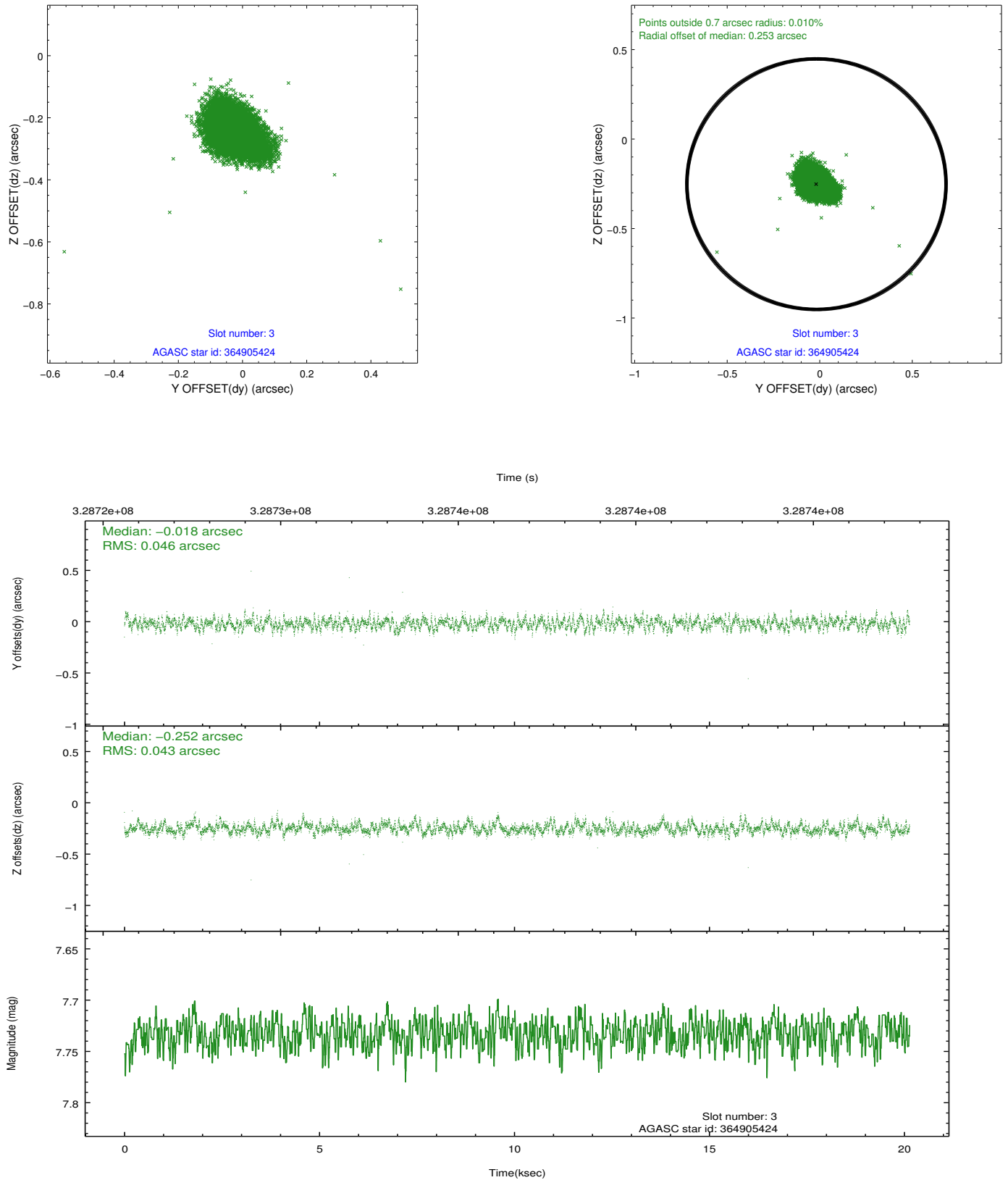


Slot Statistics

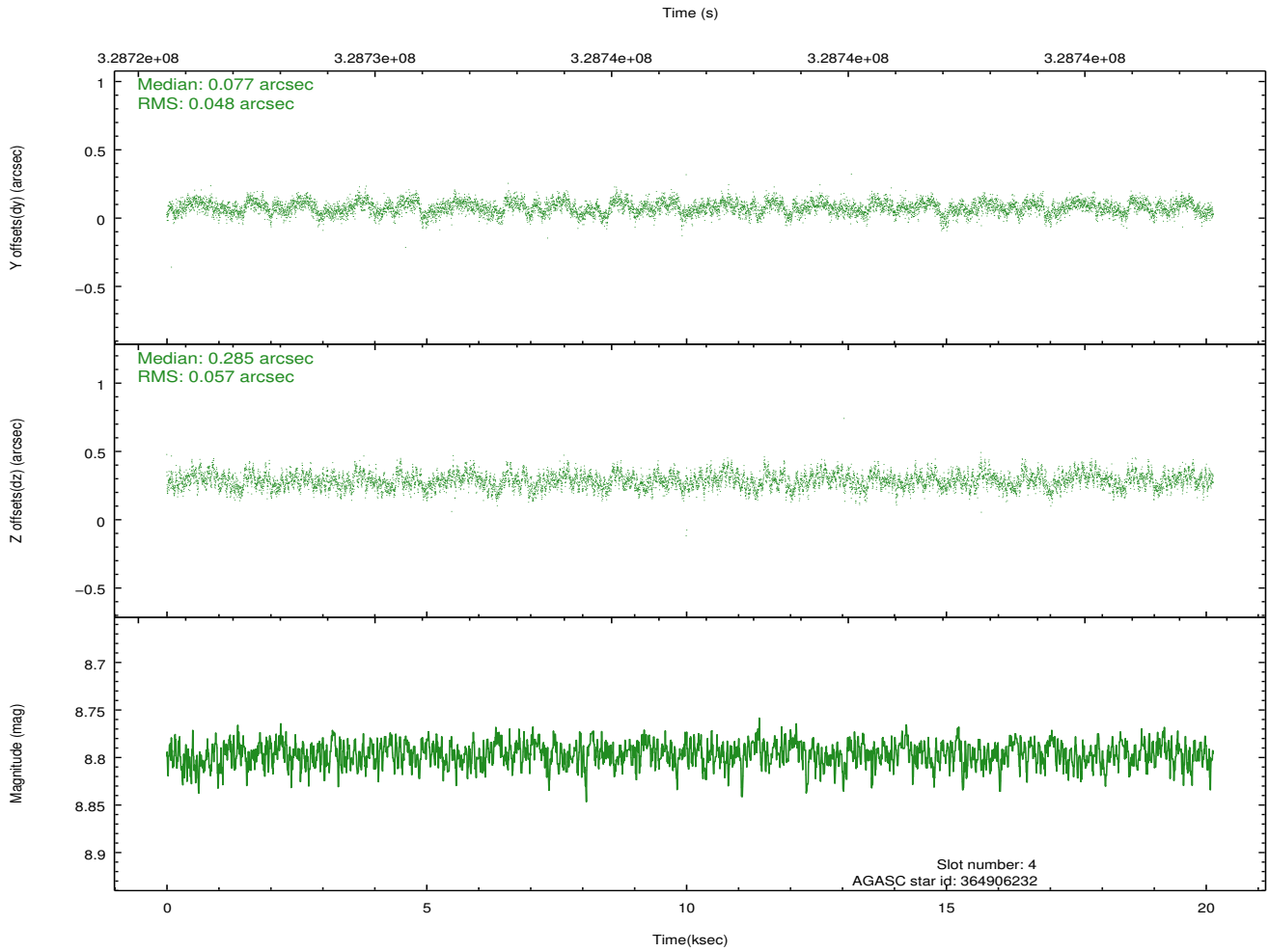
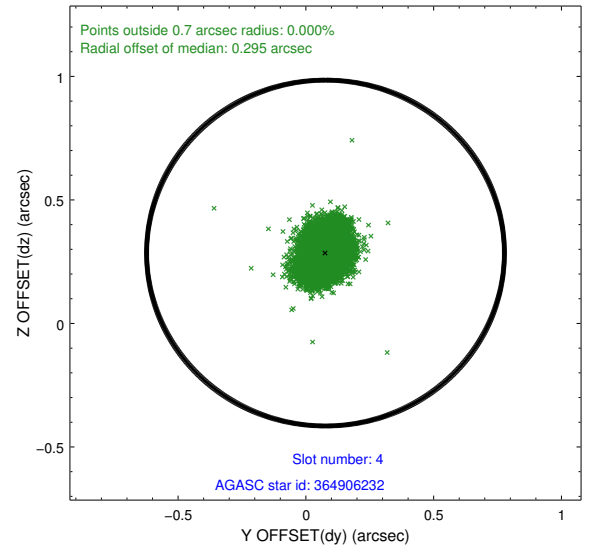
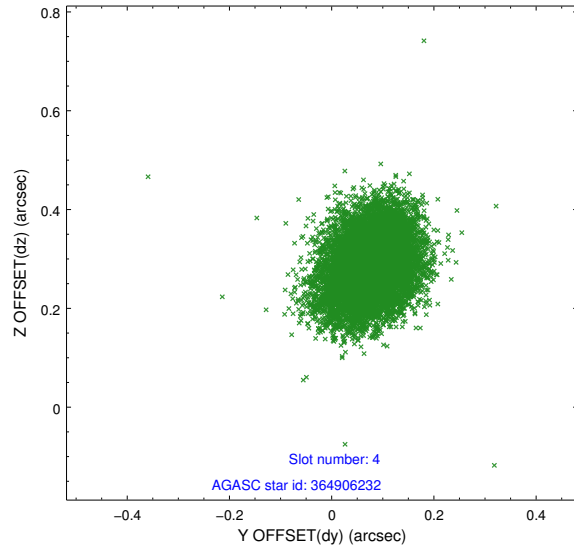
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-4	6.97	4912	0.144	-0.005	0.008	0.016	0.000000	0.000000	2146.26	171.85
1	FID	ACIS-S-5	7.00	4913	-0.190	-0.010	0.009	0.014	0.000000	0.000000	-1820.03	165.30
2	FID	ACIS-S-6	7.10	4912	0.017	0.029	0.011	0.028	0.000000	0.000000	394.18	809.10
3	GUIDE	364905424	7.73	9824	-0.018	-0.252	0.065	0.111	7.854522	38.980589	-1424.41	2035.07
4	GUIDE	364906232	8.80	9821	0.077	0.285	0.078	0.128	9.200112	39.292644	-342.06	-1733.52
5	GUIDE	364914848	8.33	9821	0.087	0.246	0.082	0.154	8.845546	38.953491	-1557.70	-737.51
6	GUIDE	364905488	8.83	9814	0.063	-0.170	0.079	0.124	7.837950	39.010924	-1314.54	2079.52
7	GUIDE	365443920	9.12	9819	-0.209	-0.099	0.117	0.182	8.533900	40.019291	2286.70	93.86

2.4 Star Slots

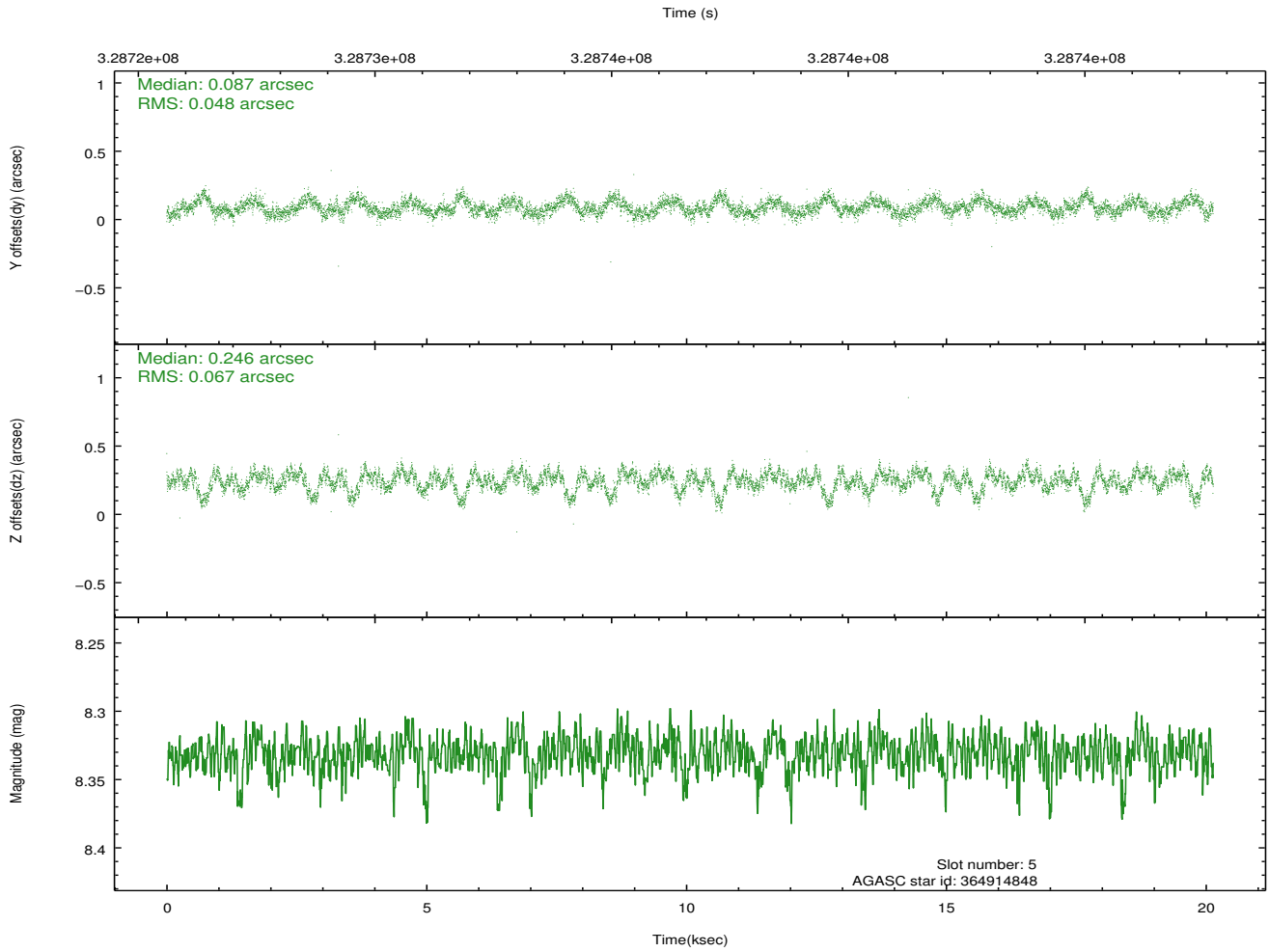
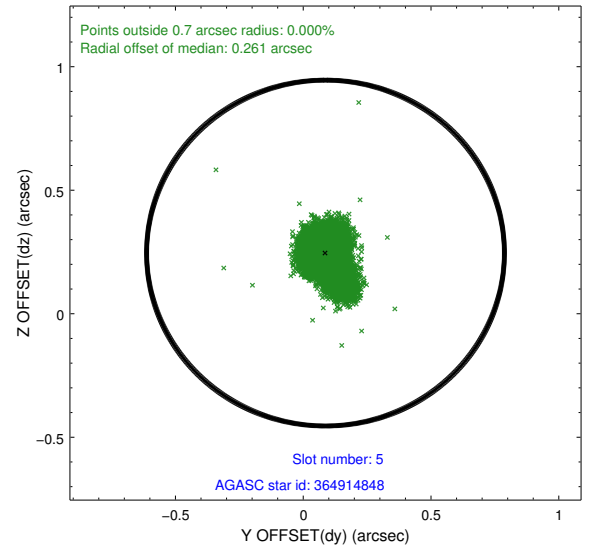
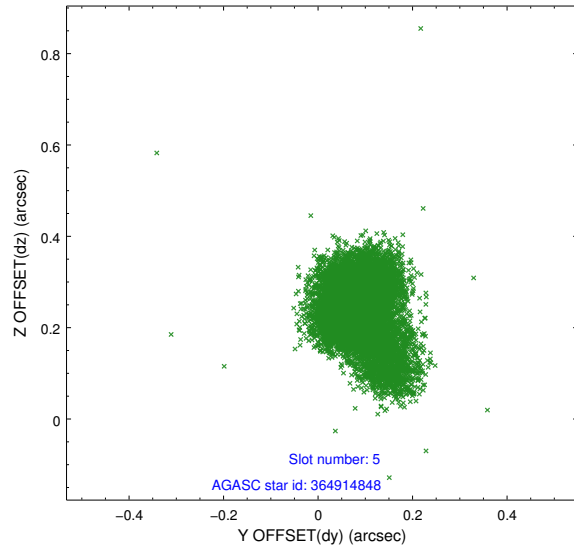
2.4.1 Slot 3



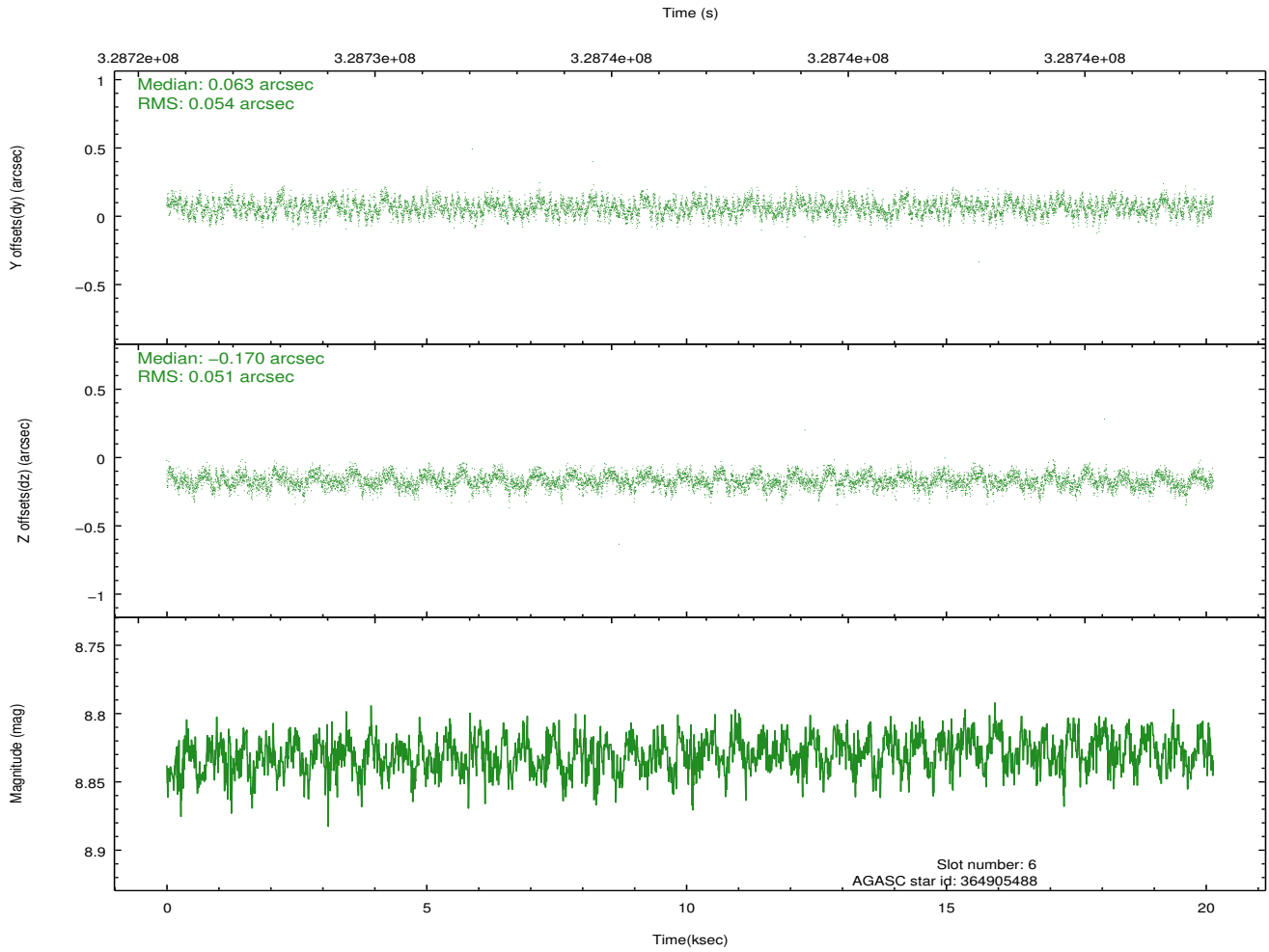
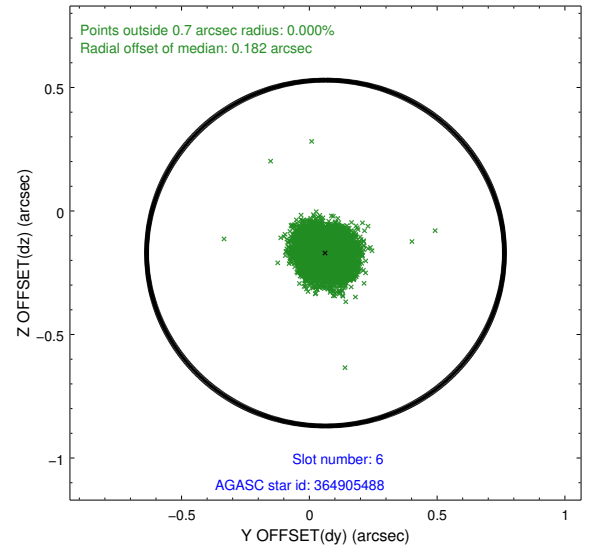
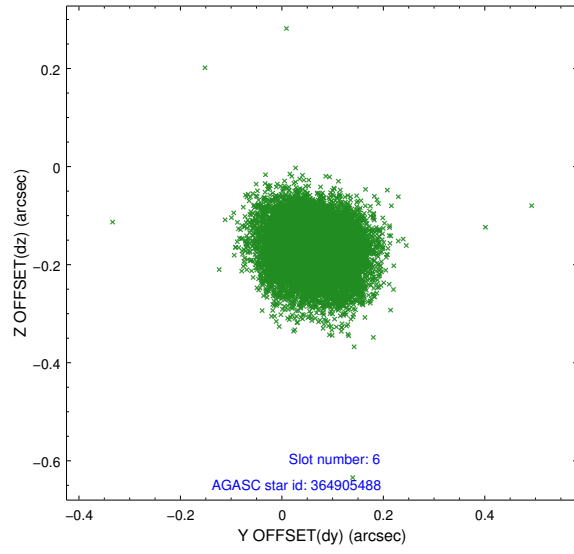
2.4.2 Slot 4



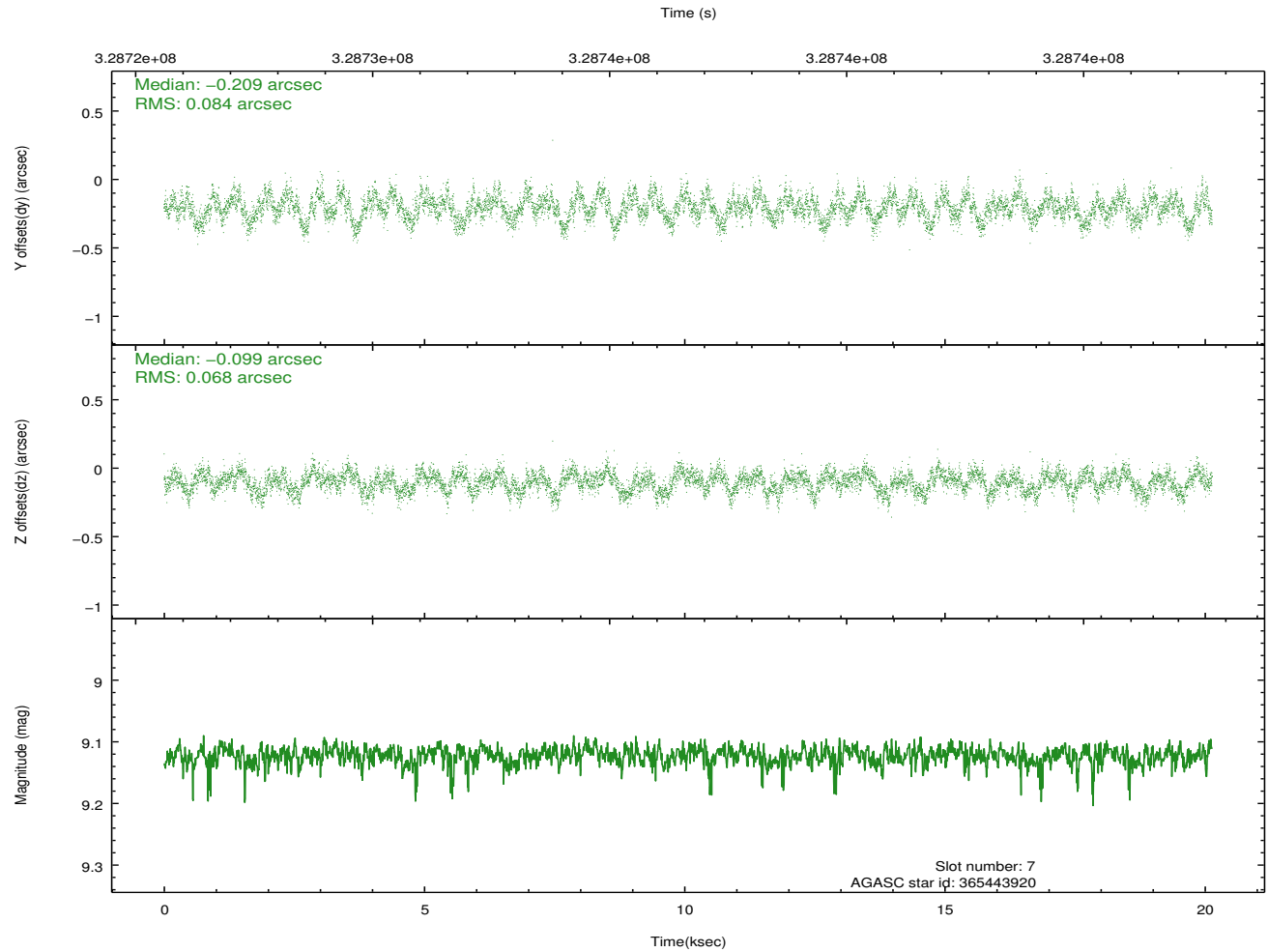
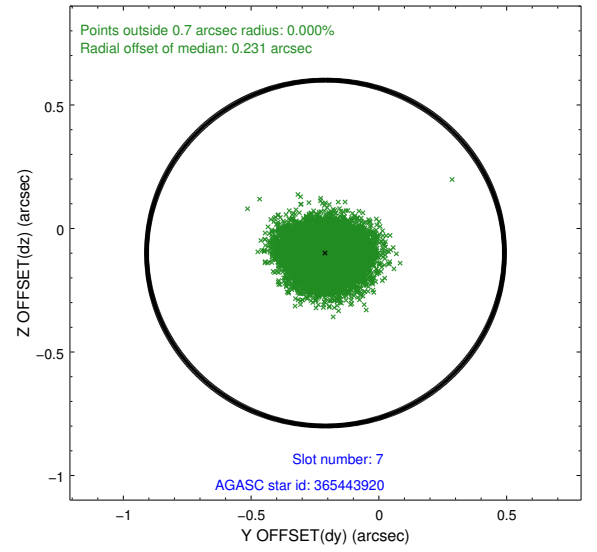
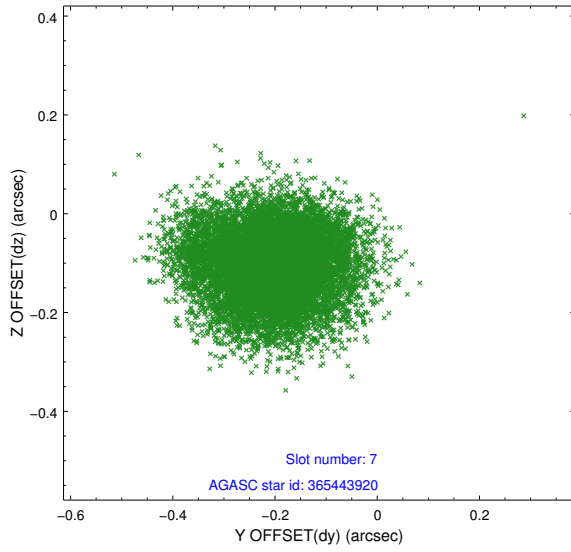
2.4.3 Slot 5



2.4.4 Slot 6

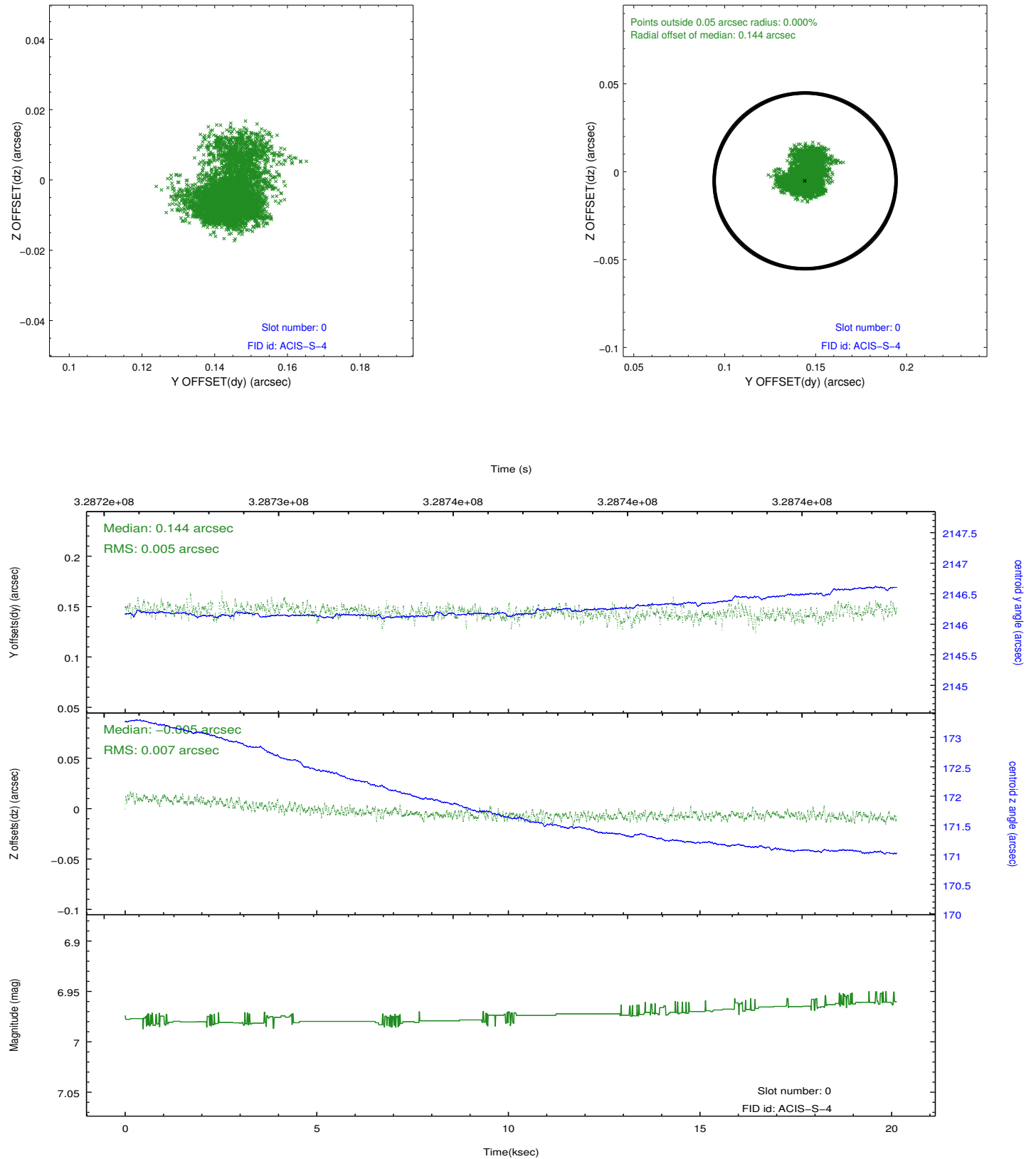


2.4.5 Slot 7

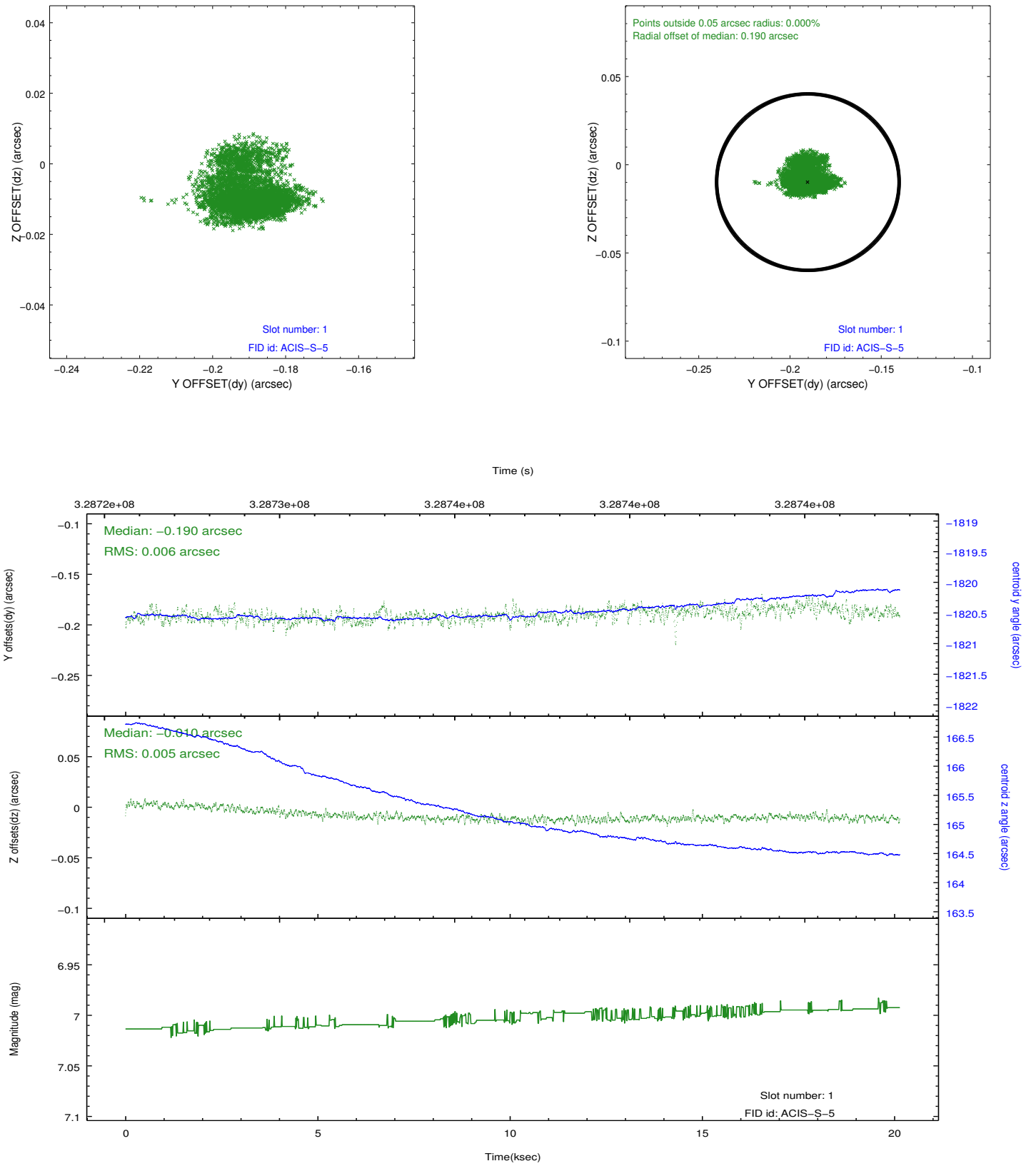


2.5 FID Slots

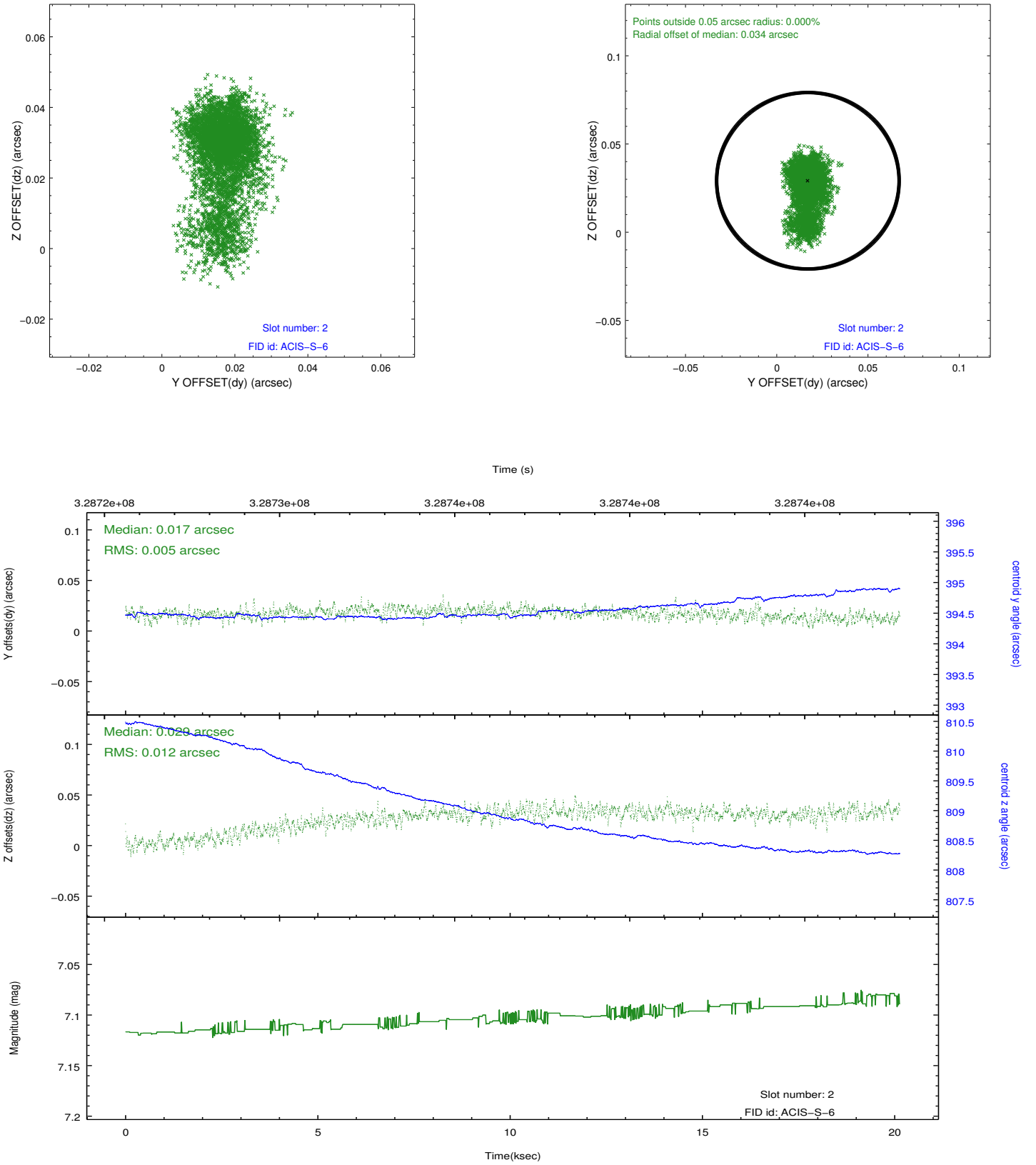
2.5.1 Slot 0



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)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.7904001

A.2 Comments