

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2788 - L2 Version 3
Chandra X-Ray Center

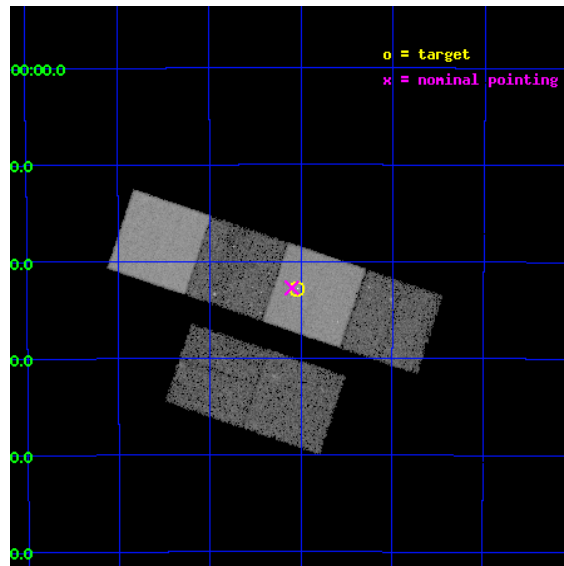
L2 Processing Date : Oct 17 2012

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1 Front

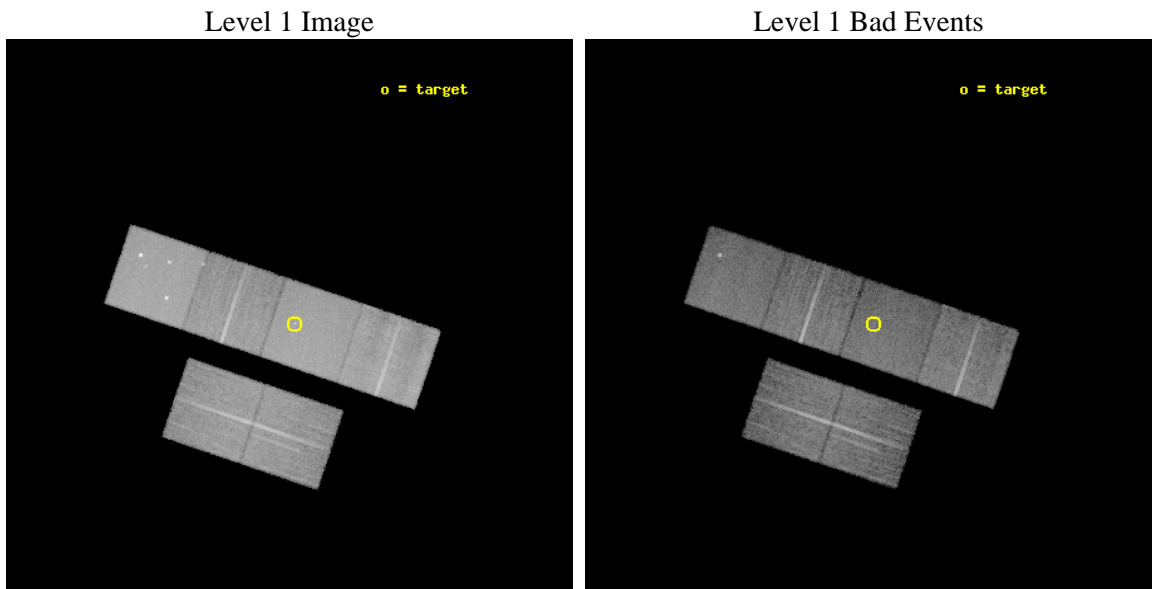
seq_num	500238	Sequence number
obs_id	2788	Observation id
title	ASTROMETRIC STUDY OF ISOLATED NEUTRON STARS	Proposal title
observer	Dr Christian Motch	Principal investigator
object	RX J0420-5022	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	65.01	Observer's specified target RA [deg]
dec_targ	-50.380417	Observer's specified target Dec [deg]
ra_nom	65.024969830814	Nominal RA [deg]
dec_nom	-50.379001776415	Nominal Dec [deg]
roll_nom	18.650353158235	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19622.399926901	Sum of GTIs [s]
livetime	19373.929283836	Livetime [s]
ontime2	19622.399926901	Sum of GTIs [s]
ontime3	19622.399926901	Sum of GTIs [s]
ontime5	19622.399926901	Sum of GTIs [s]
ontime6	19622.399926901	Sum of GTIs [s]
ontime7	19622.399926901	Sum of GTIs [s]
ontime8	19622.399926901	Sum of GTIs [s]
l2events	193498	Number of level 2 events



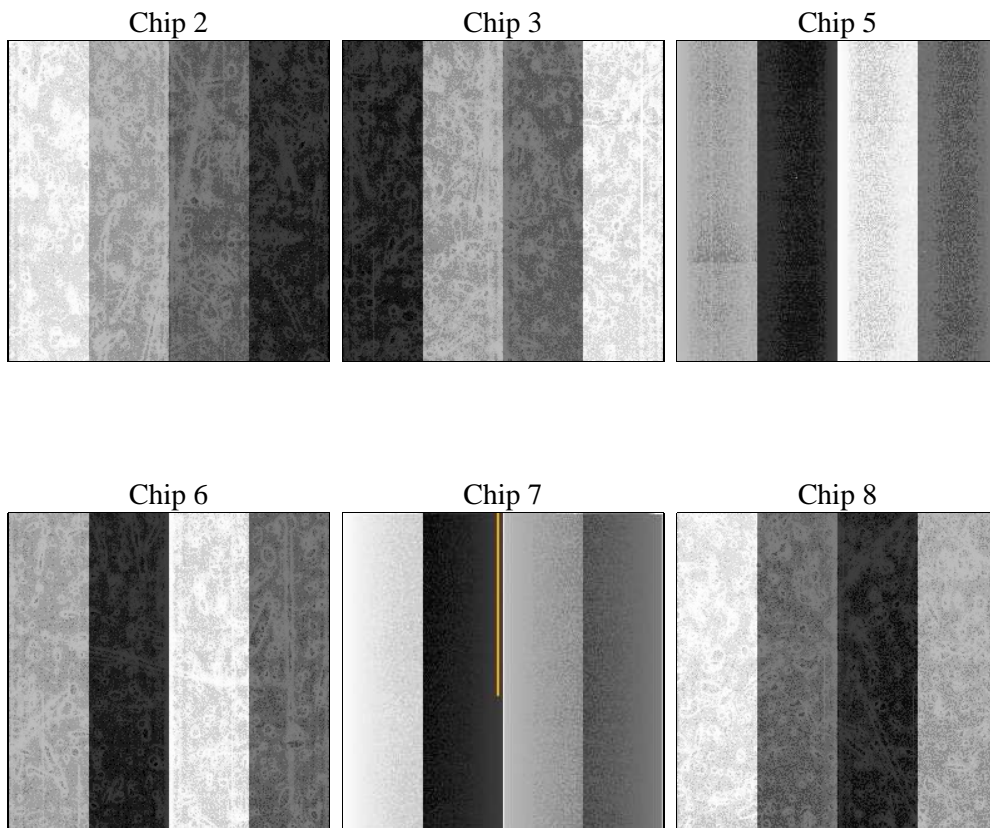
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	19500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19622.399926901	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	19622.399926901	Sum of GTIs [s]
date	2012-10-17T12:07:49	Date and time of file creation	ontime3	19622.399926901	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	19622.399926901	Sum of GTIs [s]
			ontime6	19622.399926901	Sum of GTIs [s]
			ontime7	19622.399926901	Sum of GTIs [s]
			ontime8	19622.399926901	Sum of GTIs [s]
			l1events	853366	Number of level 1 events

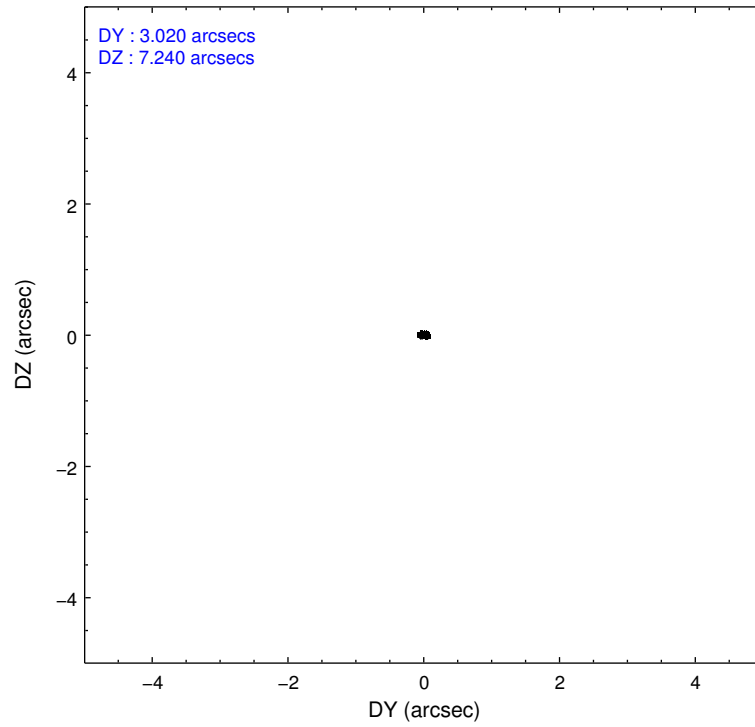
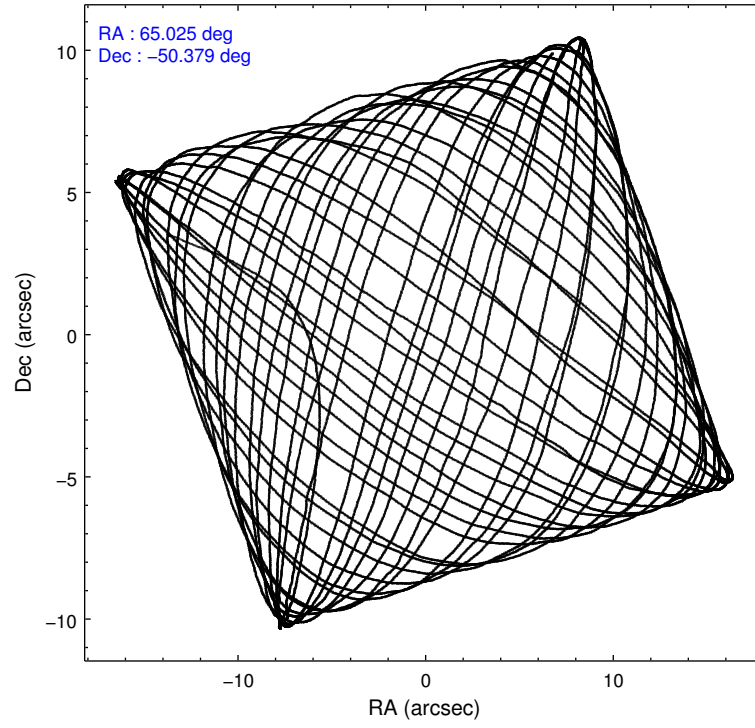
2.1.4 Events

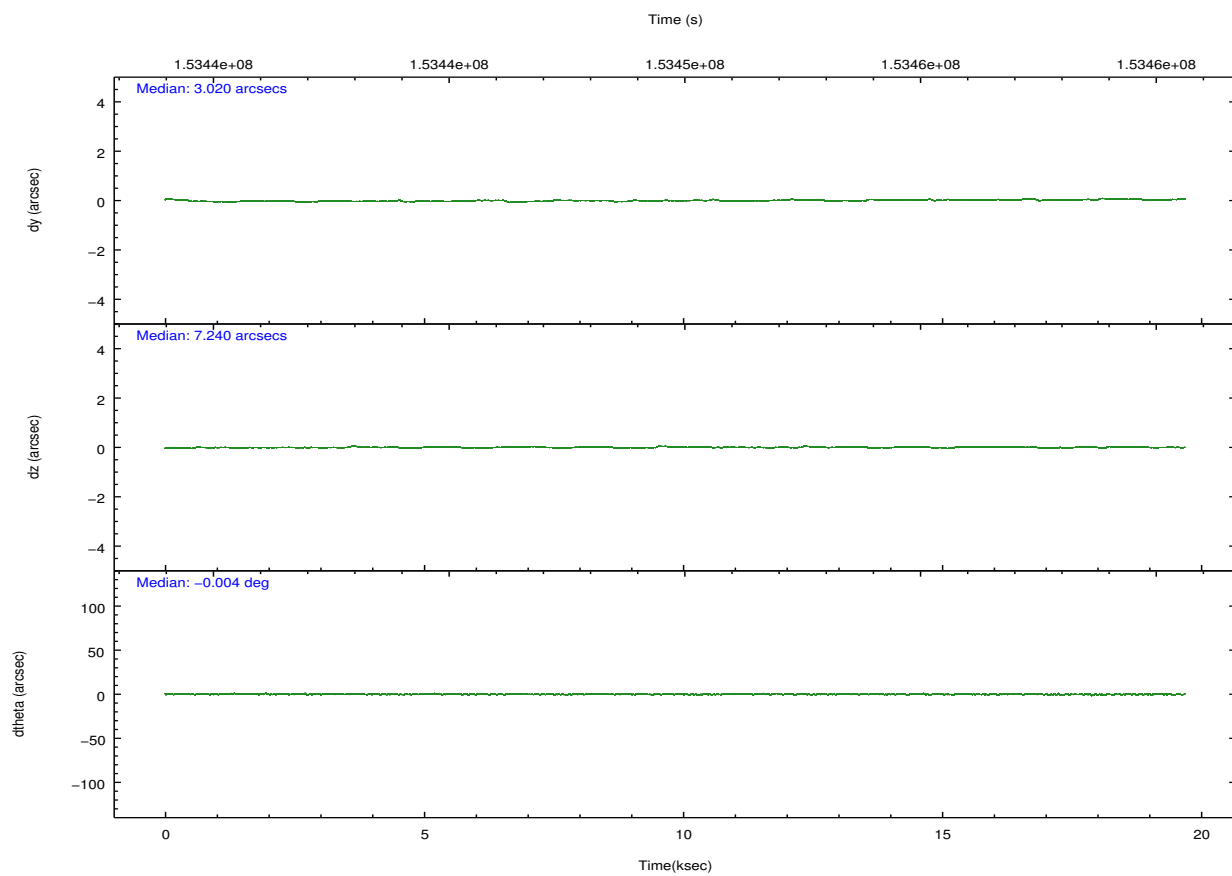
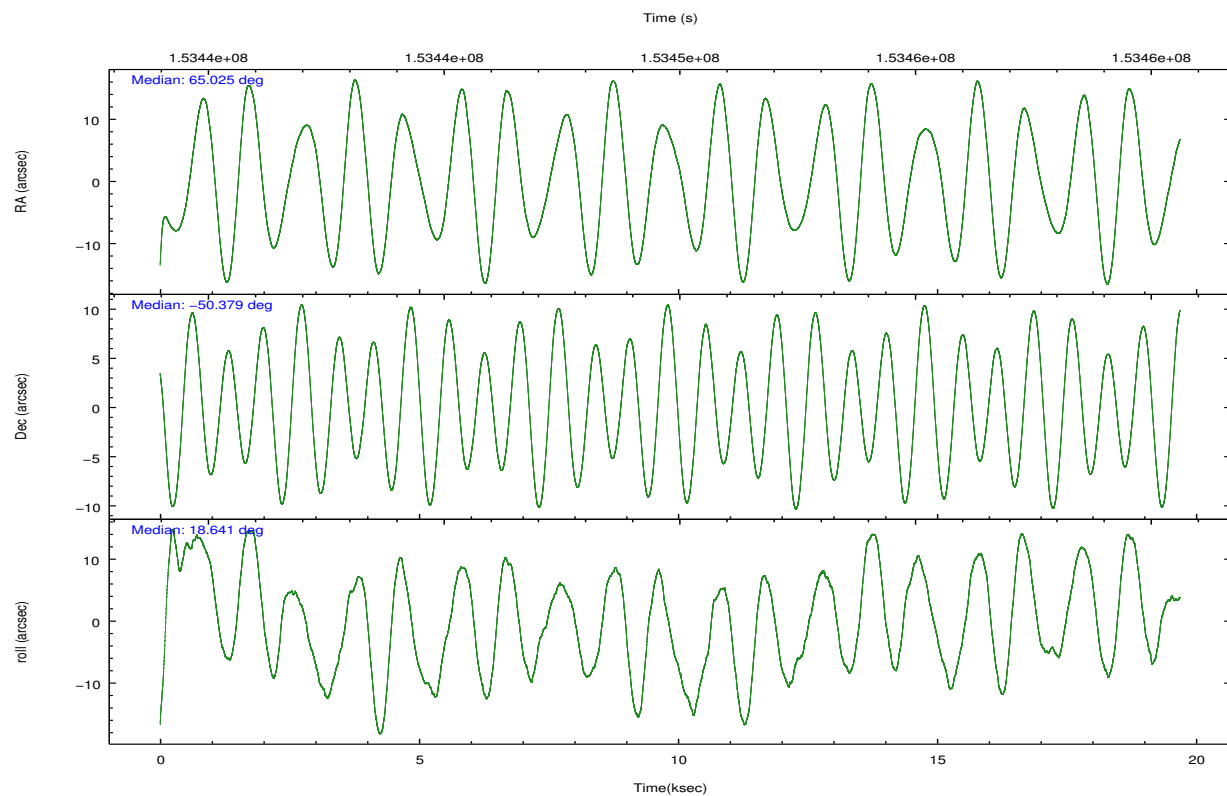
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	120142	113976	177335	122507	157985	161421	grade 0 events	6557	6380	10779	6575	6874	13824
rejected events	105460	99676	93526	106992	90797	118662		5%	5%	6%	5%	4%	8%
rejected %	87%	87%	52%	87%	57%	73%	grade 1 events	77	66	240	56	182	137
								0%	0%	0%	0%	0%	0%
							grade 2 events	3024	2726	24345	3198	13020	8213
								2%	2%	13%	2%	8%	5%
							grade 3 events	1343	1341	3652	1422	5889	5483
								1%	1%	2%	1%	3%	3%
							grade 4 events	1341	1347	3210	1417	5920	4875
								1%	1%	1%	1%	3%	3%
							grade 5 events	4402	4881	12840	5196	14643	6757
								3%	4%	7%	4%	9%	4%
							grade 6 events	2421	2509	41842	2904	35507	10366
								2%	2%	23%	2%	22%	6%
							grade 7 events	100977	94726	80427	101739	75950	111766
								84%	83%	45%	83%	48%	69%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	64.997214	65.02496983081397	Subarray requested	NONE	NONE
[deg] Pointing Dec	-50.399649	-50.37900177641475	Alternating exposures requested	N	N
[deg] Pointing Roll	18.472344	18.65035315823539	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	153440129.184000	153439072.89935			
Observation start date	2002-11-11T22:14:25	2002-11-11T21:57:52			
[s] Observation end time (MET)	153459629.184000	153460038.25022			
Observation end date	2002-11-12T03:39:25	2002-11-12T03:47:18			
Read mode	TIMED	TIMED			

2.3 Aspect



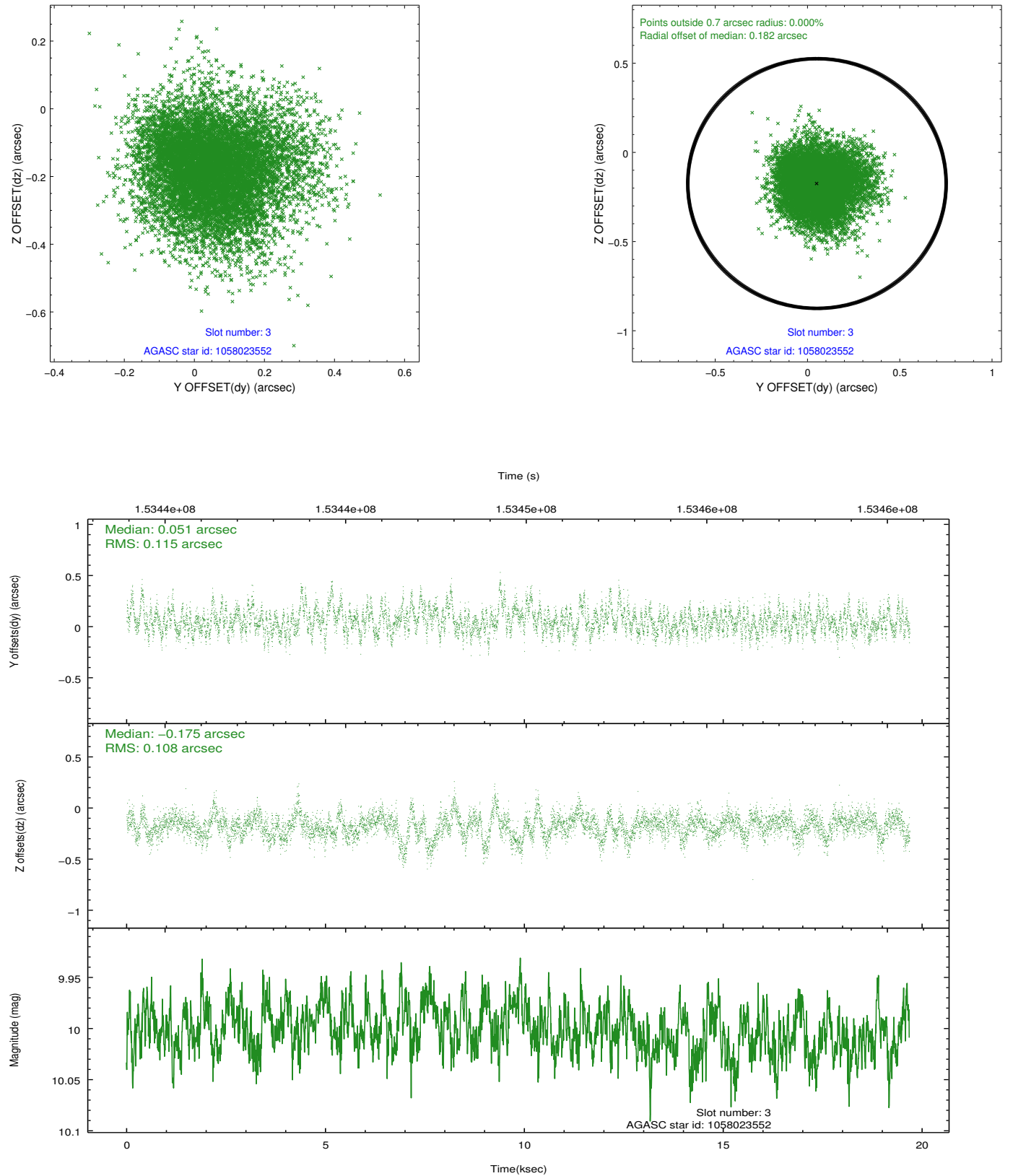


Slot Statistics

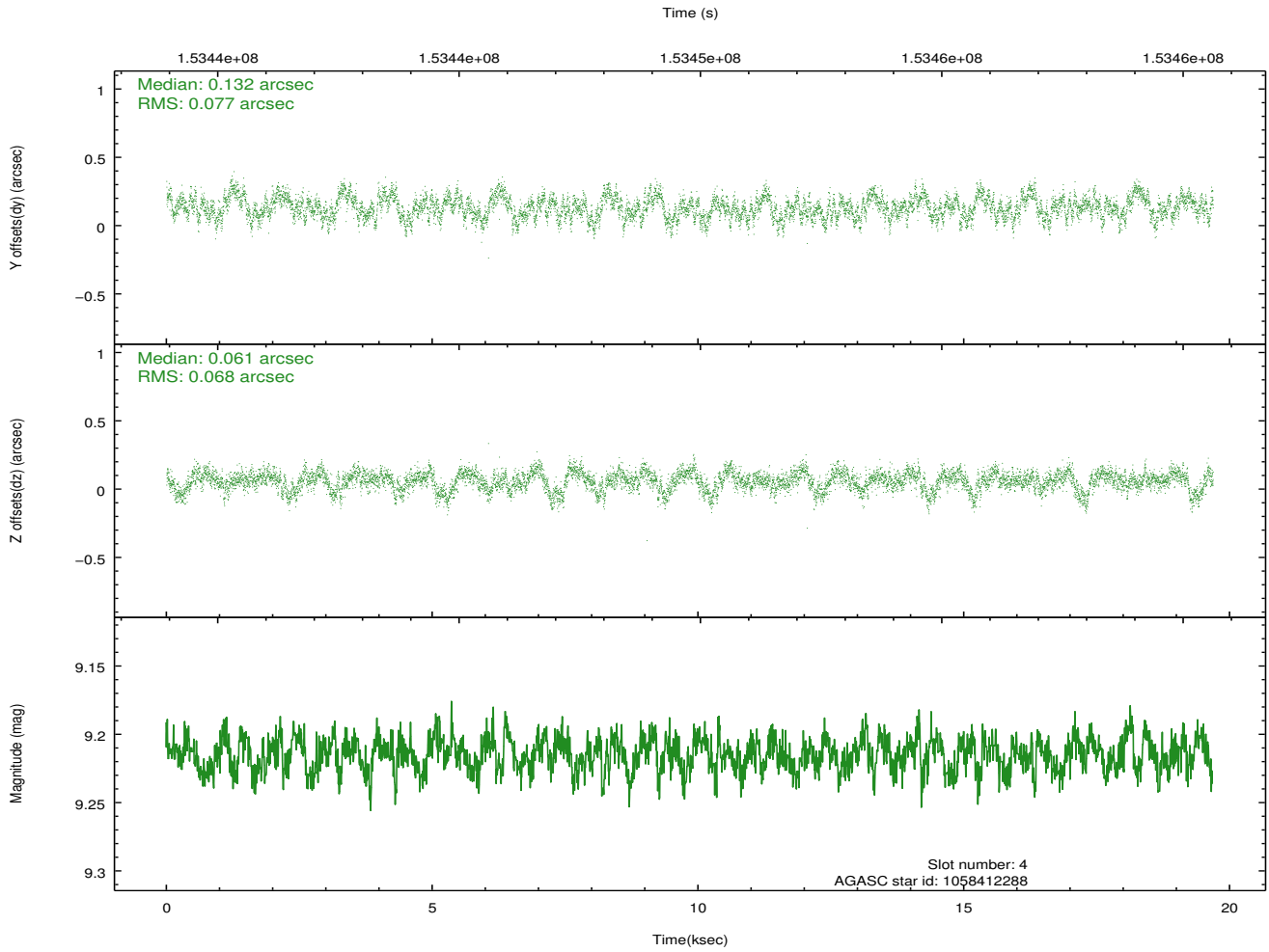
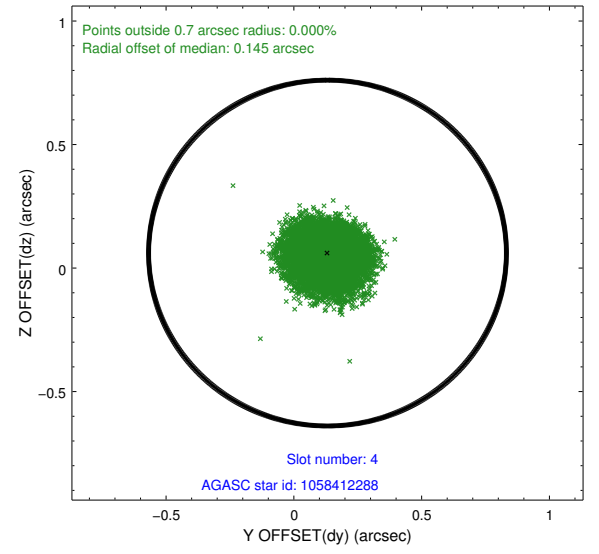
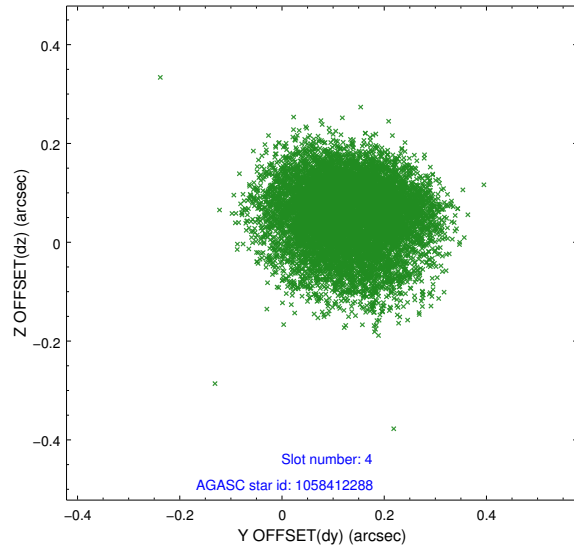
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4802	-0.018	-0.000	0.007	0.011	0.000000	0.000000	-755.68	-1728.36
1	FID	ACIS-S-4	7.20	4801	0.004	0.009	0.006	0.010	0.000000	0.000000	2157.53	179.94
2	FID	ACIS-S-5	7.24	4801	-0.017	0.000	0.007	0.012	0.000000	0.000000	-1808.27	173.81
3	GUIDE	1058023552	10.00	9593	0.051	-0.175	0.165	0.280	64.133515	-49.952760	-1392.12	2148.42
4	GUIDE	1058412288	9.21	9597	0.132	0.061	0.111	0.174	65.457997	-50.004198	1460.75	1009.86
5	GUIDE	1058417992	9.78	9529	0.046	-0.039	0.188	0.301	65.253028	-50.204198	781.43	479.82
6	GUIDE	1058418424	9.57	9600	-0.105	0.095	0.113	0.194	65.947855	-50.664334	1751.11	-1603.85
7	GUIDE	1058419656	7.75	9603	-0.112	0.068	0.074	0.121	66.211277	-50.622190	2368.57	-1660.02

2.4 Star Slots

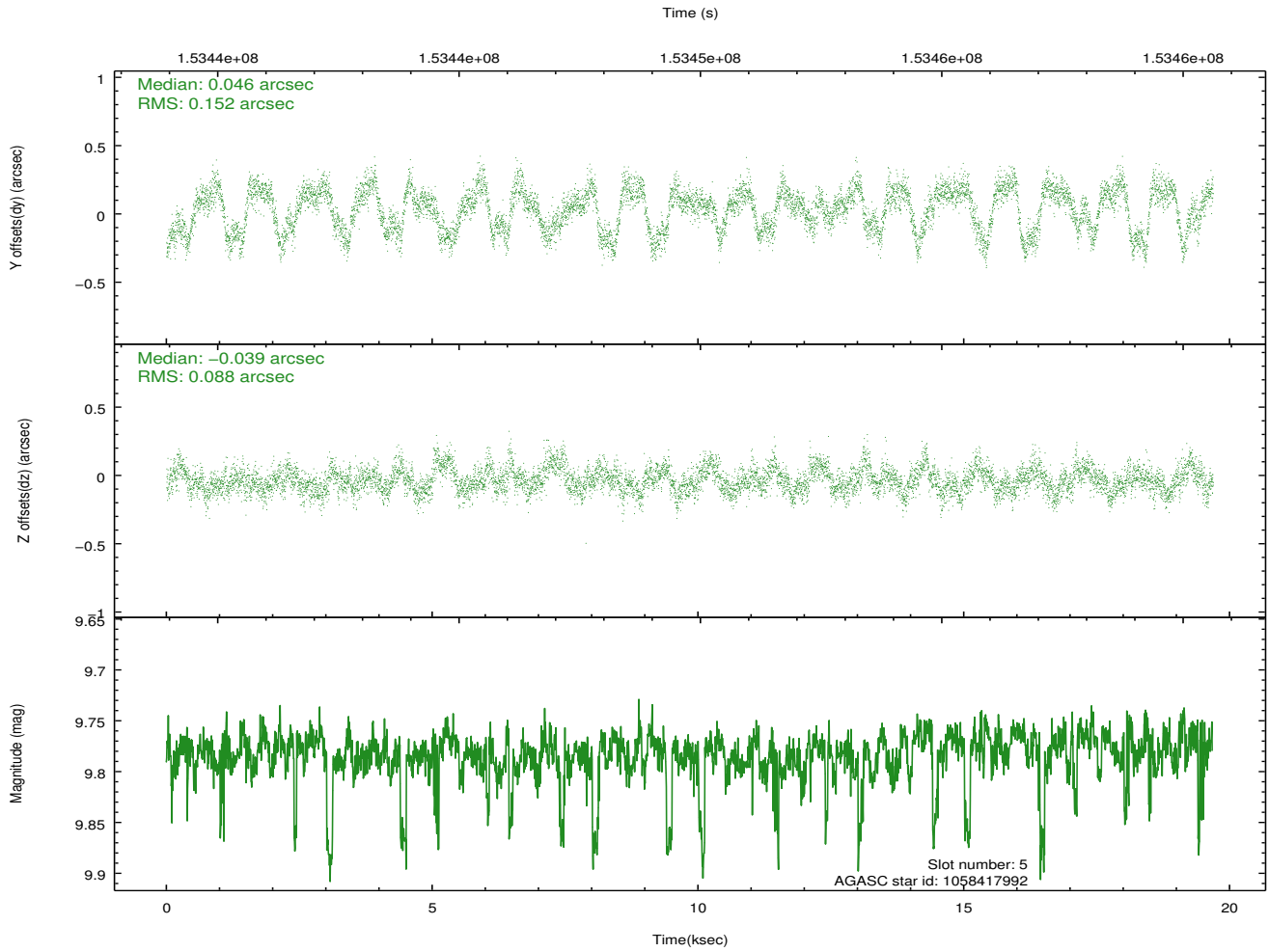
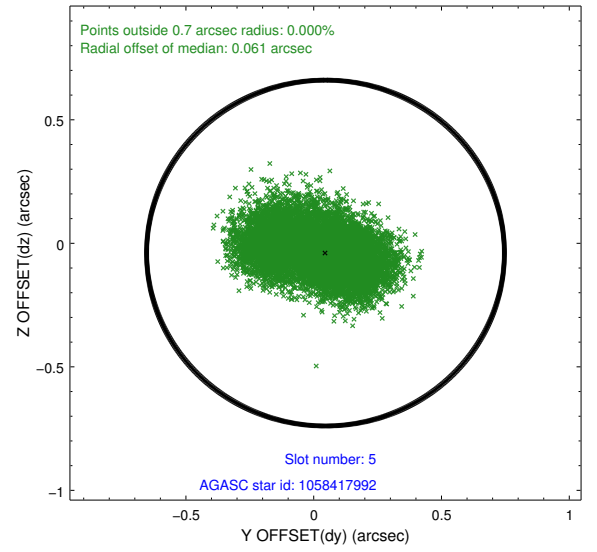
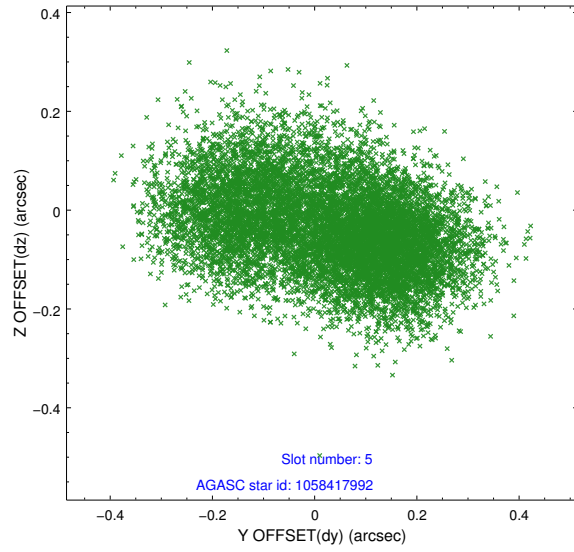
2.4.1 Slot 3



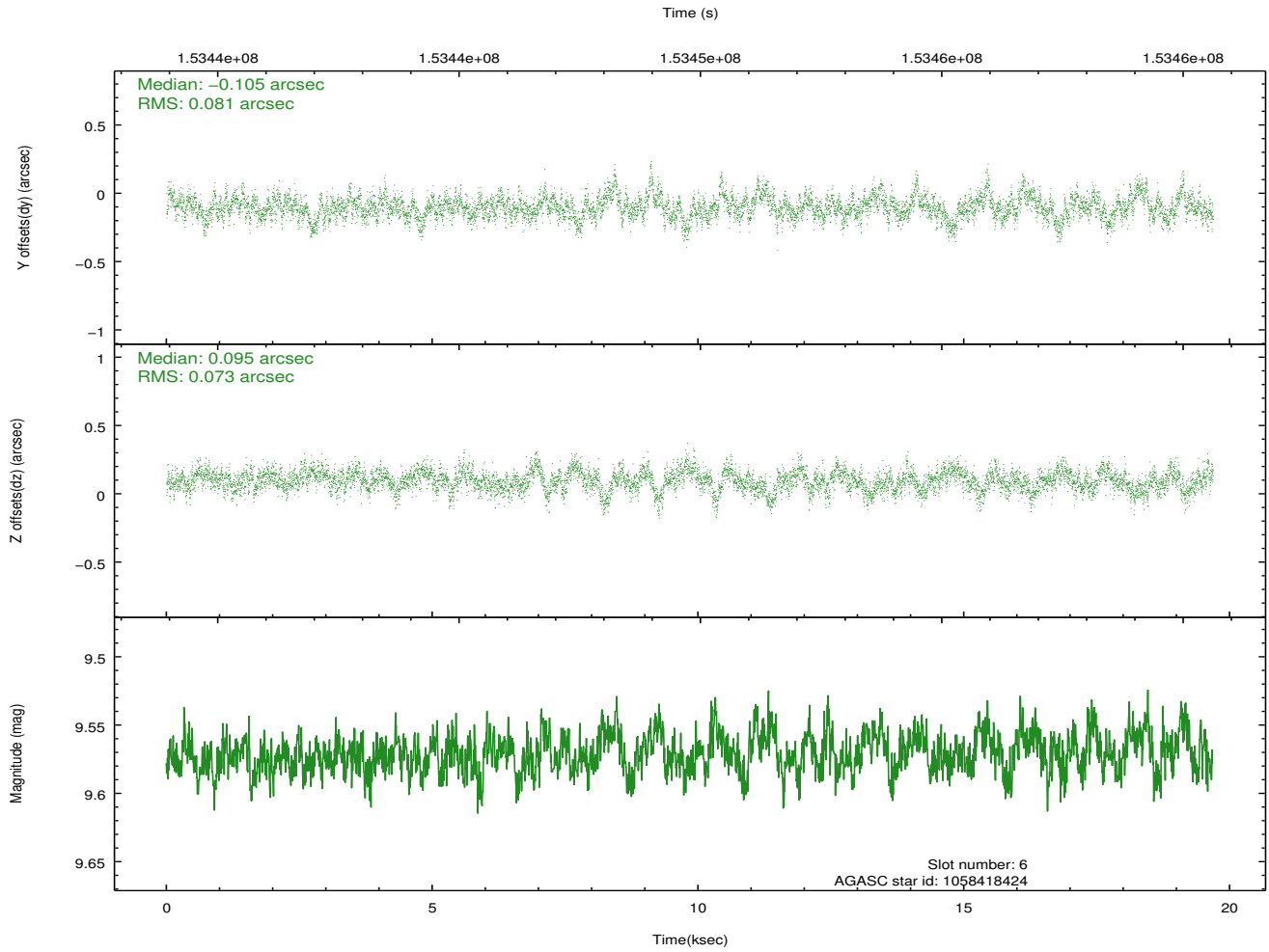
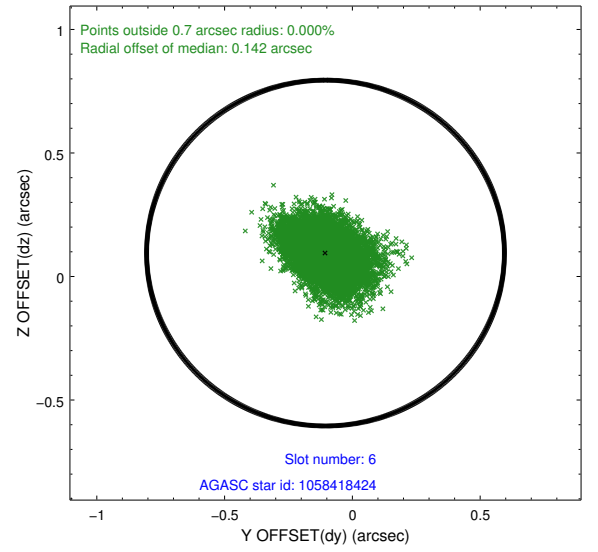
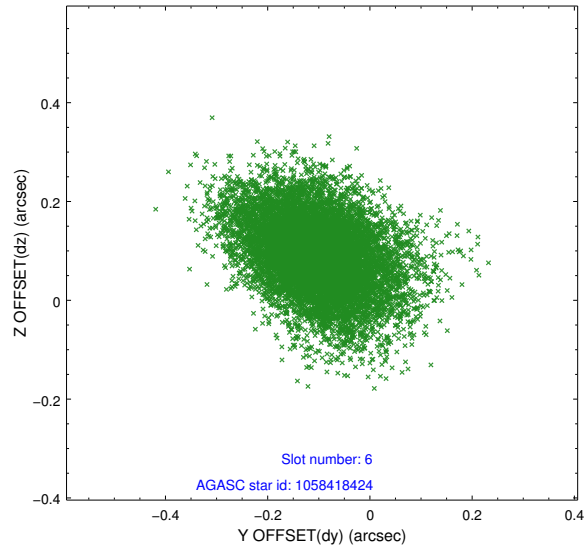
2.4.2 Slot 4



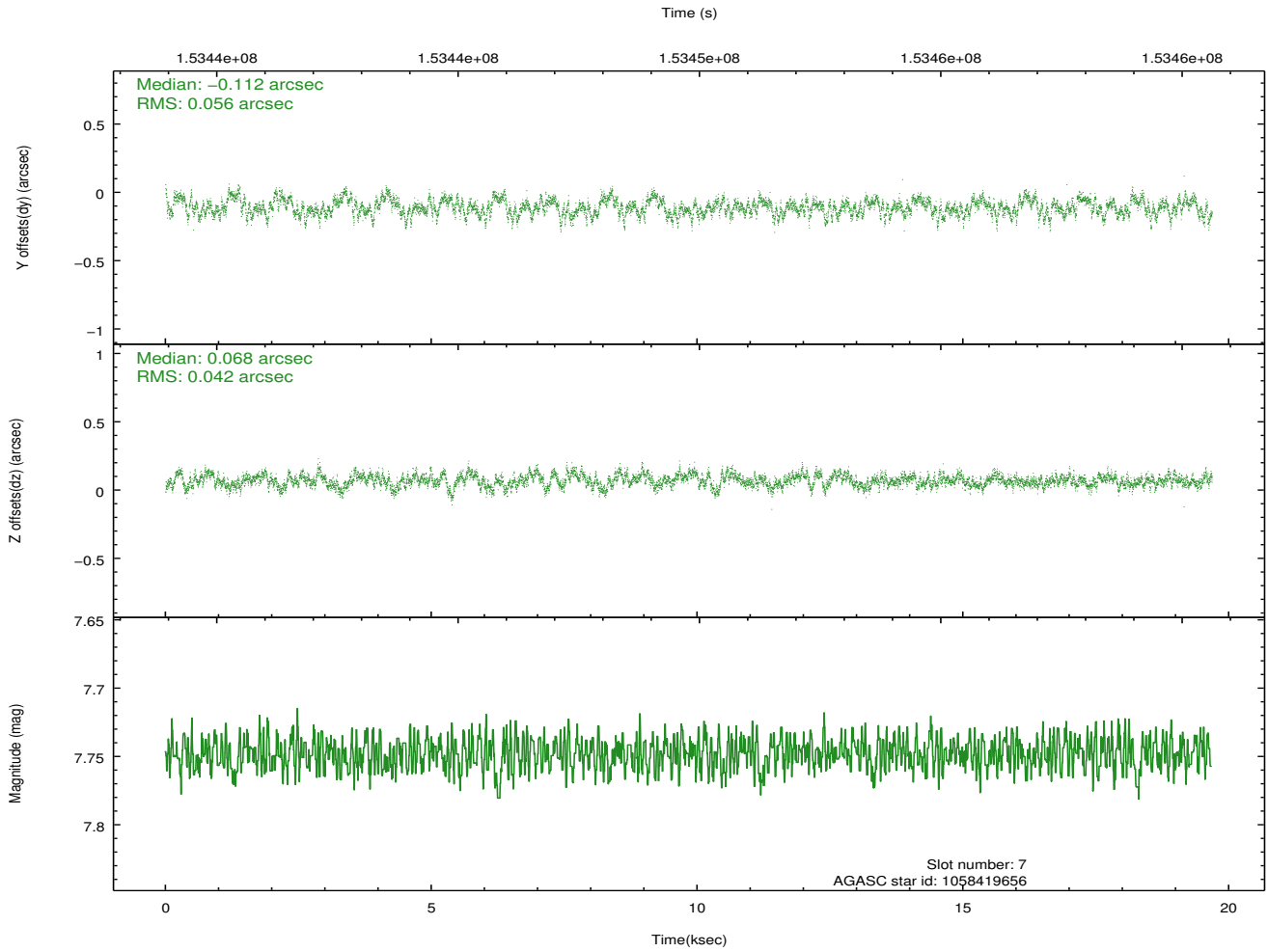
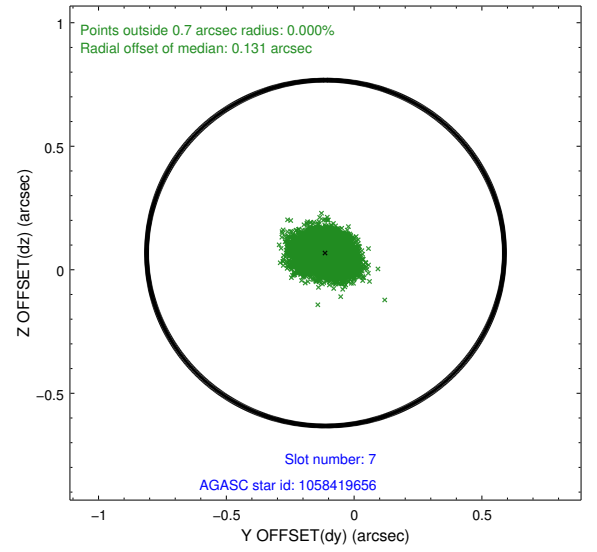
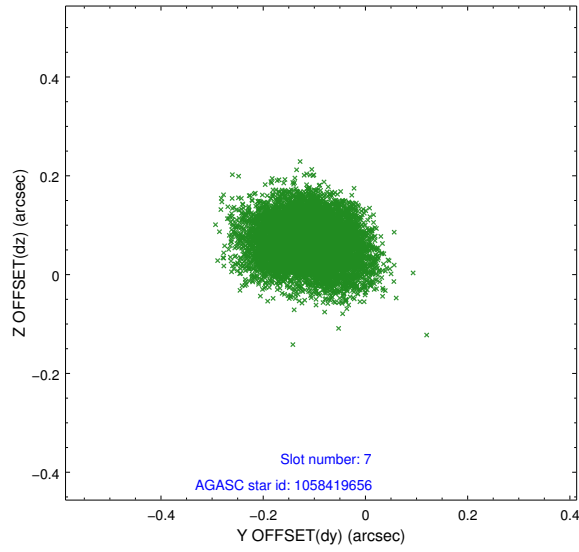
2.4.3 Slot 5



2.4.4 Slot 6

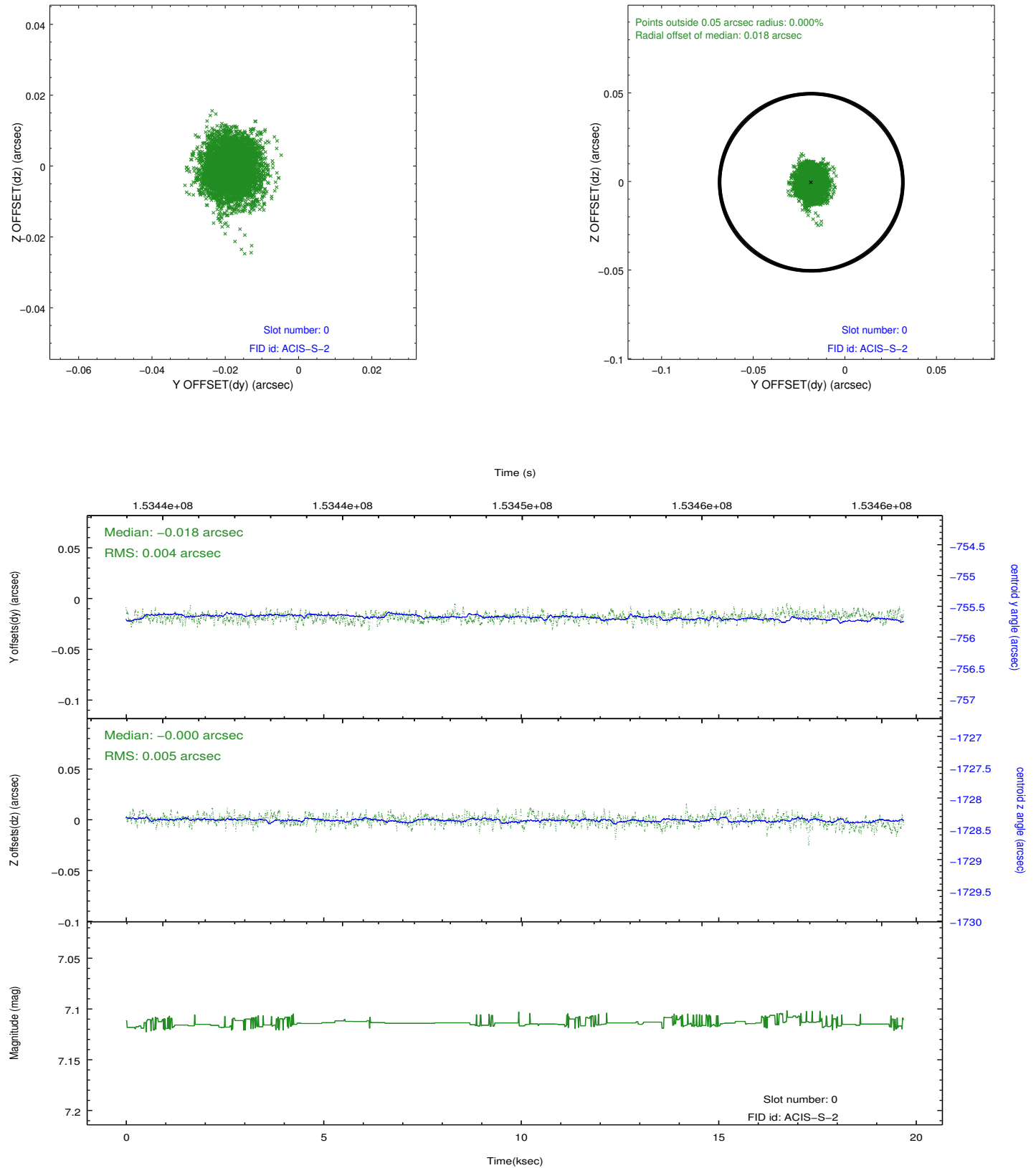


2.4.5 Slot 7

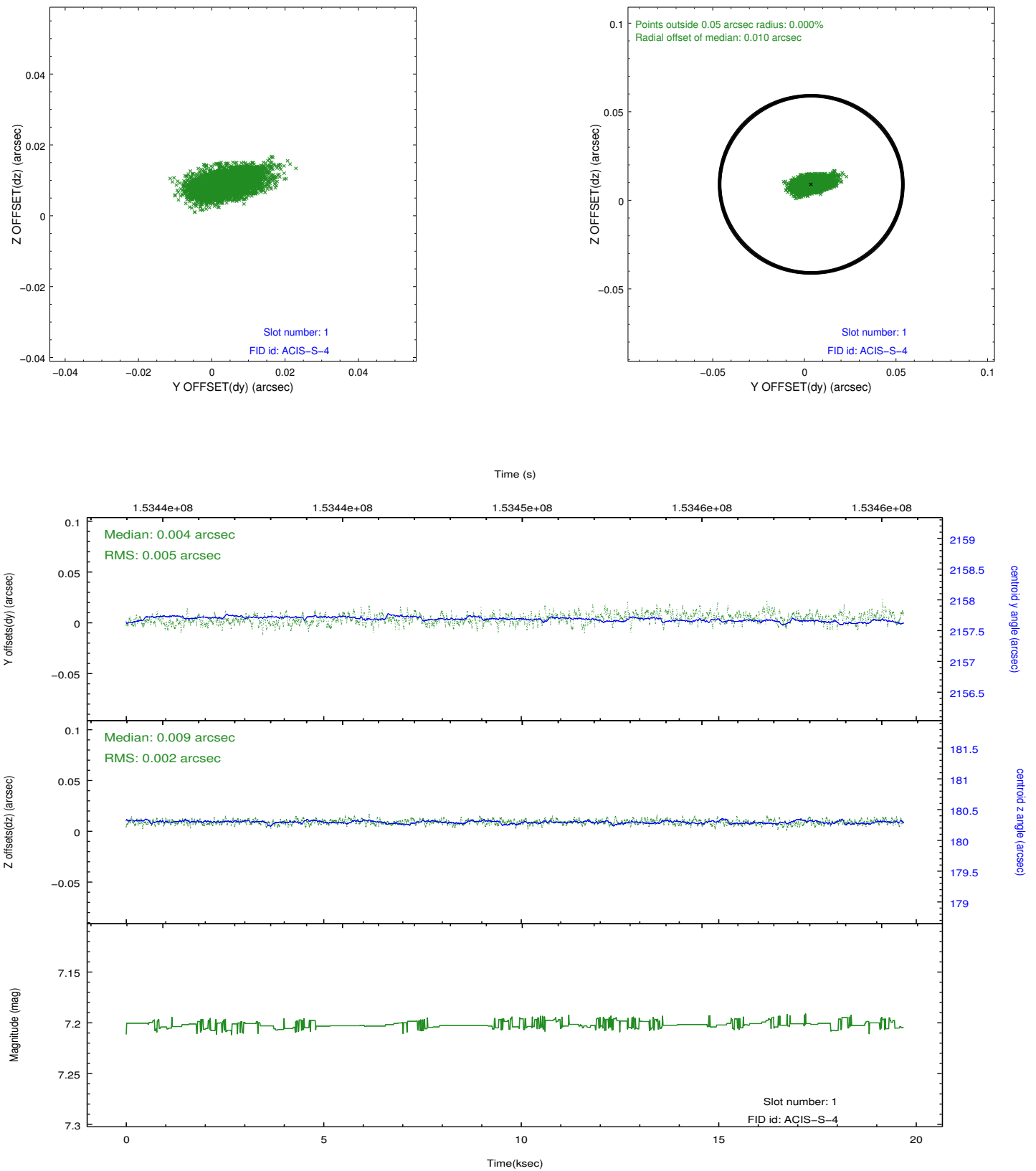


2.5 FID Slots

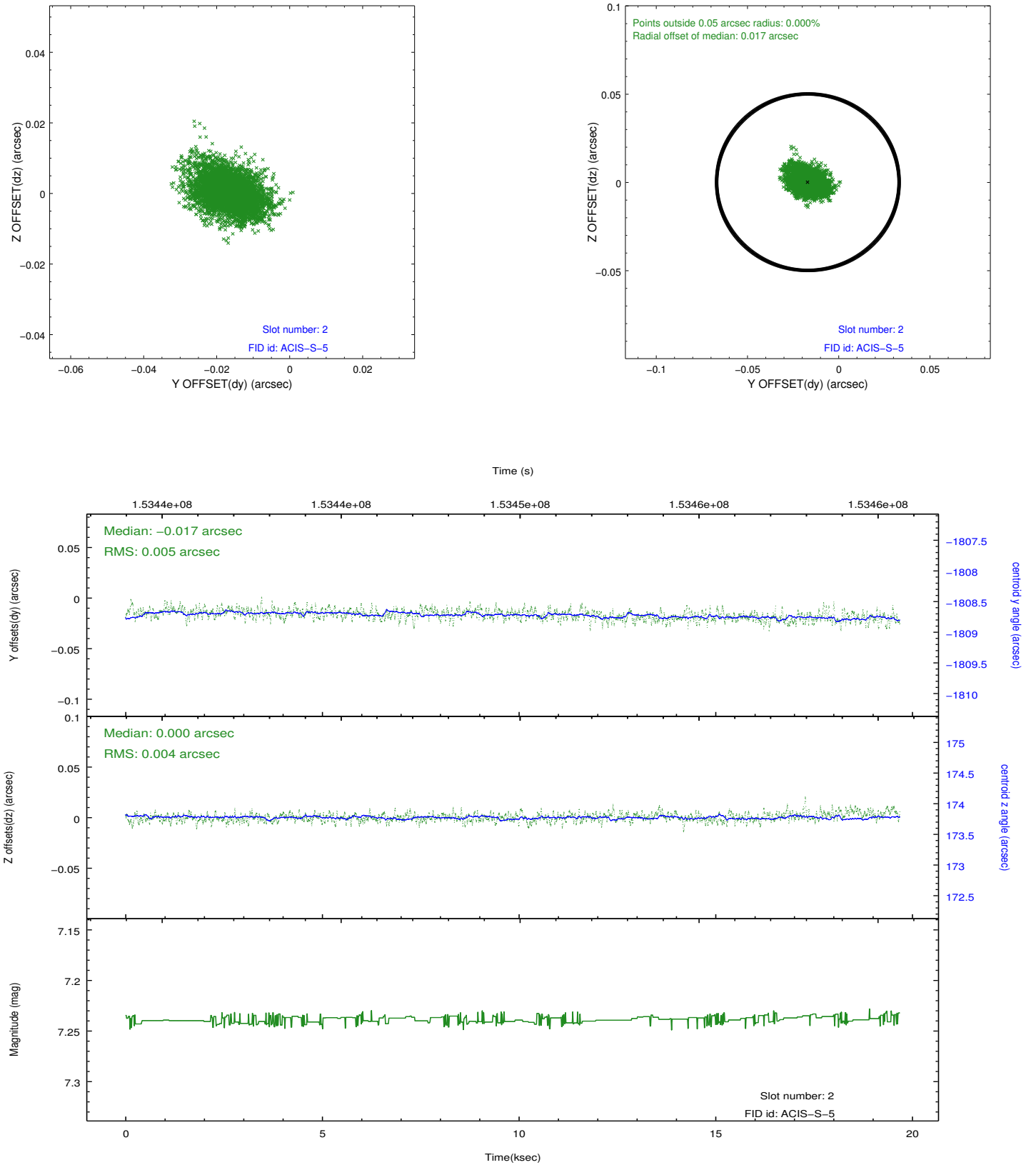
2.5.1 Slot 0



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)	2012.10.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.625

A.2 Comments