

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3316 - L2 Version 3
Chandra X-Ray Center

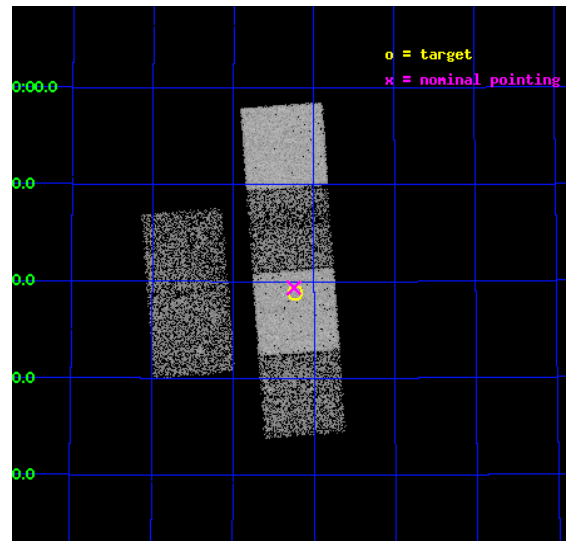
L2 Processing Date : Sep 26 2012

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1 Front

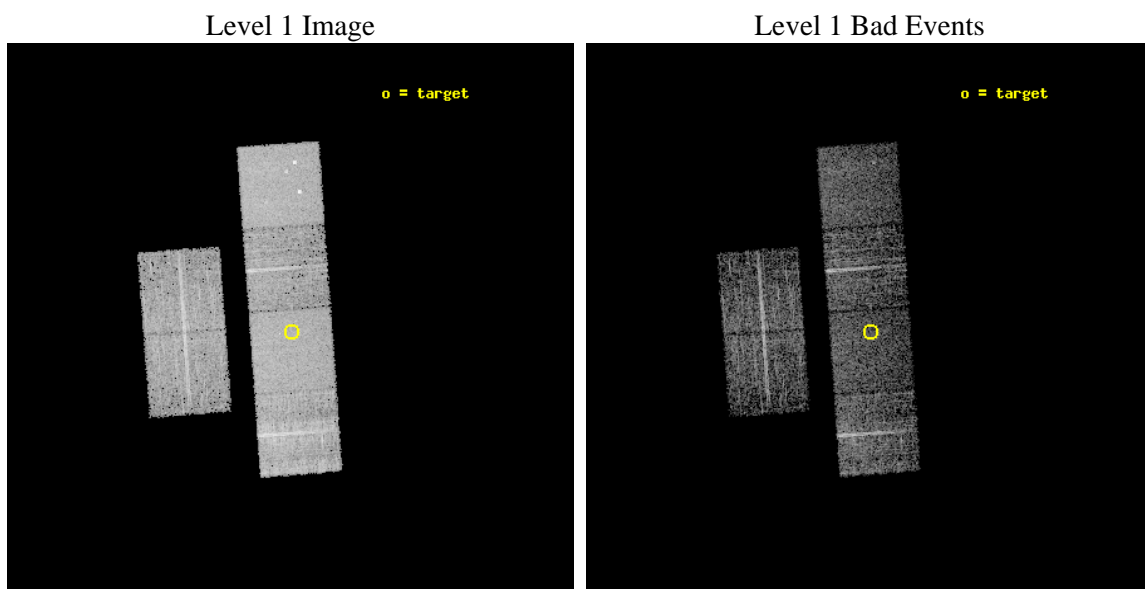
seq_num	900155	Sequence number
obs_id	3316	Observation id
title	THE SHEEP SURVEY: WHAT KIND OF OBJECTS MAKE THE X-RAY BACKGROUND?	
observer	Prof Kirpal Nandra	Principal investigator
object	AX J0836.2+5538	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	129.057917	Observer's specified target RA [deg]
dec_targ	55.646667	Observer's specified target Dec [deg]
ra_nom	129.06217481654	Nominal RA [deg]
dec_nom	55.656135580282	Nominal Dec [deg]
roll_nom	85.808490381096	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4447.205450967	Sum of GTIs [s]
livetime	4390.8922577612	Livetime [s]
ontime2	4447.2464909703	Sum of GTIs [s]
ontime3	4447.082330972	Sum of GTIs [s]
ontime5	4447.1644109637	Sum of GTIs [s]
ontime6	4447.1233709753	Sum of GTIs [s]
ontime7	4447.205450967	Sum of GTIs [s]
ontime8	4447.0412909687	Sum of GTIs [s]
l2events	55084	Number of level 2 events



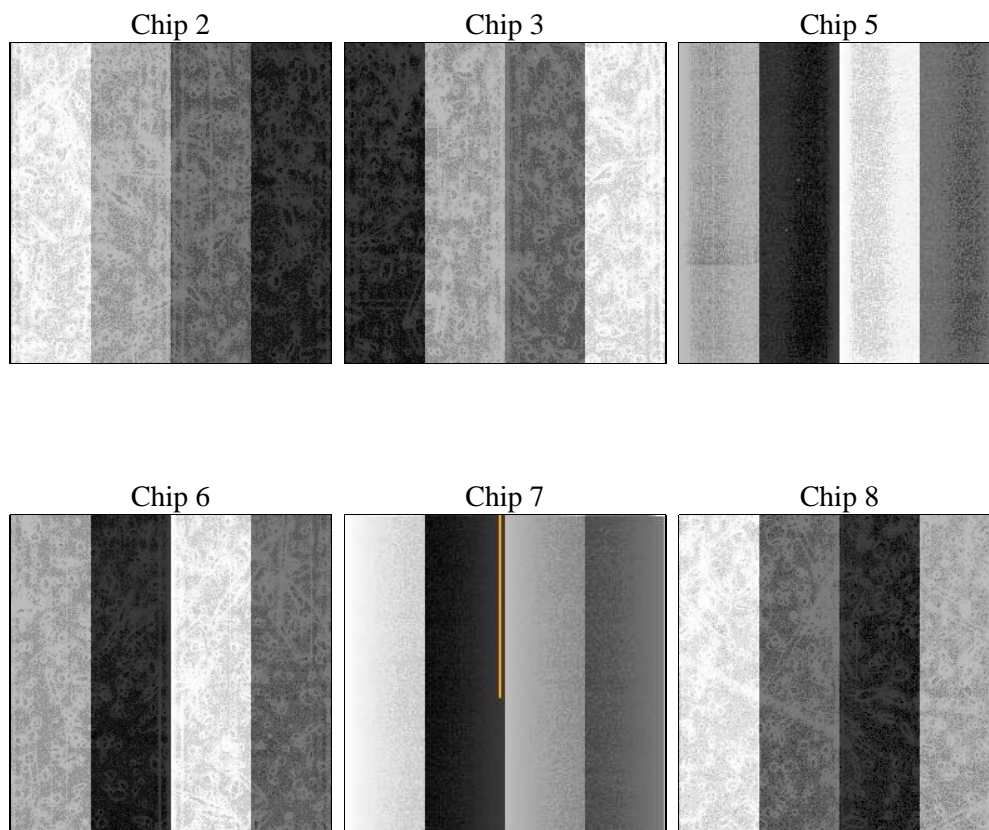
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	4500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4447.205450967	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	4447.2464909703	Sum of GTIs [s]
date	2012-09-27T01:32:36	Date and time of file creation	ontime3	4447.082330972	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4447.1644109637	Sum of GTIs [s]
			ontime6	4447.1233709753	Sum of GTIs [s]
			ontime7	4447.205450967	Sum of GTIs [s]
			ontime8	4447.0412909687	Sum of GTIs [s]
			l1events	220177	Number of level 1 events

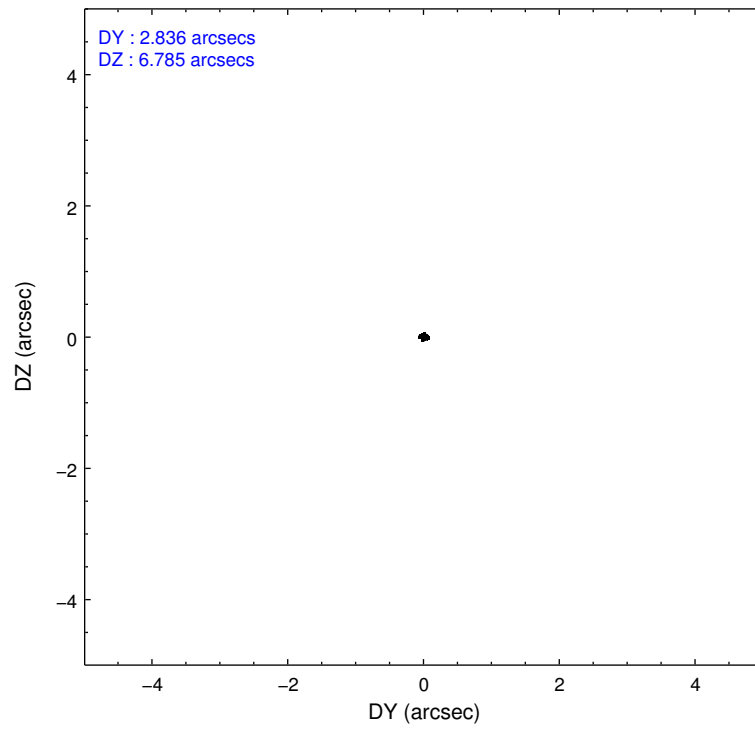
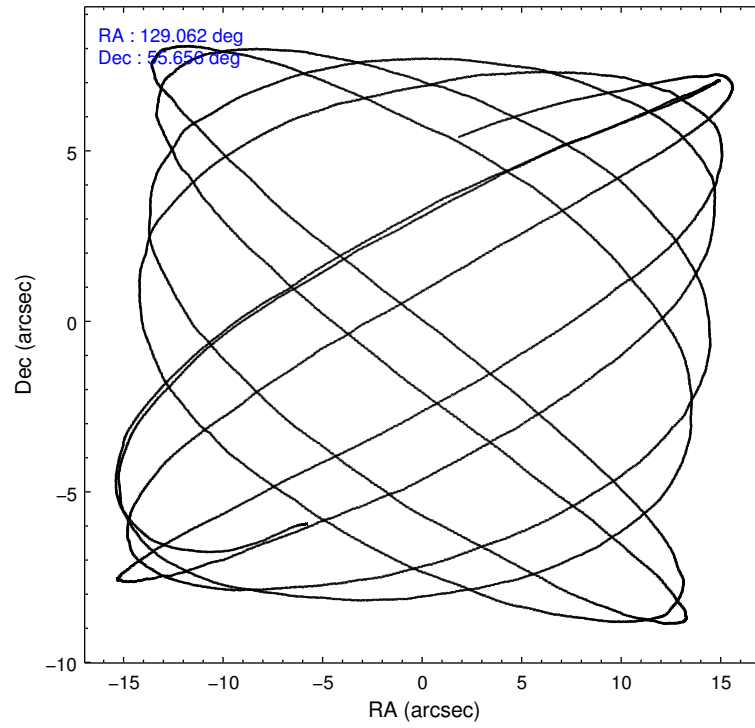
2.1.4 Events

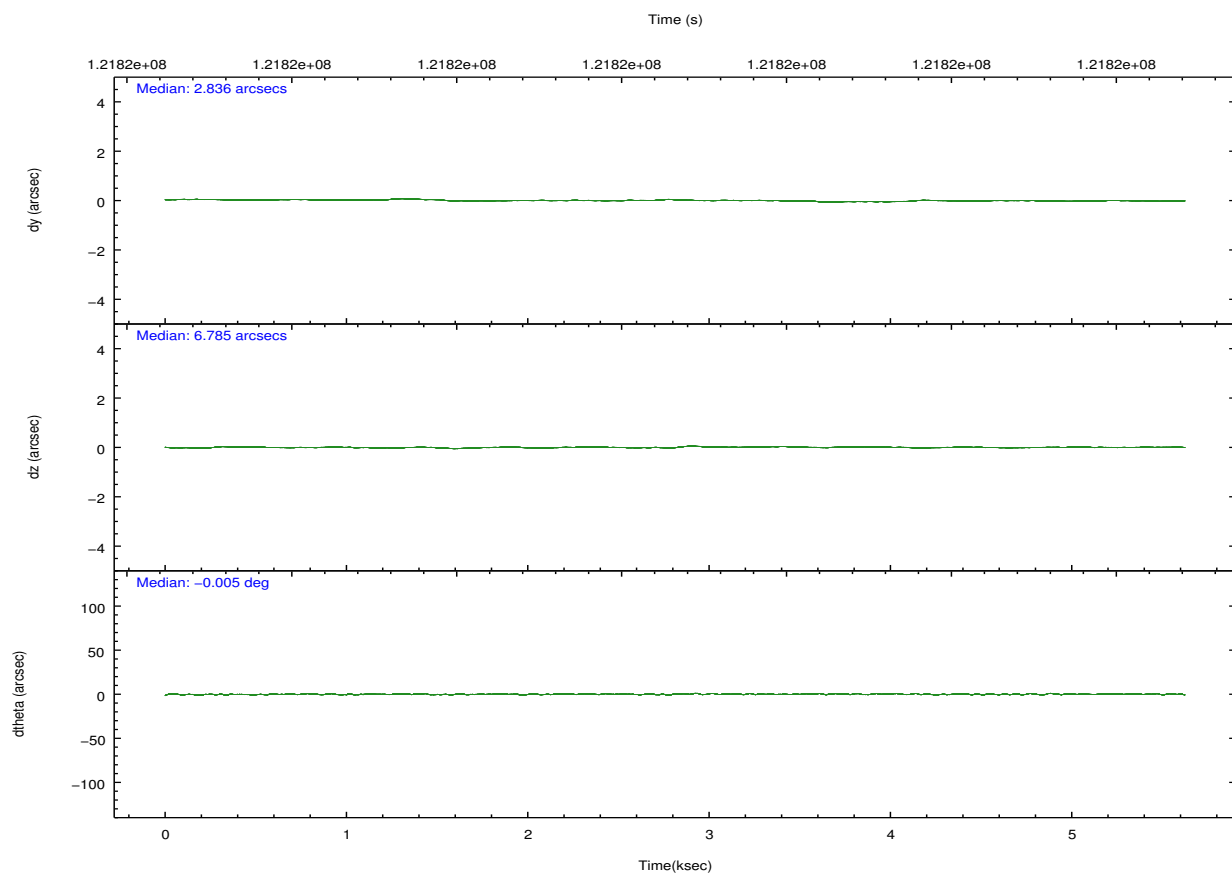
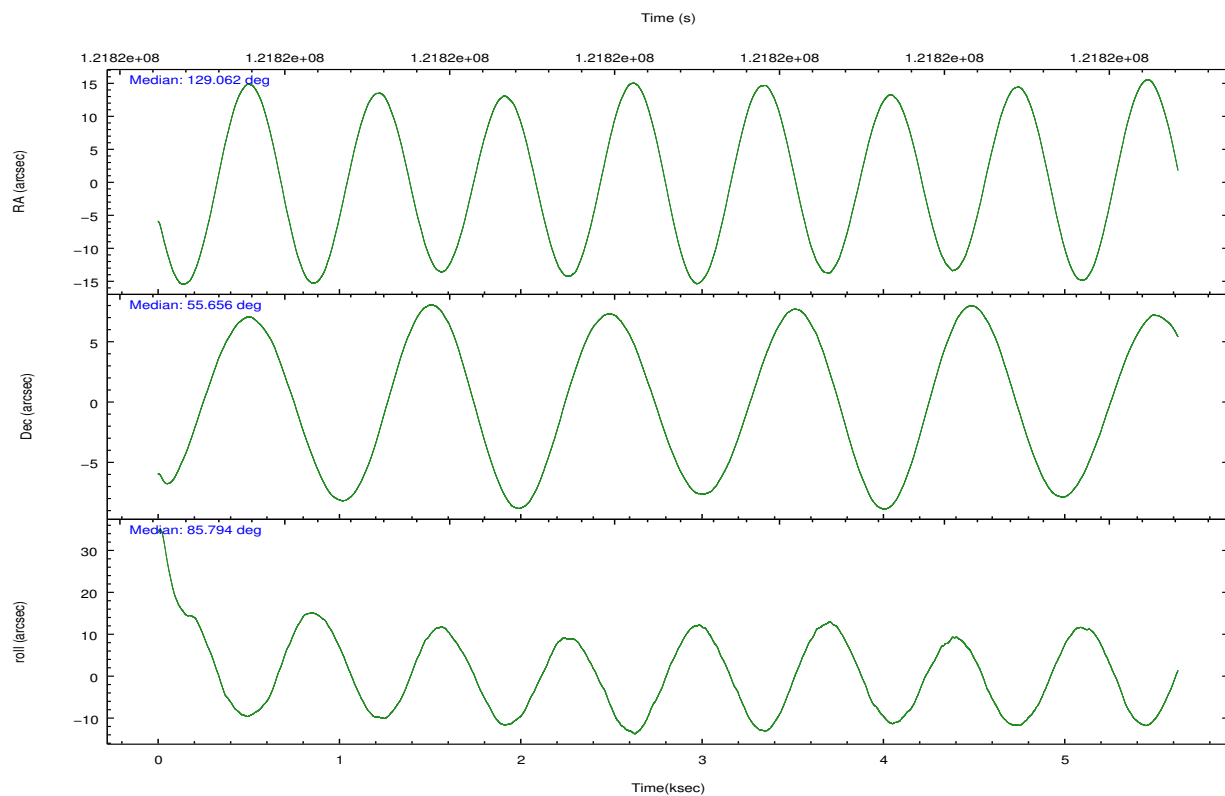
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	31307	29458	45241	29574	40215	44382	grade 0 events	1844	1860	3031	1974	1916	4808
rejected events	27016	25135	22662	25090	21097	30061		5%	6%	6%	6%	4%	10%
rejected %	86%	85%	50%	84%	52%	67%	grade 1 events	18	14	63	15	32	32
								0%	0%	0%	0%	0%	0%
							grade 2 events	1034	1096	6493	1077	3743	2649
								3%	3%	14%	3%	9%	5%
							grade 3 events	282	314	949	305	1587	2016
								0%	1%	2%	1%	3%	4%
							grade 4 events	355	346	924	318	1705	1806
								1%	1%	2%	1%	4%	4%
							grade 5 events	1005	1112	2957	1122	3424	1510
								3%	3%	6%	3%	8%	3%
							grade 6 events	779	711	11219	814	10206	3051
								2%	2%	24%	2%	25%	6%
							grade 7 events	25990	24005	19605	23949	17602	28510
								83%	81%	43%	80%	43%	64%

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	129.083733	129.0621748165418	Subarray requested	NONE	NONE
[deg] Pointing Dec	55.631678	55.65613558028213	Alternating exposures requested	N	N
[deg] Pointing Roll	85.634072	85.80849038109596	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	121817637.184000	121816203.64763			
Observation start date	2001-11-10T22:12:53	2001-11-10T21:50:03			
[s] Observation end time (MET)	121822137.184000	121822271.13537			
Observation end date	2001-11-10T23:27:53	2001-11-10T23:31:11			
Read mode	TIMED	TIMED			

2.3 Aspect



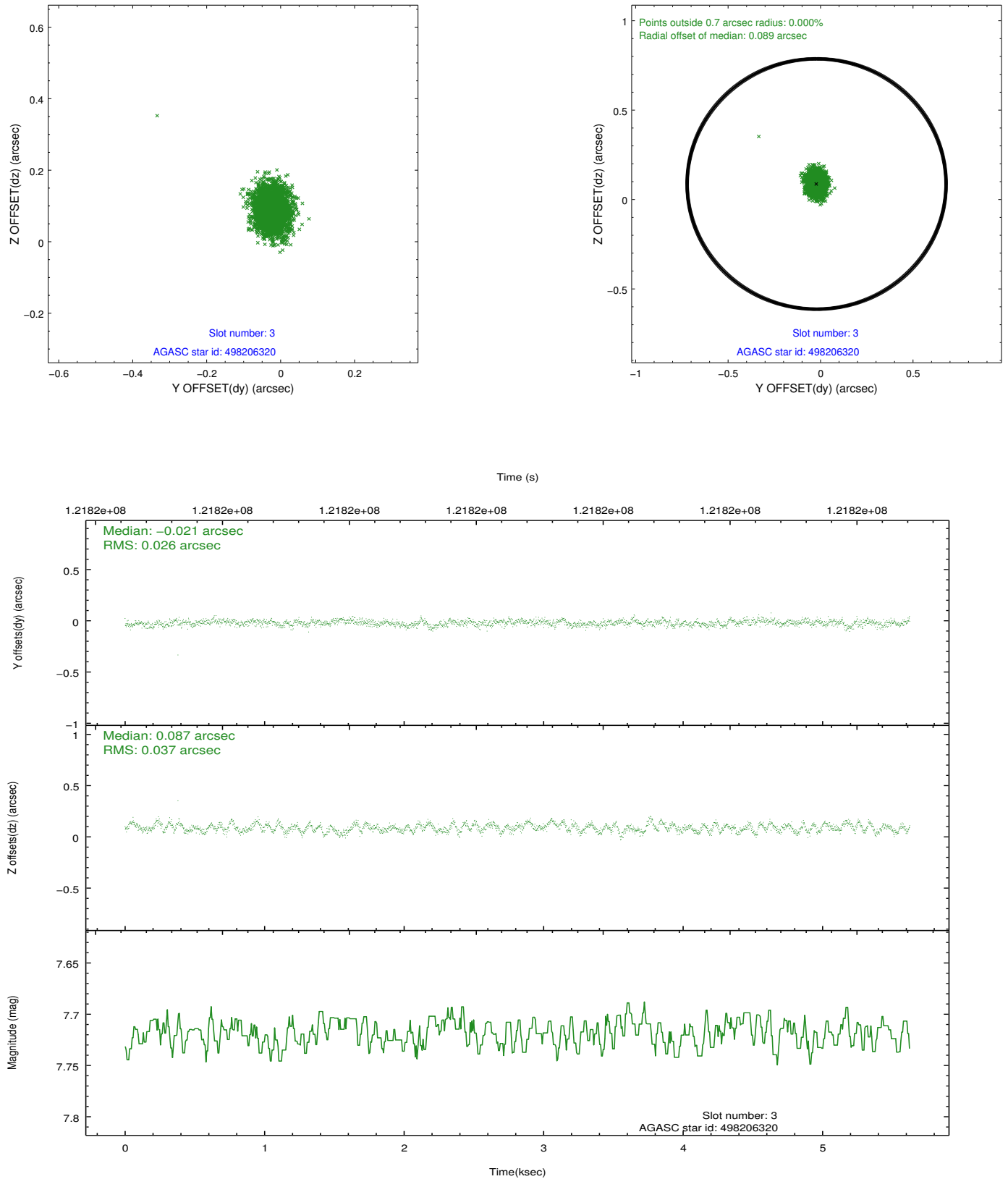


Slot Statistics

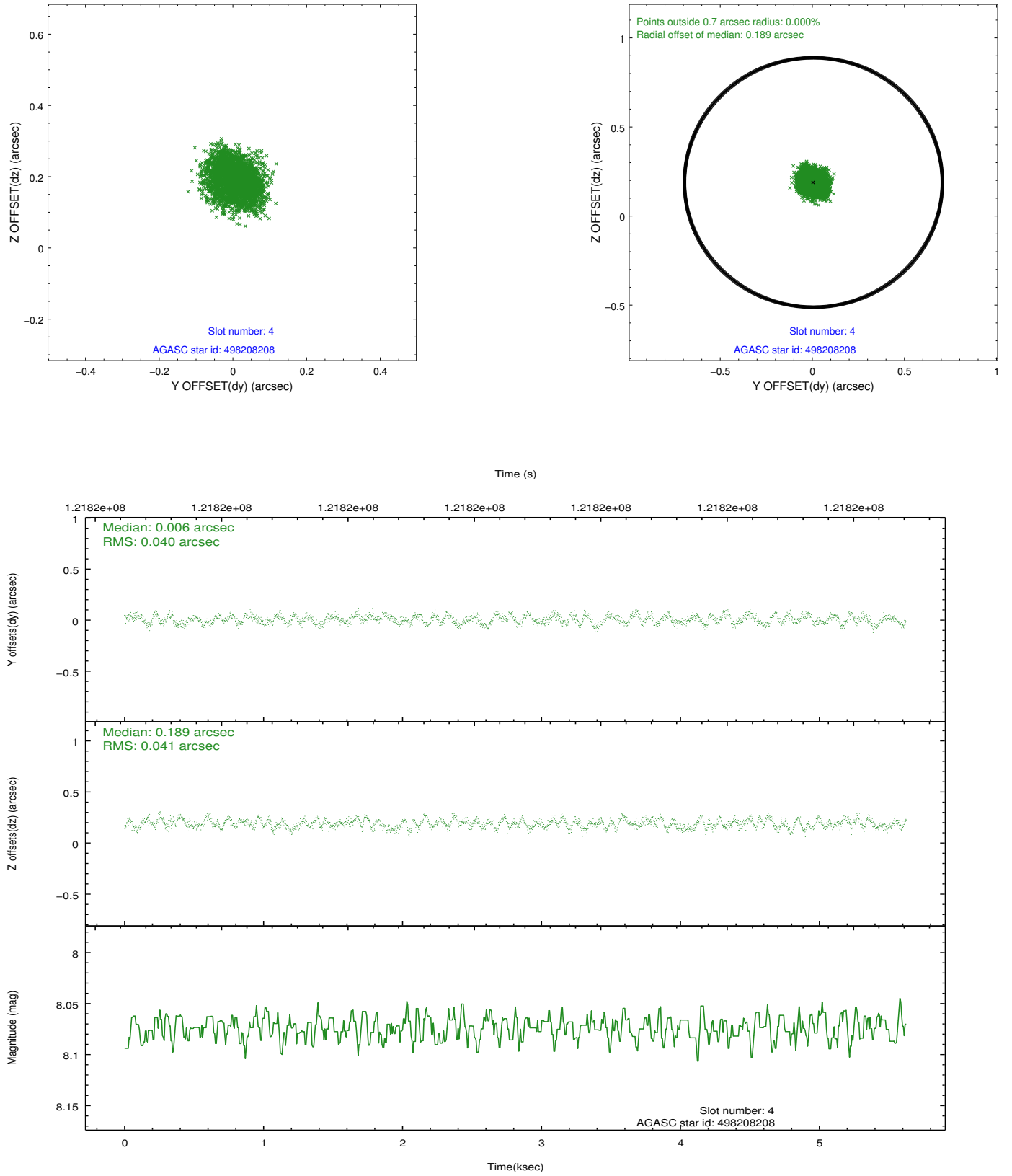
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1372	-0.020	0.015	0.007	0.011	0.000000	0.000000	-755.48	-1727.94
1	FID	ACIS-S-4	7.20	1372	-0.037	0.006	0.006	0.010	0.000000	0.000000	2157.28	179.46
2	FID	ACIS-S-5	7.24	1372	0.026	-0.012	0.006	0.011	0.000000	0.000000	-1806.92	174.30
3	GUIDE	498206320	7.72	2745	-0.021	0.087	0.047	0.076	129.264284	55.839214	775.05	-307.87
4	GUIDE	498208208	8.07	2745	0.006	0.189	0.062	0.094	130.175717	55.667734	317.51	-2199.97
5	GUIDE	498206776	9.18	2745	-0.004	0.217	0.104	0.168	130.185581	55.785525	741.97	-2181.75
6	GUIDE	498076160	9.95	2744	0.038	-0.060	0.120	0.190	128.113251	56.269618	2157.33	2108.81
7	GUIDE	498075392	8.21	2744	-0.024	-0.424	0.073	0.117	127.928319	55.776476	363.03	2372.94

2.4 Star Slots

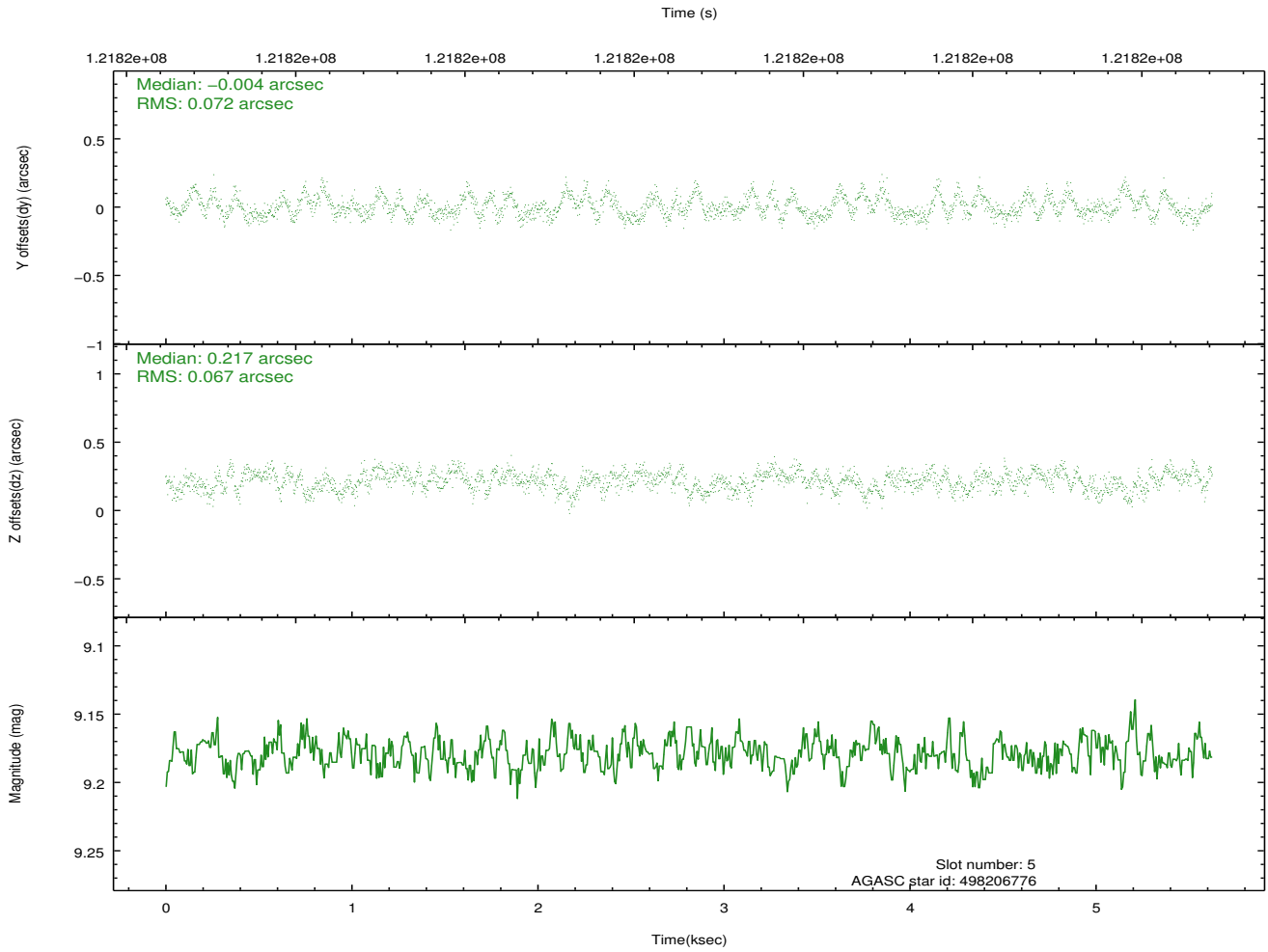
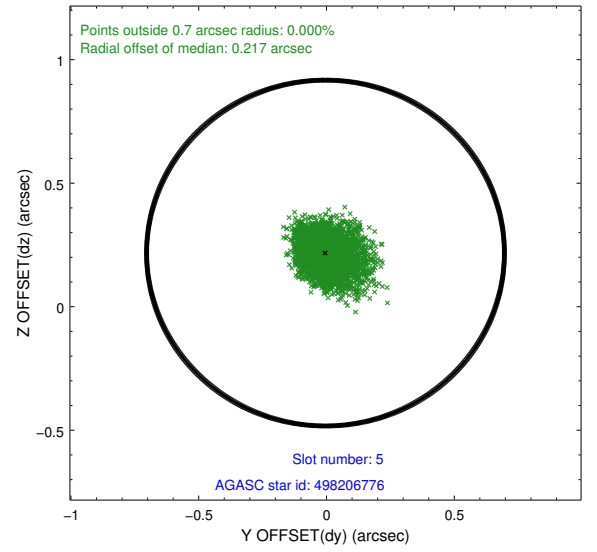
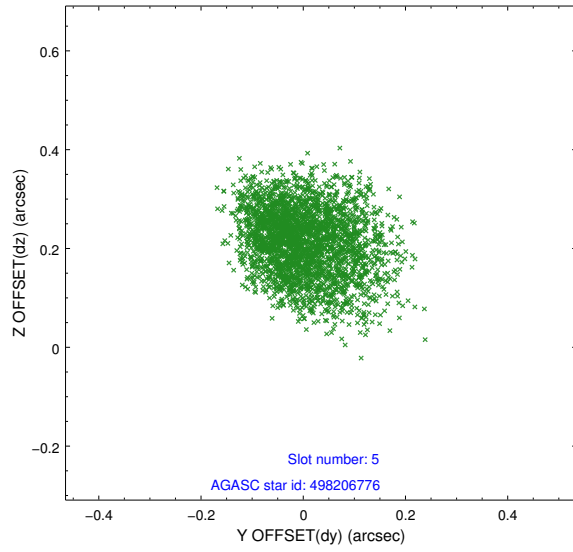
2.4.1 Slot 3



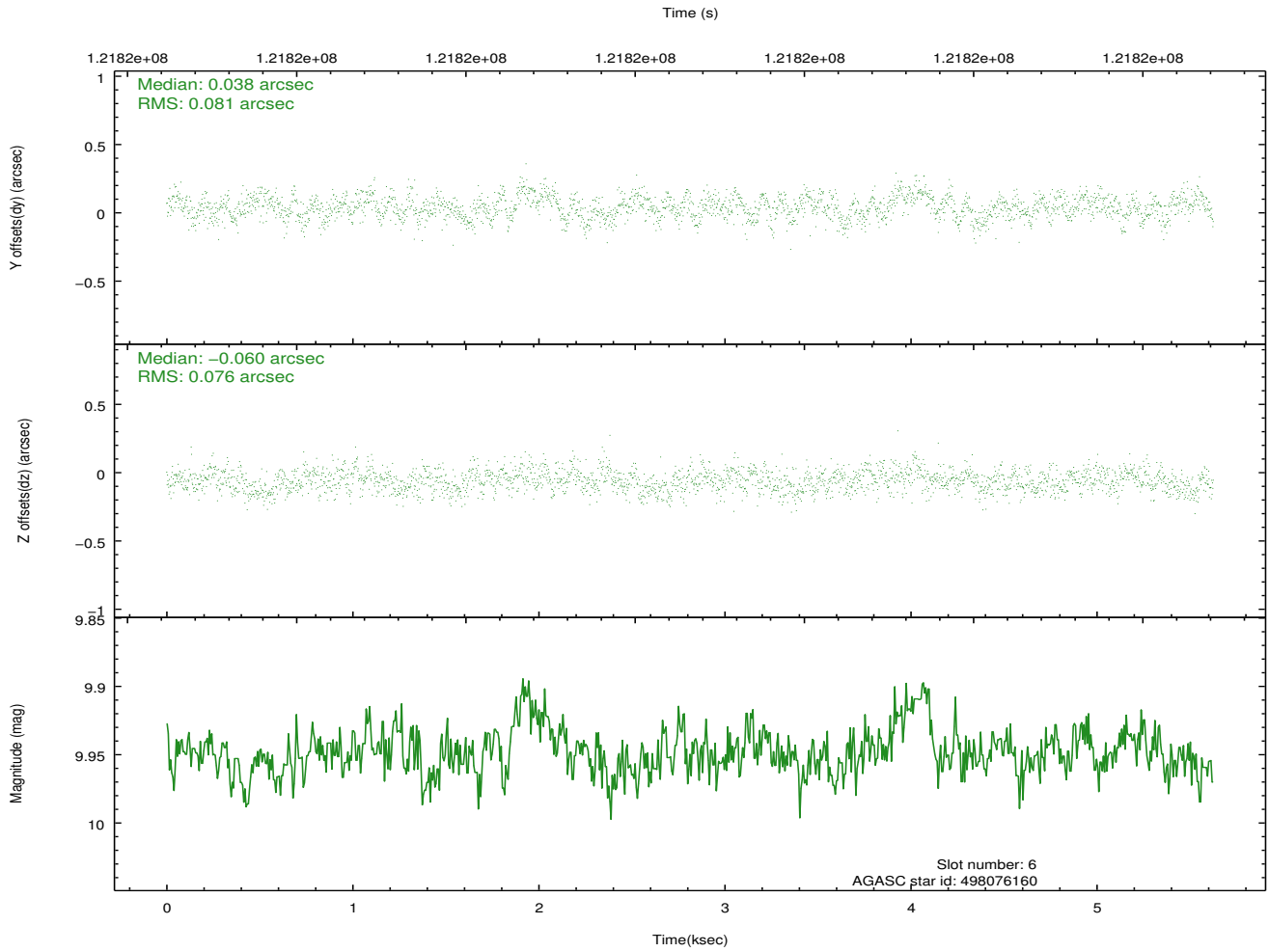
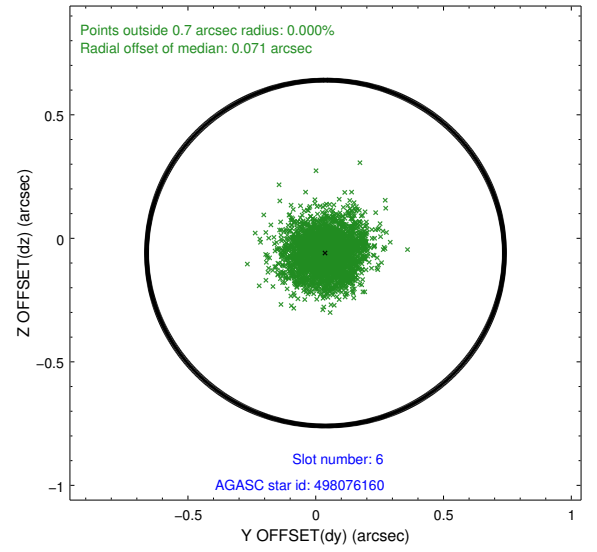
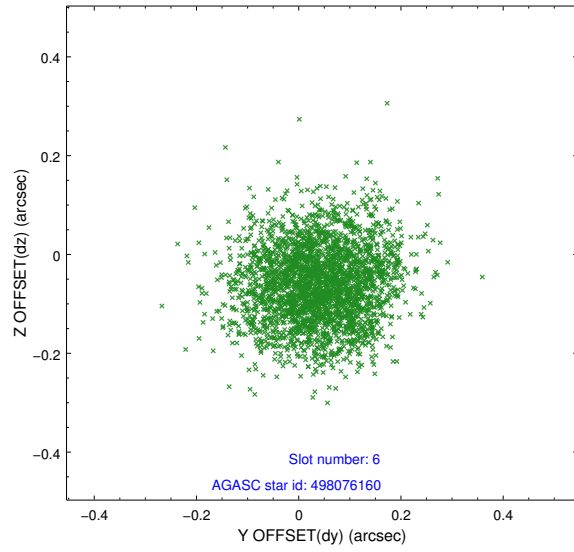
2.4.2 Slot 4



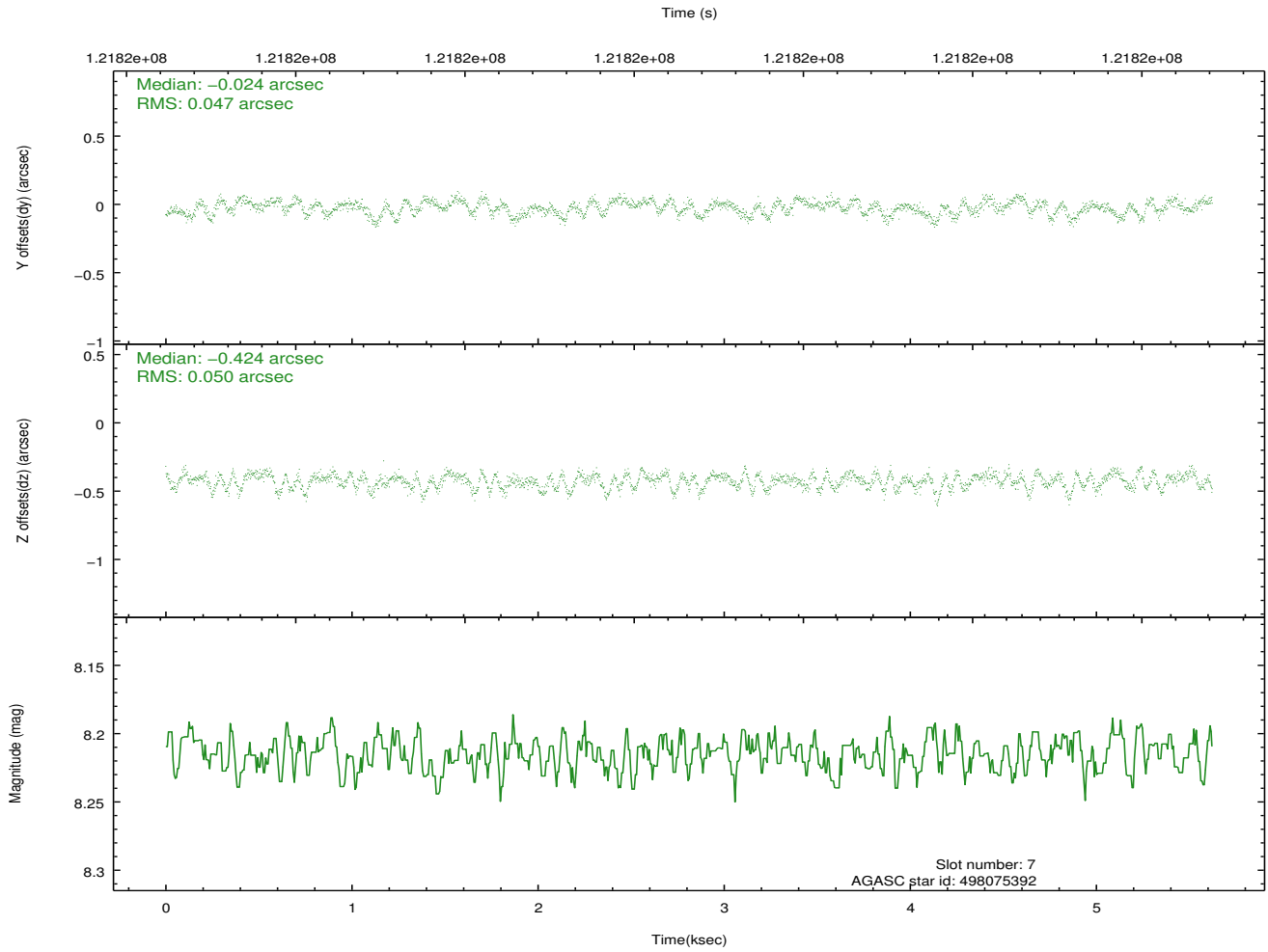
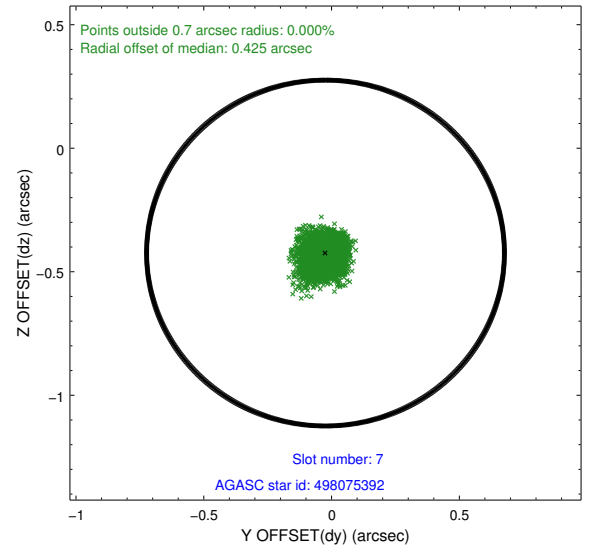
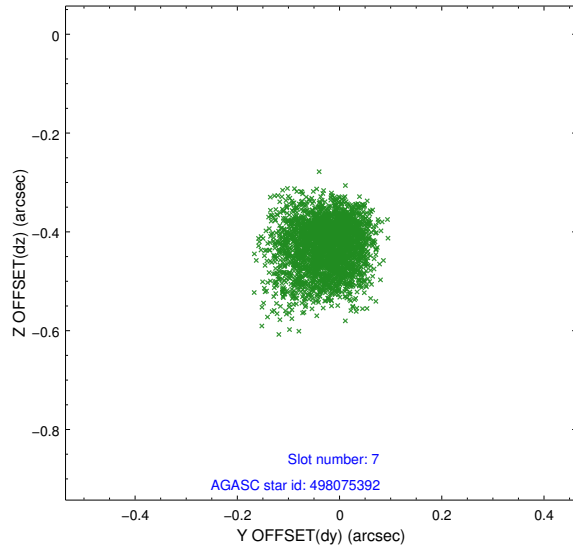
2.4.3 Slot 5



2.4.4 Slot 6

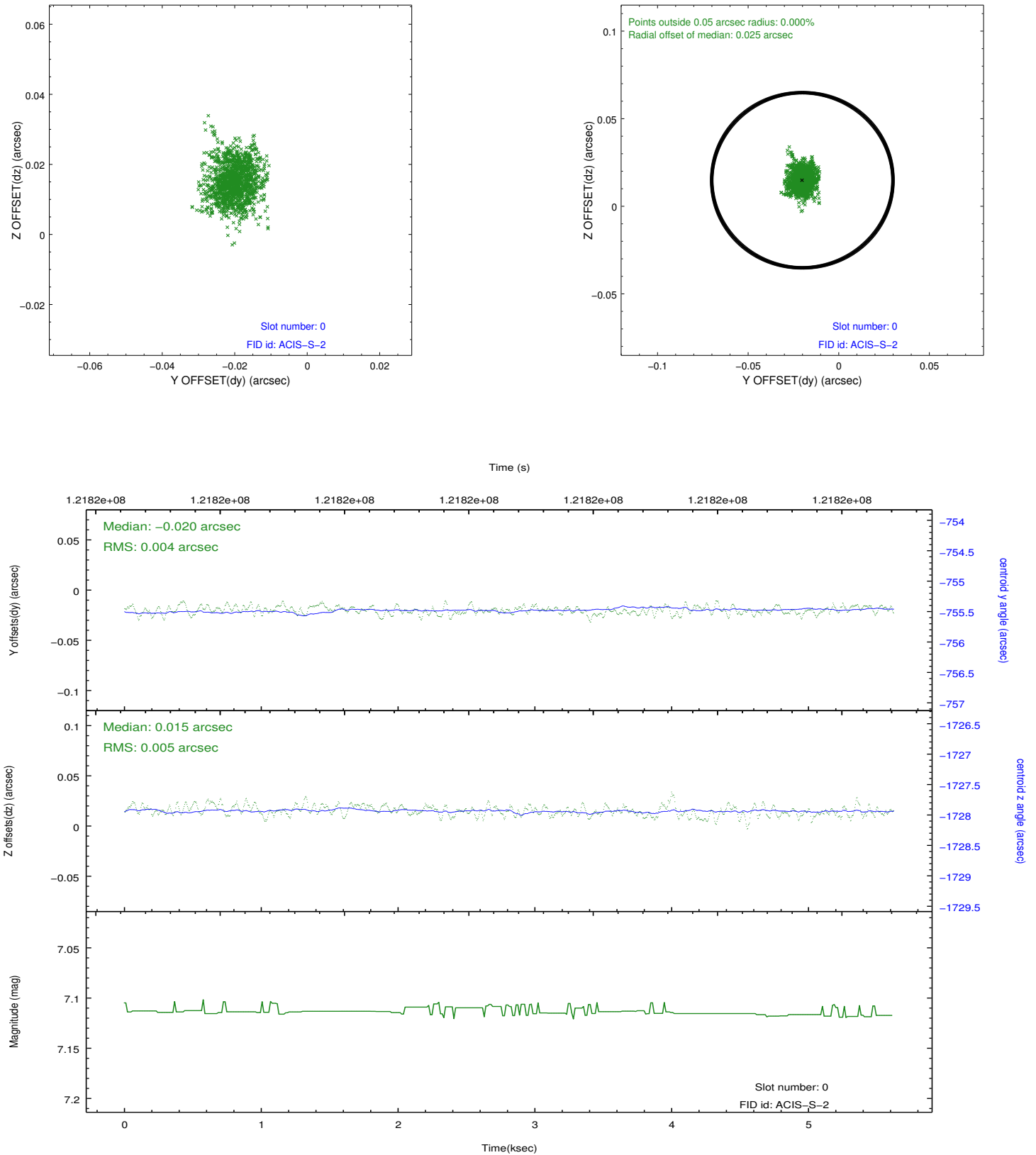


2.4.5 Slot 7

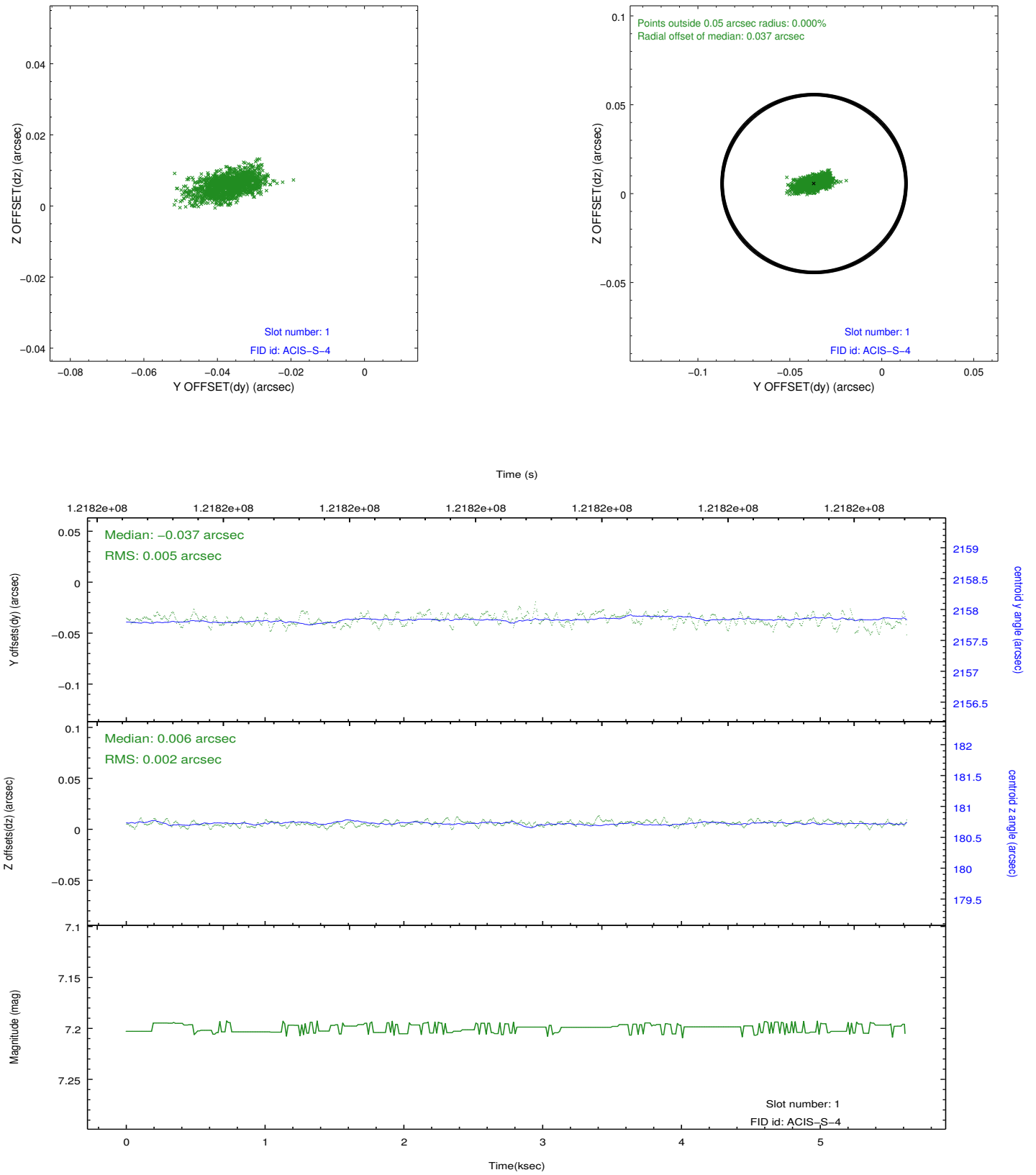


2.5 FID Slots

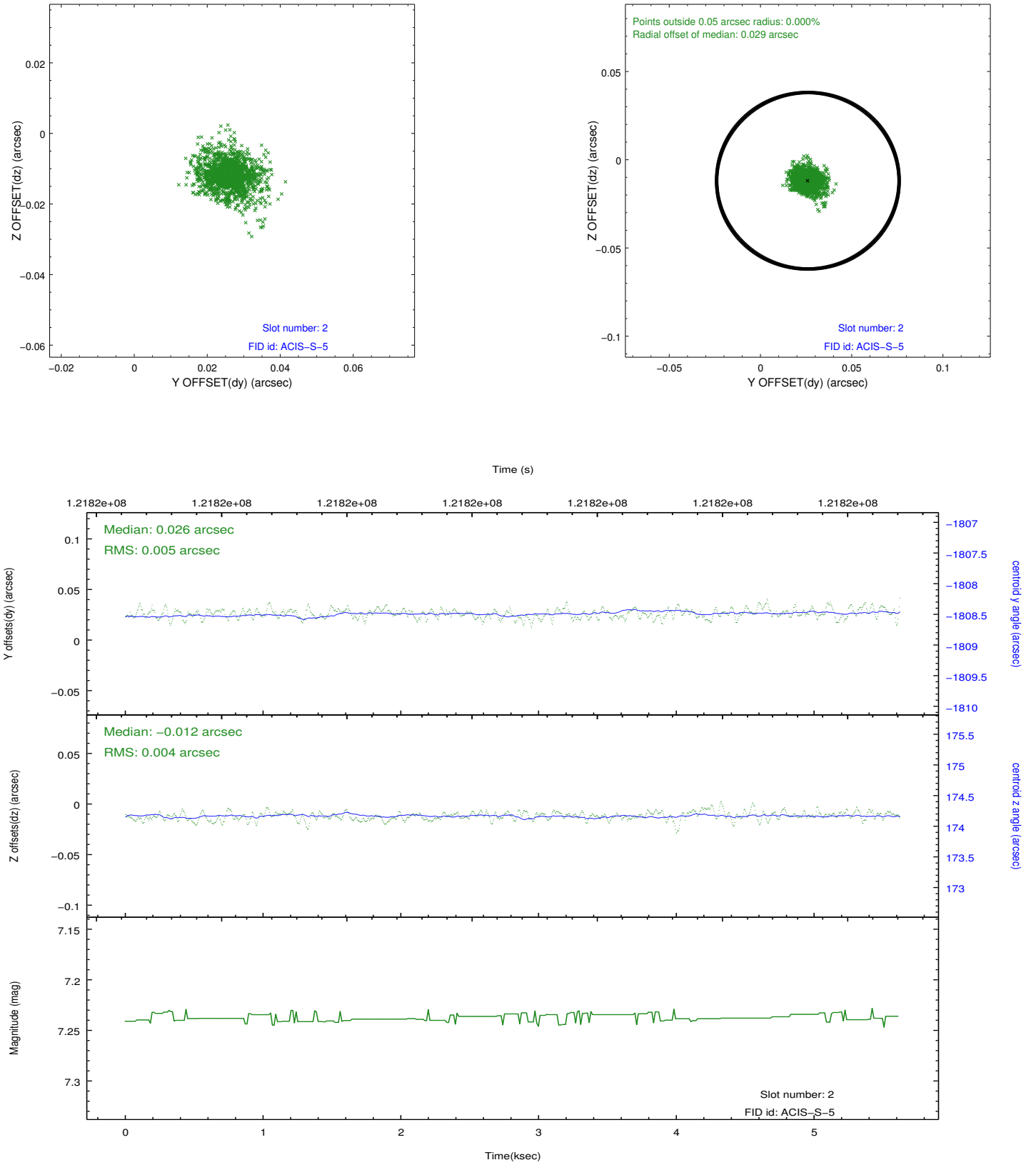
2.5.1 Slot 0



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)	2012.09.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.448

A.2 Comments

Joint proposal with NOAO.