

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 13775 - L2 Version 1
Chandra X-Ray Center

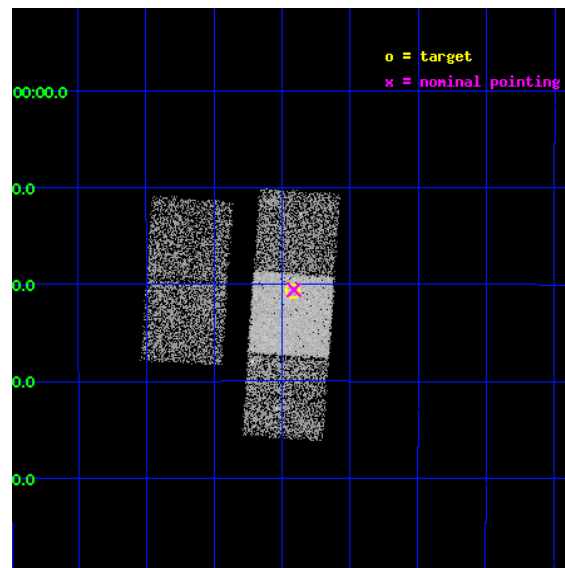
L2 Processing Date : Apr 22 2012

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1 Front

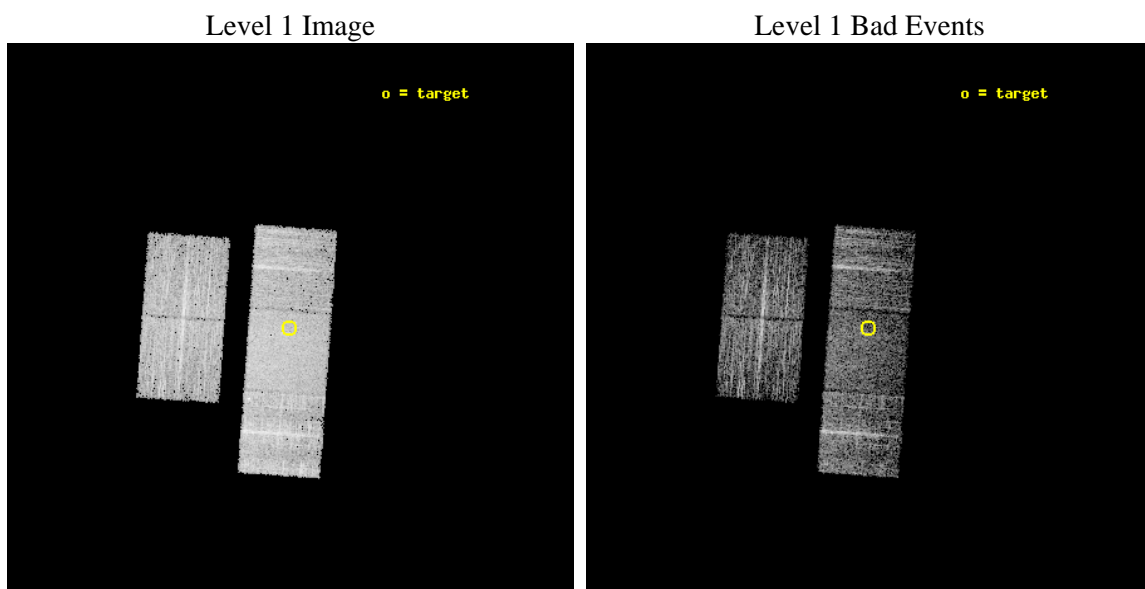
seq_num	501607	Sequence number
obs_id	13775	Observation id
title	Hunting for Anti-magnetars with Chandra	Proposal title
observer	Dr Chi-Yung Ng	Principal investigator
object	PSR J1810-1820	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	272.73125	Observer's specified target RA [deg]
dec_targ	-18.344167	Observer's specified target Dec [deg]
ra_nom	272.72841997044	Nominal RA [deg]
dec_nom	-18.342683052509	Nominal Dec [deg]
roll_nom	94.063278669589	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5067.3096165657	Sum of GTIs [s]
livetime	5001.1014859262	Livetime [s]
ontime2	5067.1454565525	Sum of GTIs [s]
ontime3	5064.0865662694	Sum of GTIs [s]
ontime6	5067.2685765624	Sum of GTIs [s]
ontime7	5067.3096165657	Sum of GTIs [s]
ontime8	5067.1864965558	Sum of GTIs [s]
l2events	31762	Number of level 2 events



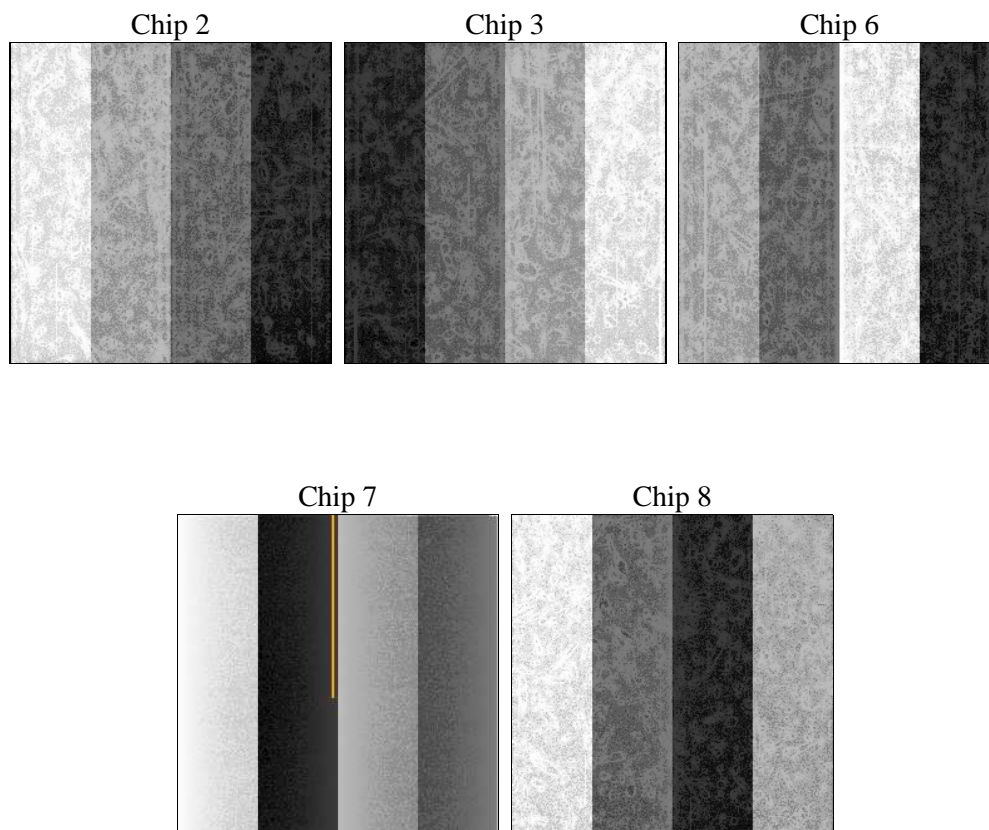
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5067.3096165657	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	5067.1454565525	Sum of GTIs [s]
date	2012-04-22T16:56:15	Date and time of file creation	ontime3	5064.0865662694	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5067.2685765624	Sum of GTIs [s]
			ontime7	5067.3096165657	Sum of GTIs [s]
			ontime8	5067.1864965558	Sum of GTIs [s]
			l1events	172805	Number of level 1 events

2.1.4 Events

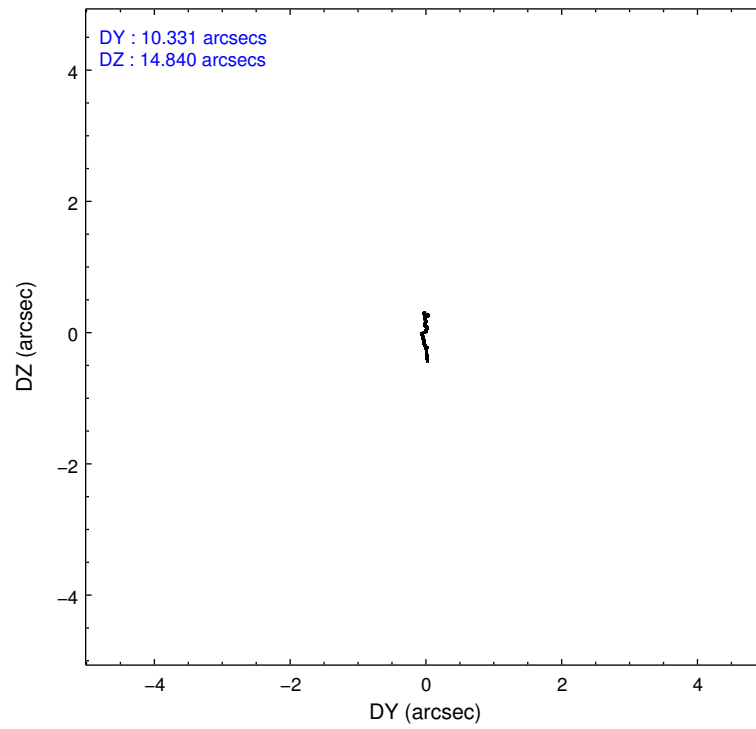
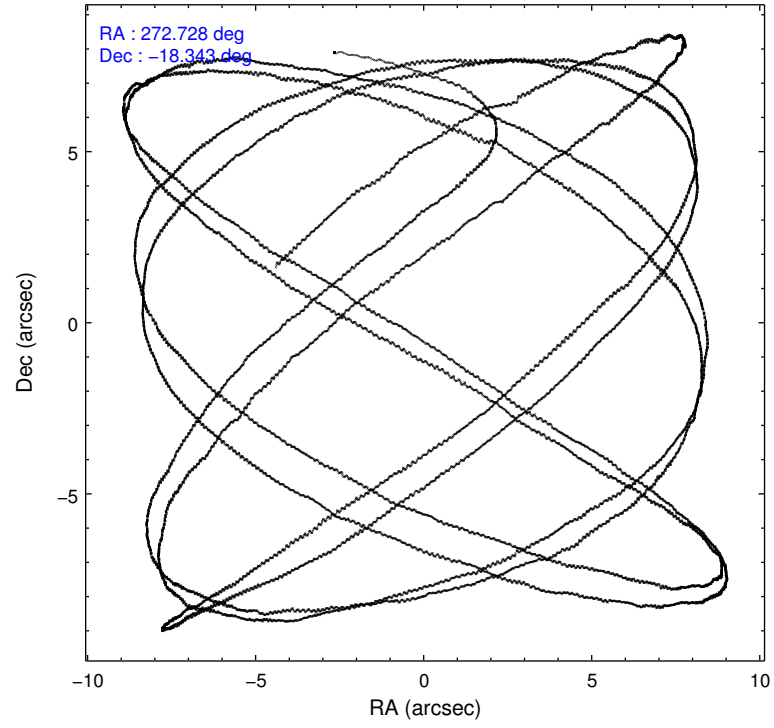
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	29835	31559	29785	40286	41340
rejected events	26181	27875	25757	22225	29693
rejected %	87%	88%	86%	55%	71%

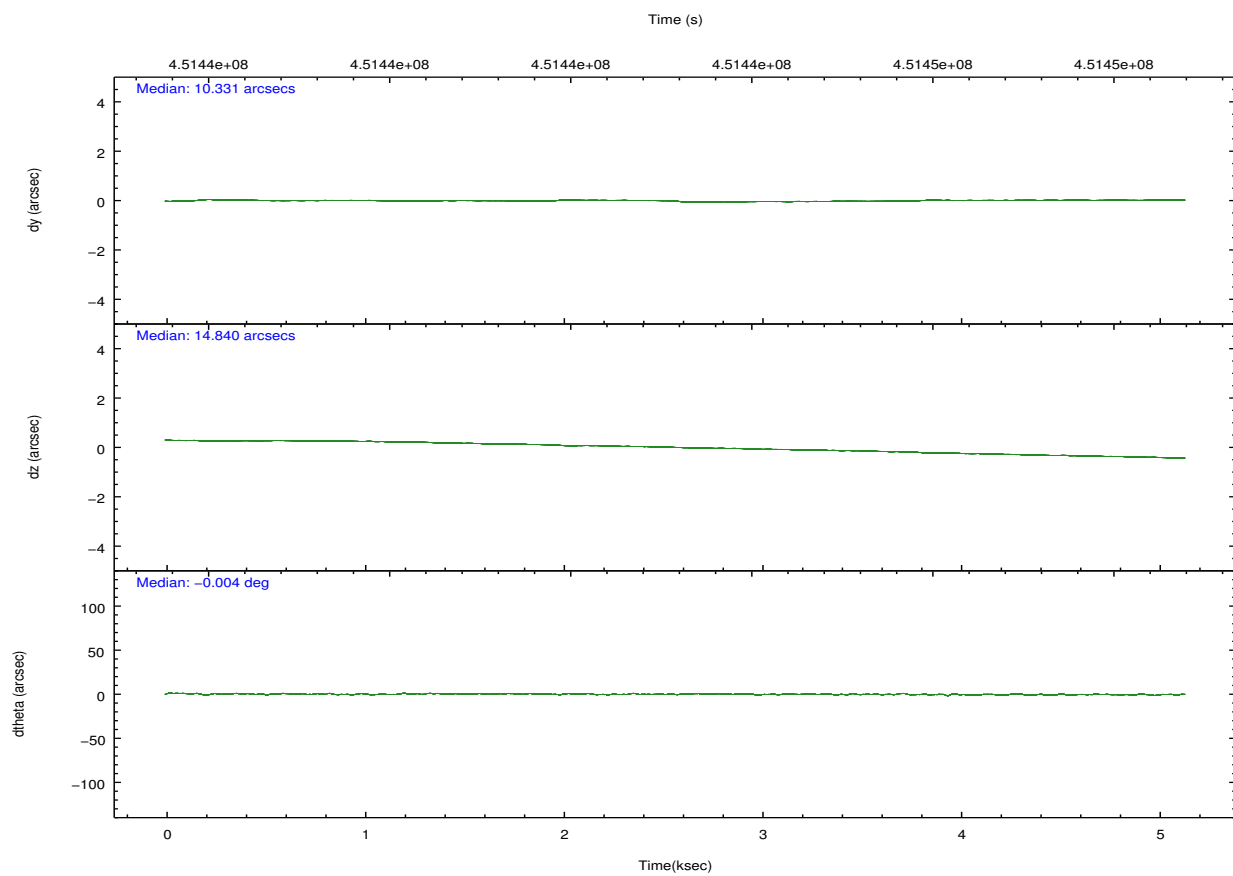
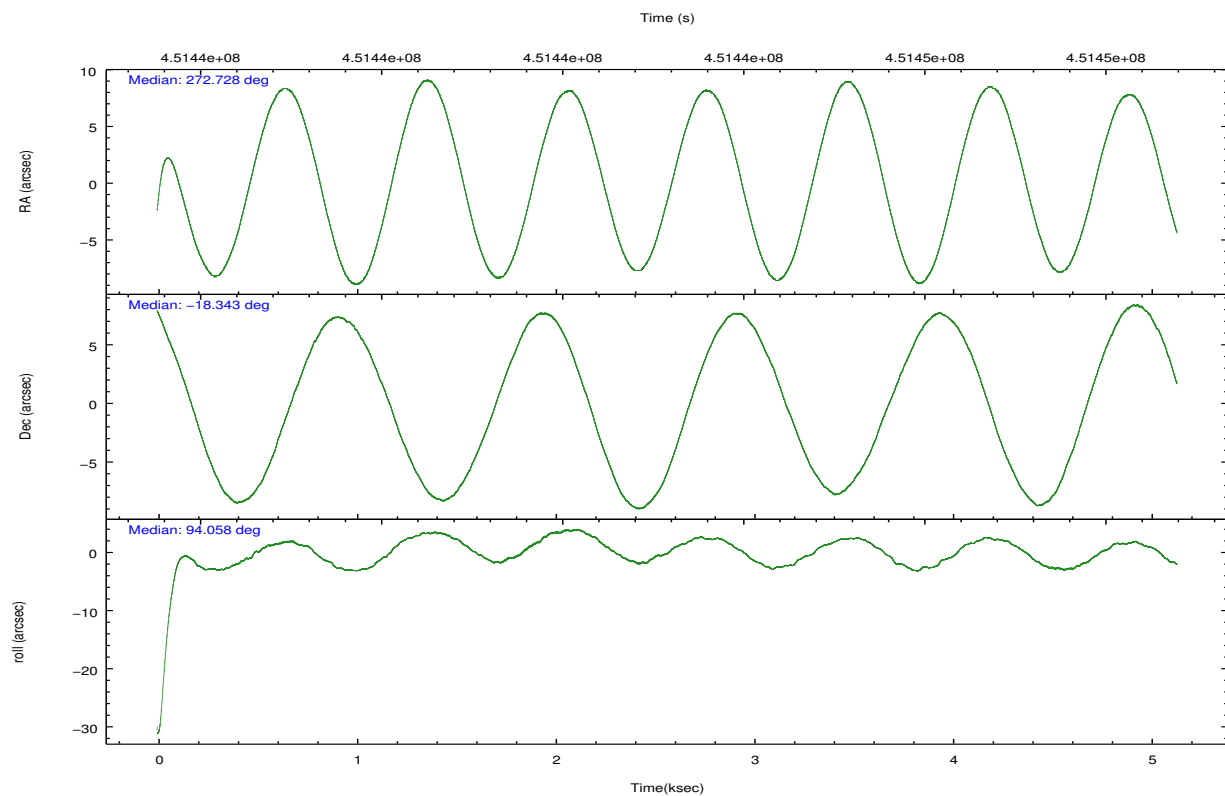
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1404	1443	1509	1678	3785
	4%	4%	5%	4%	9%
grade 1 events	24	14	17	41	35
	0%	0%	0%	0%	0%
grade 2 events	922	762	886	3709	2620
	3%	2%	2%	9%	6%
grade 3 events	338	383	400	1633	1168
	1%	1%	1%	4%	2%
grade 4 events	344	414	399	1616	1134
	1%	1%	1%	4%	2%
grade 5 events	1188	1503	1493	4128	2146
	3%	4%	5%	10%	5%
grade 6 events	651	689	843	9448	2967
	2%	2%	2%	23%	7%
grade 7 events	24964	26351	24238	18033	27485
	83%	83%	81%	44%	66%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	272.744909	272.7284199704406	Subarray requested	NONE	NONE
[deg] Pointing Dec	-18.365167	-18.34268305250907	Alternating exposures requested	N	N
[deg] Pointing Roll	93.911913	94.06327866958945	[s] Primary exposure time	0.000000	3.1
[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)	451442140.184000	451440939.72084			
Observation start date	2012-04-22T00:34:34	2012-04-22T00:15:39			
[s] Observation end time (MET)	451447140.184000	451448647.72125			
Observation end date	2012-04-22T01:57:54	2012-04-22T02:24:07			
Read mode	TIMED	TIMED			

2.3 Aspect



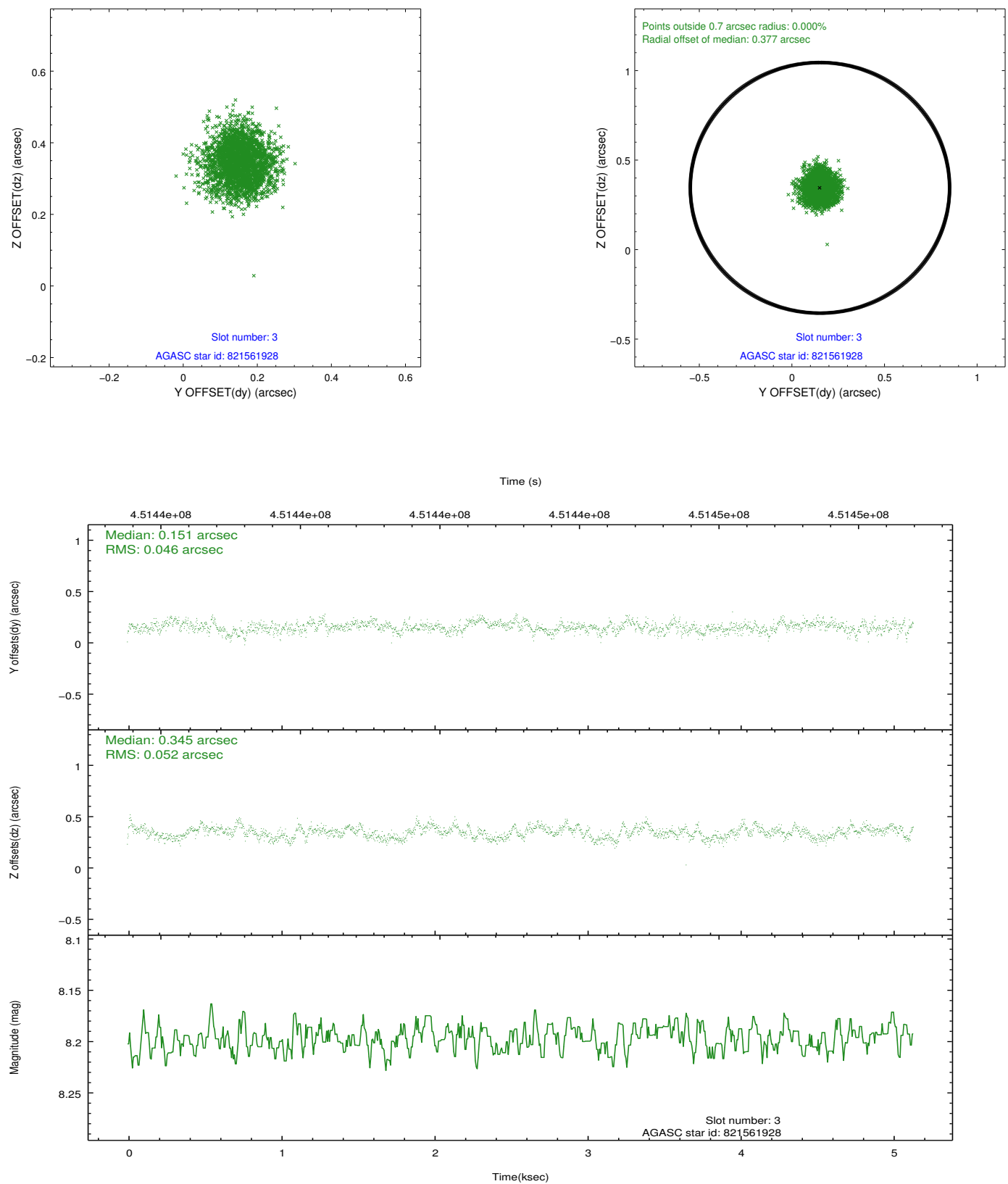


Slot Statistics

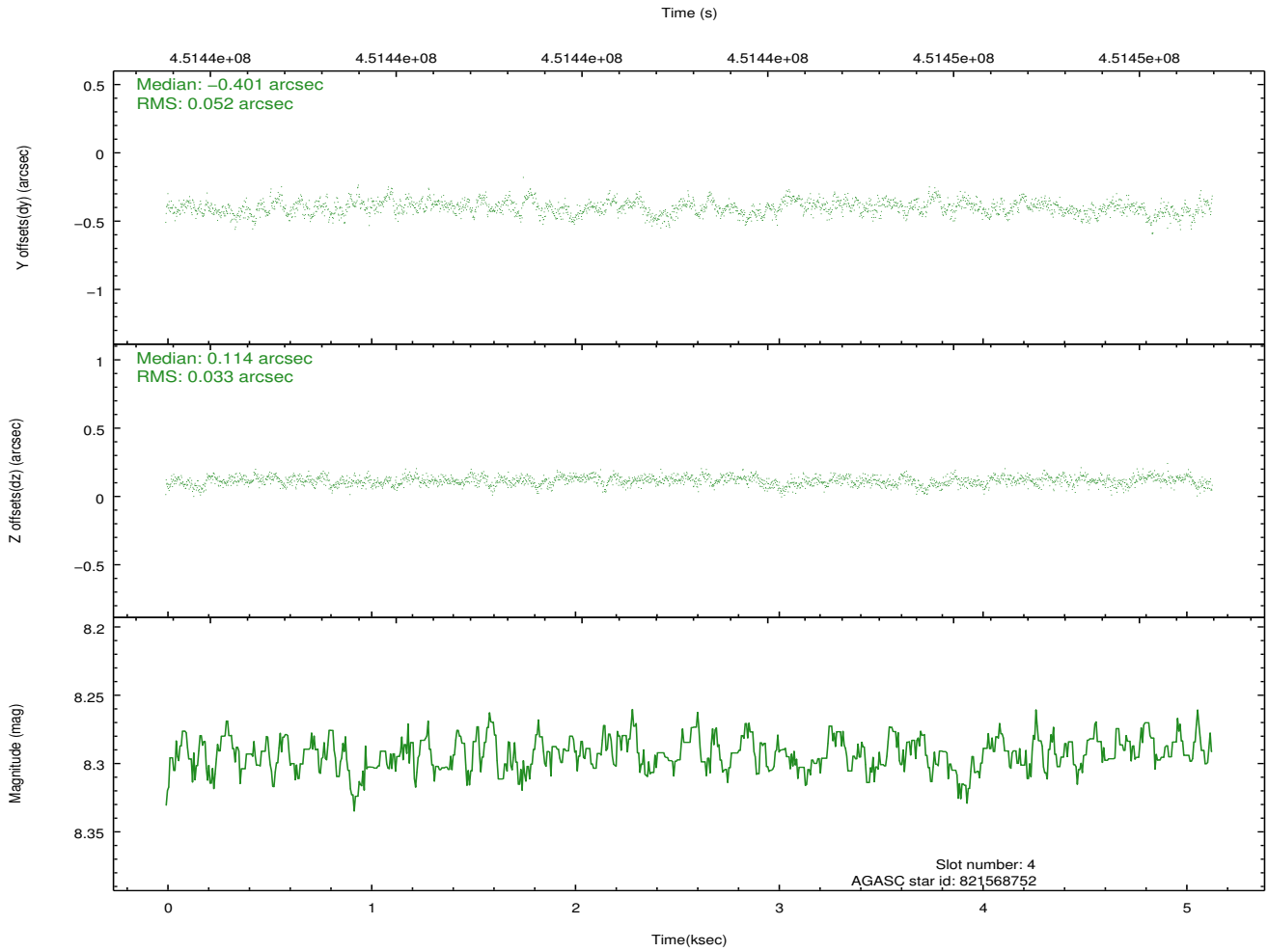
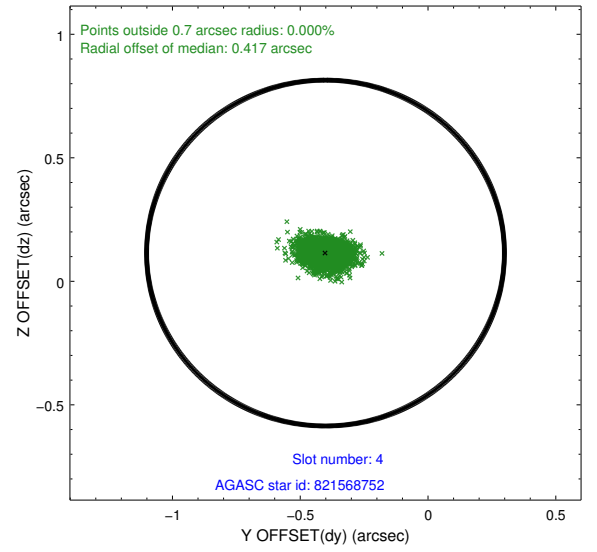
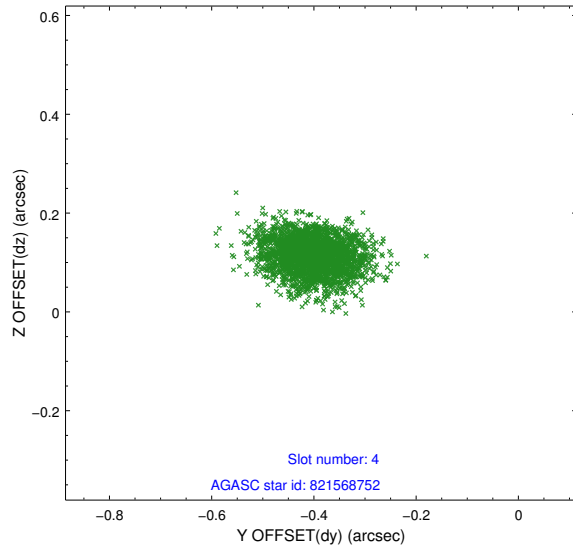
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.99	1253	0.063	0.006	0.014	0.021	0.000000	0.000000	932.88	-1731.79
1	FID	ACIS-S-2	6.91	1253	-0.086	-0.022	0.006	0.011	0.000000	0.000000	-762.51	-1737.55
2	FID	ACIS-S-6	7.13	1253	0.004	0.022	0.011	0.019	0.000000	0.000000	398.01	808.35
3	GUIDE	821561928	8.20	2504	0.151	0.345	0.074	0.117	273.412393	-18.388173	-242.00	-2268.55
4	GUIDE	821568752	8.29	2506	-0.401	0.114	0.064	0.108	273.050073	-17.733446	2196.29	-1199.55
5	GUIDE	822088160	6.53	2506	0.135	-0.163	0.053	0.089	272.729284	-18.869551	-1806.93	176.29
6	GUIDE	822091704	8.08	2505	0.333	-0.212	0.085	0.143	272.220028	-18.943658	-1959.03	1925.20
7	GUIDE	821572336	7.86	2505	-0.217	-0.084	0.053	0.088	272.539835	-17.732722	2318.03	547.34

2.4 Star Slots

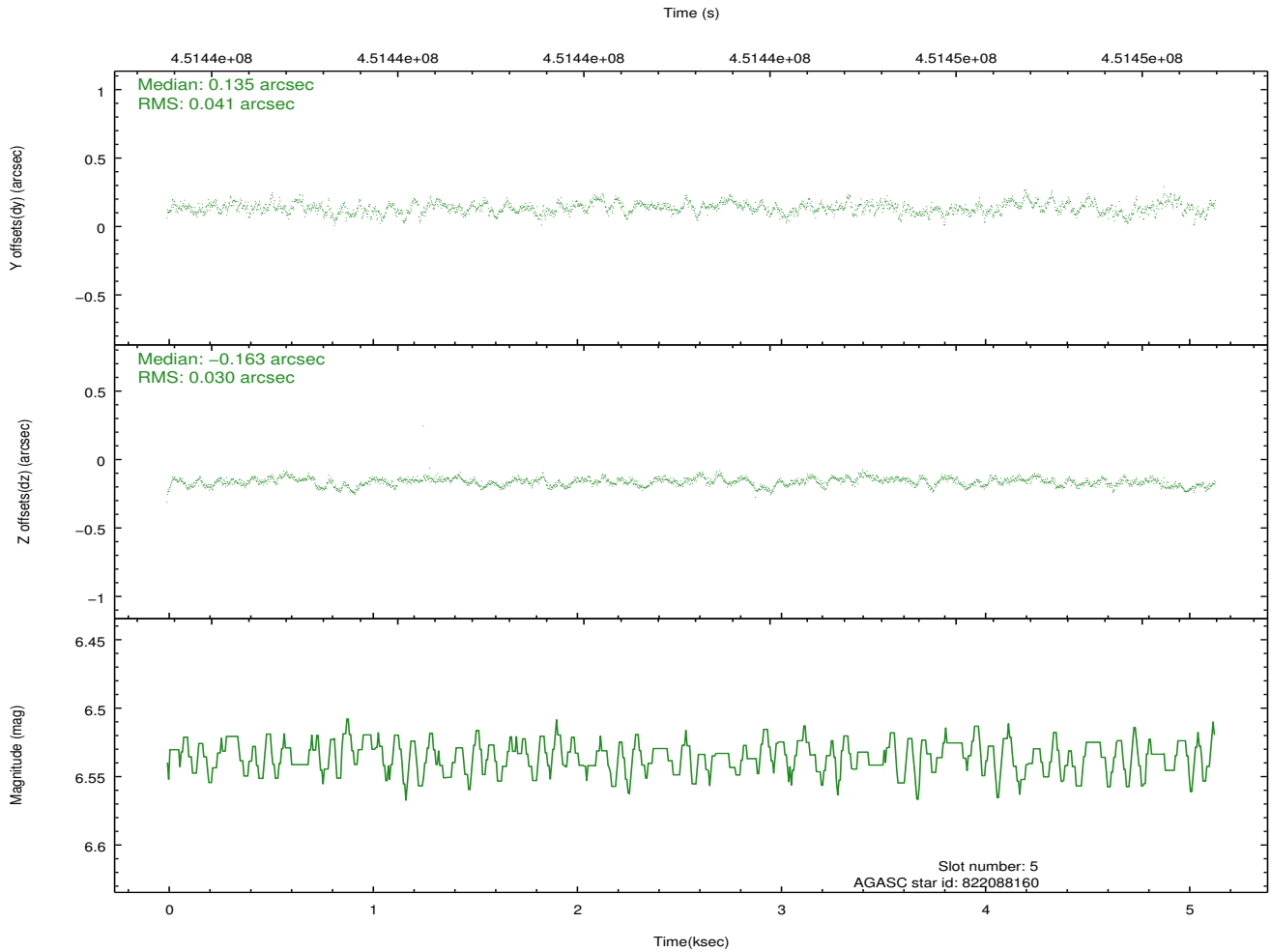
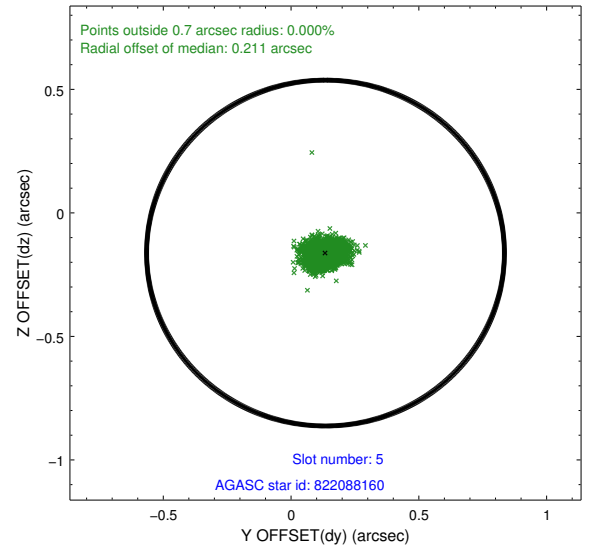
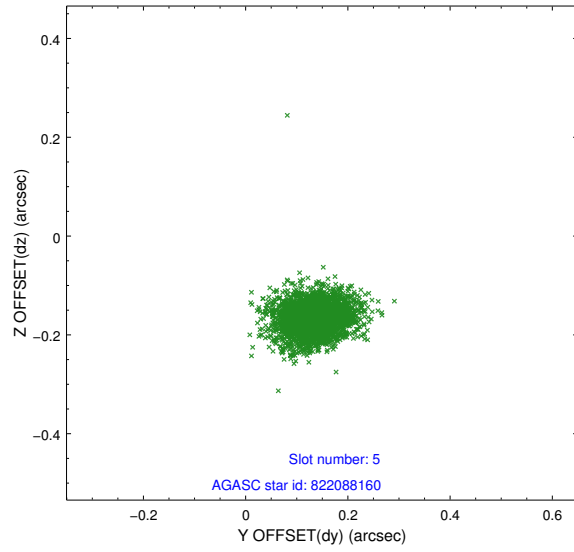
2.4.1 Slot 3



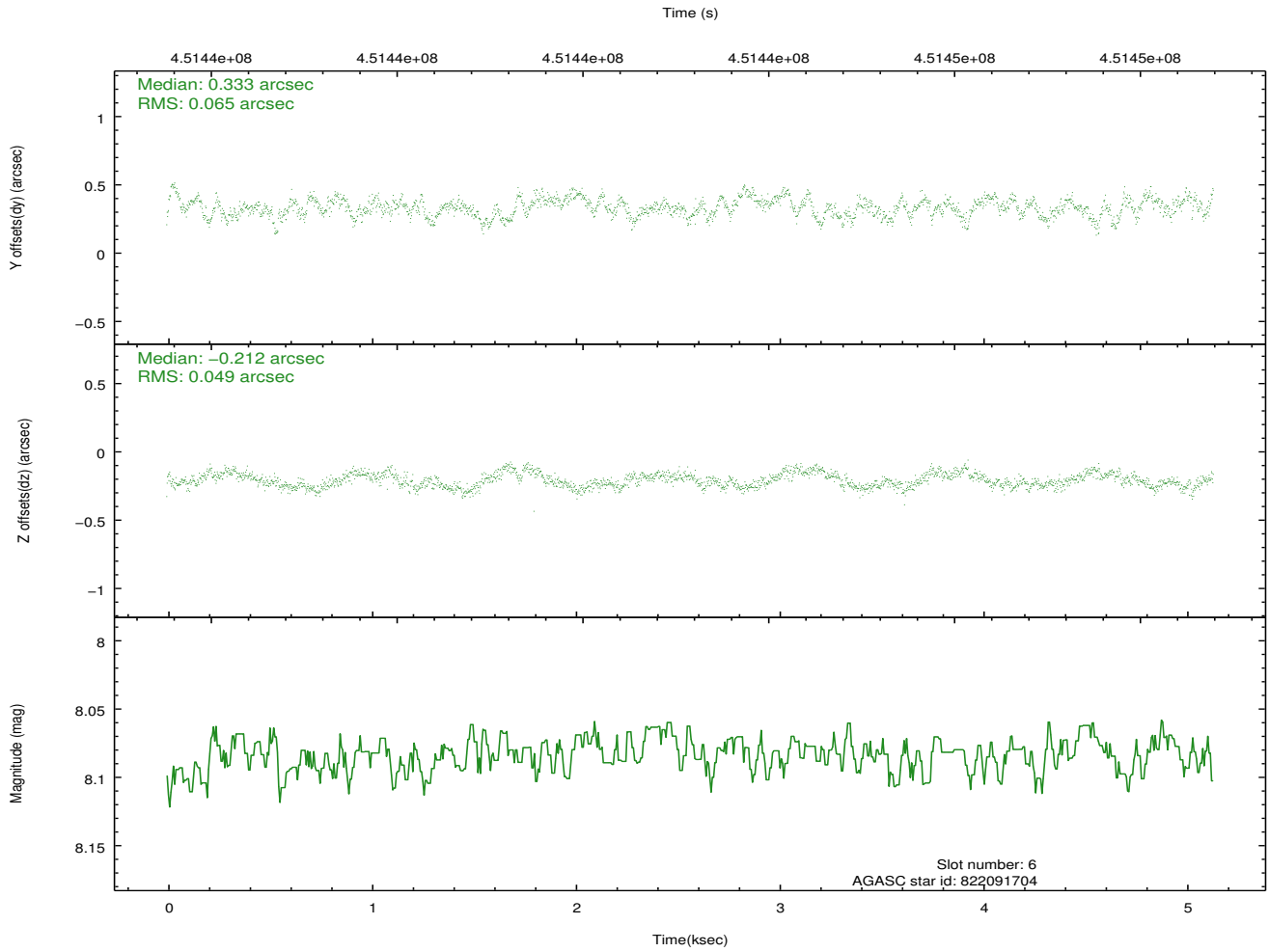
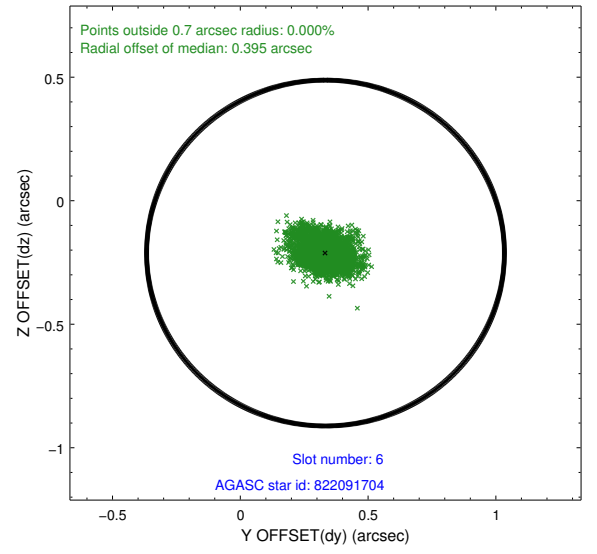
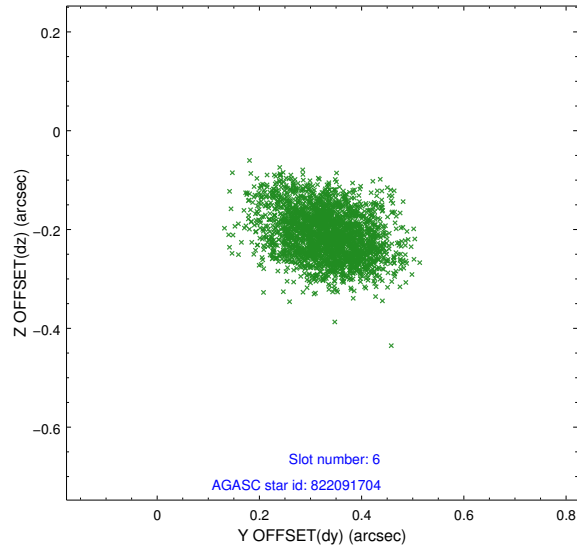
2.4.2 Slot 4



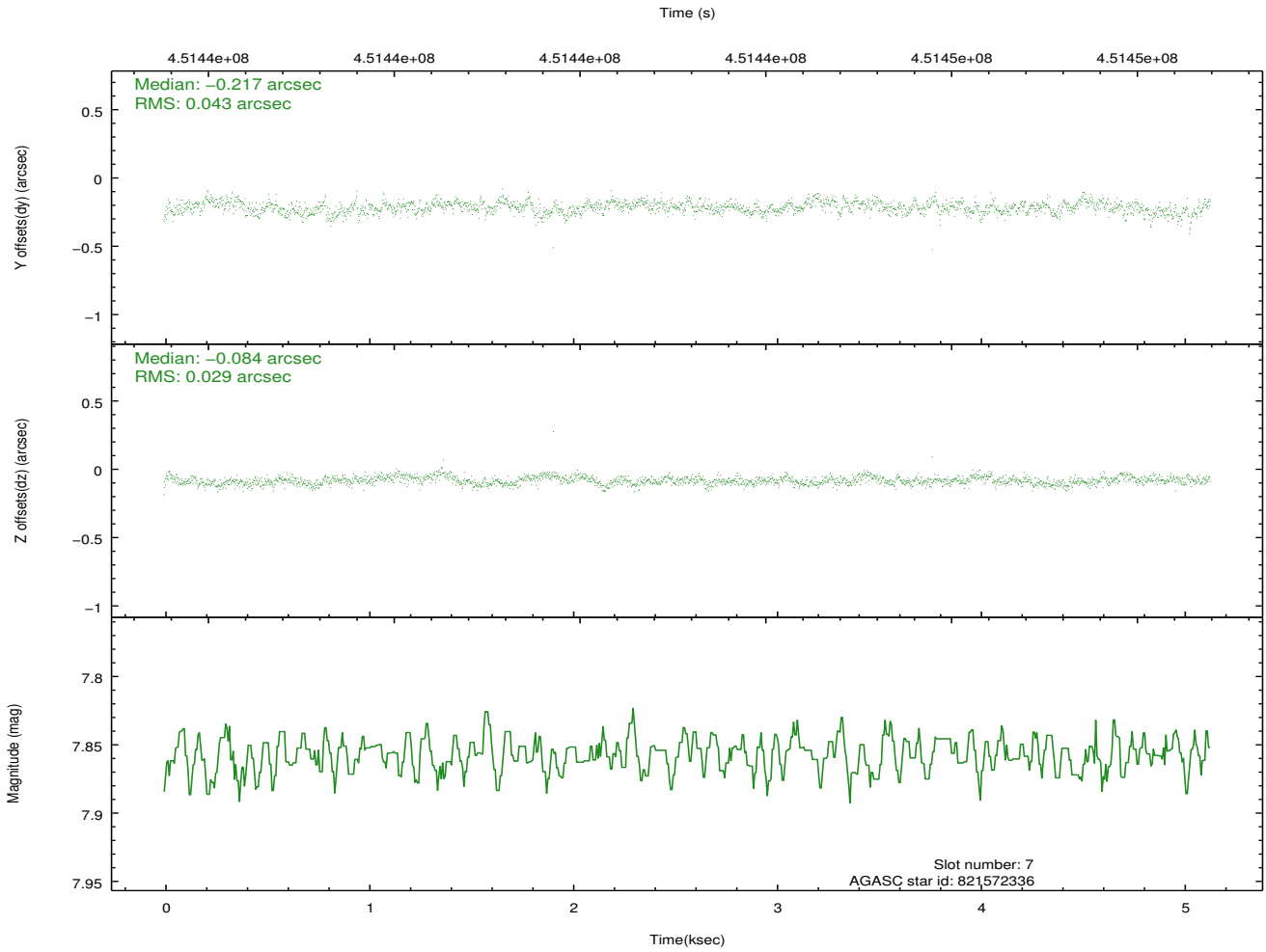
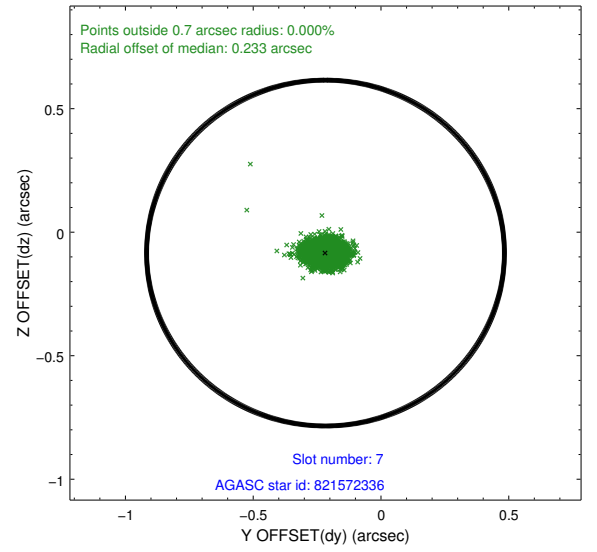
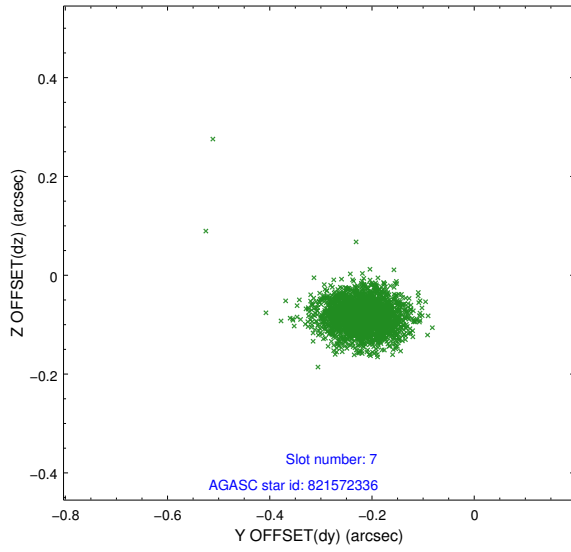
2.4.3 Slot 5



2.4.4 Slot 6

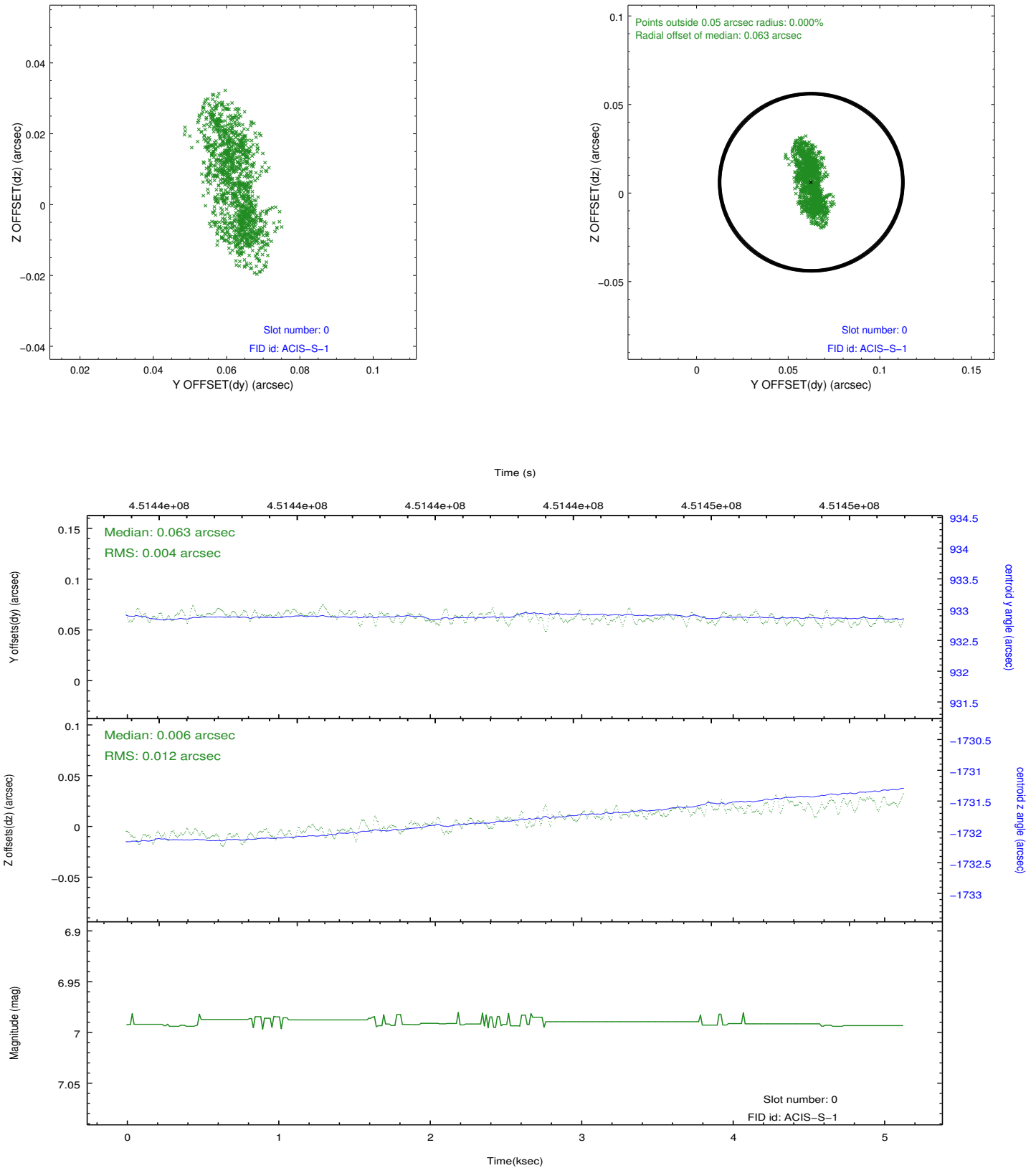


2.4.5 Slot 7

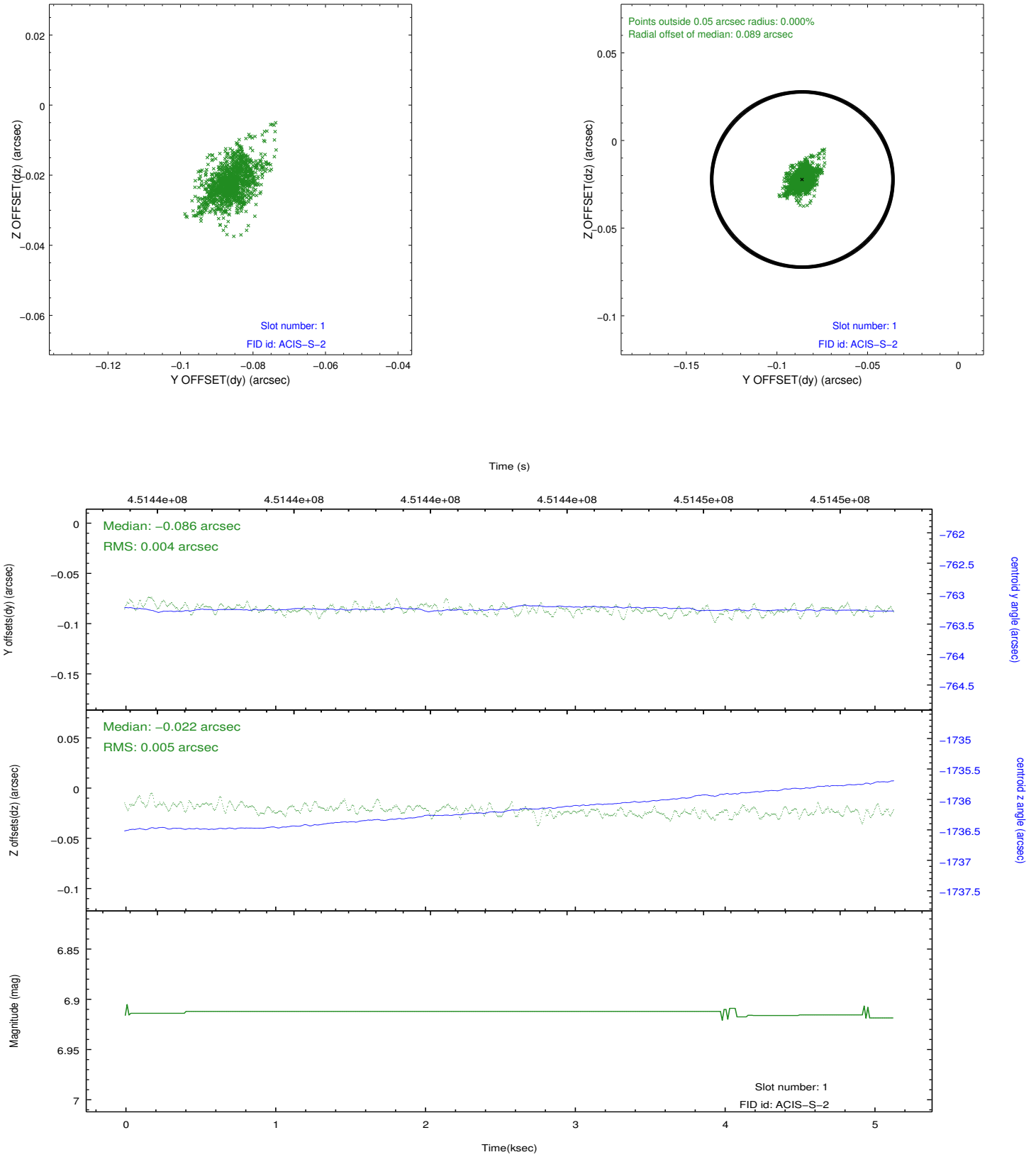


2.5 FID Slots

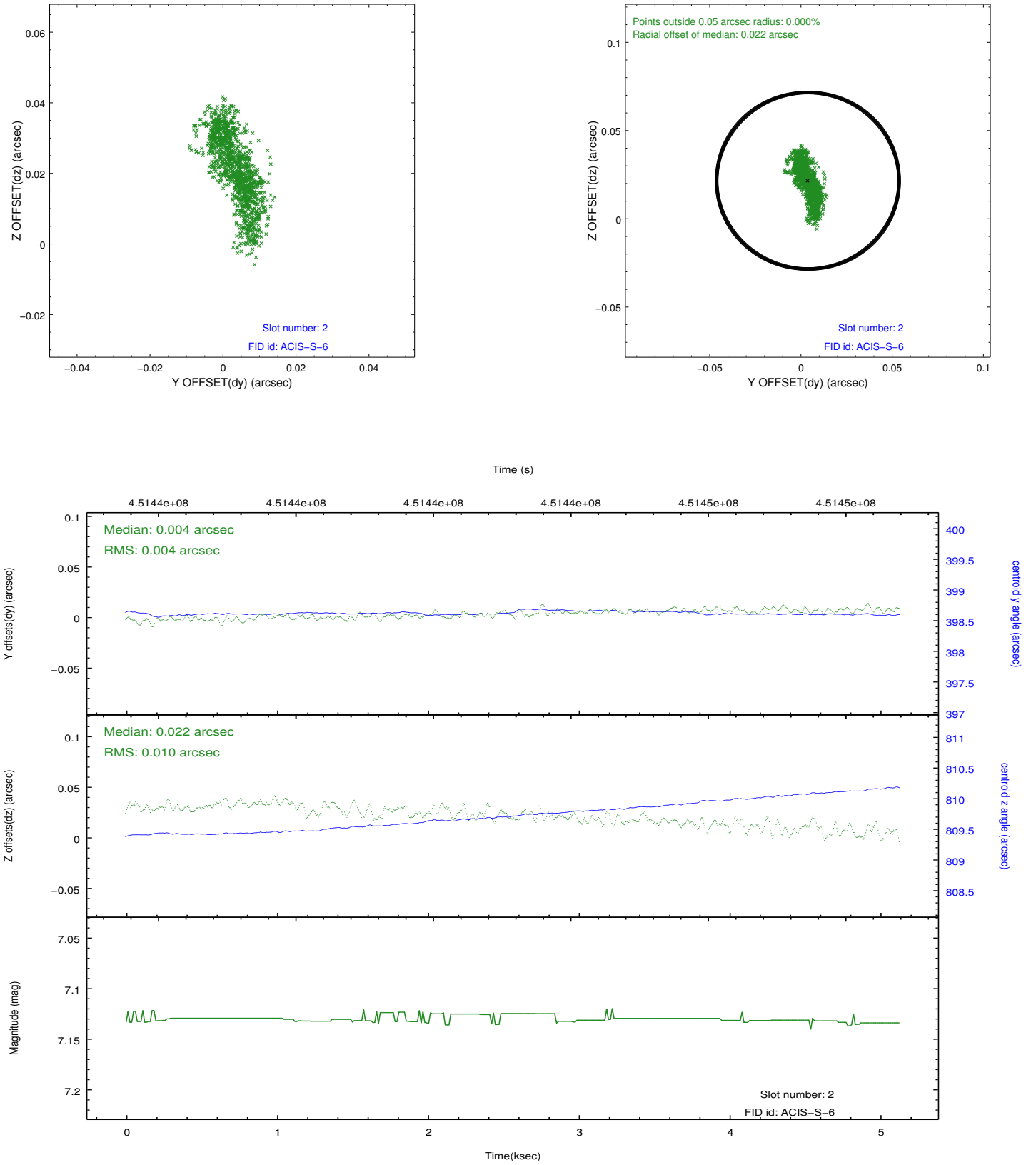
2.5.1 Slot 0



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)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0673096165657

A.2 Comments