

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 20 - L2 Version 4
Chandra X-Ray Center

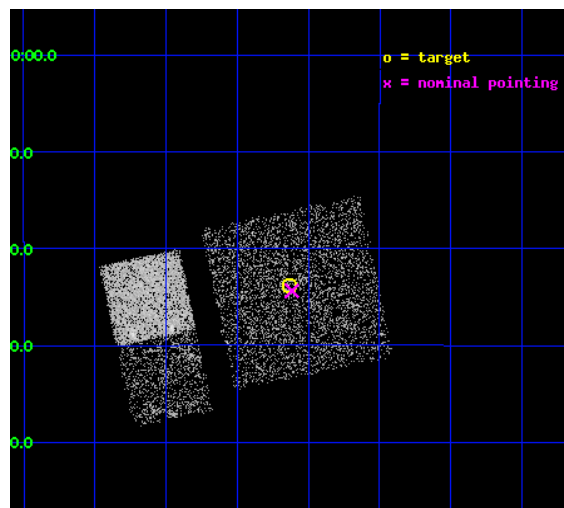
L2 Processing Date : Aug 25 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

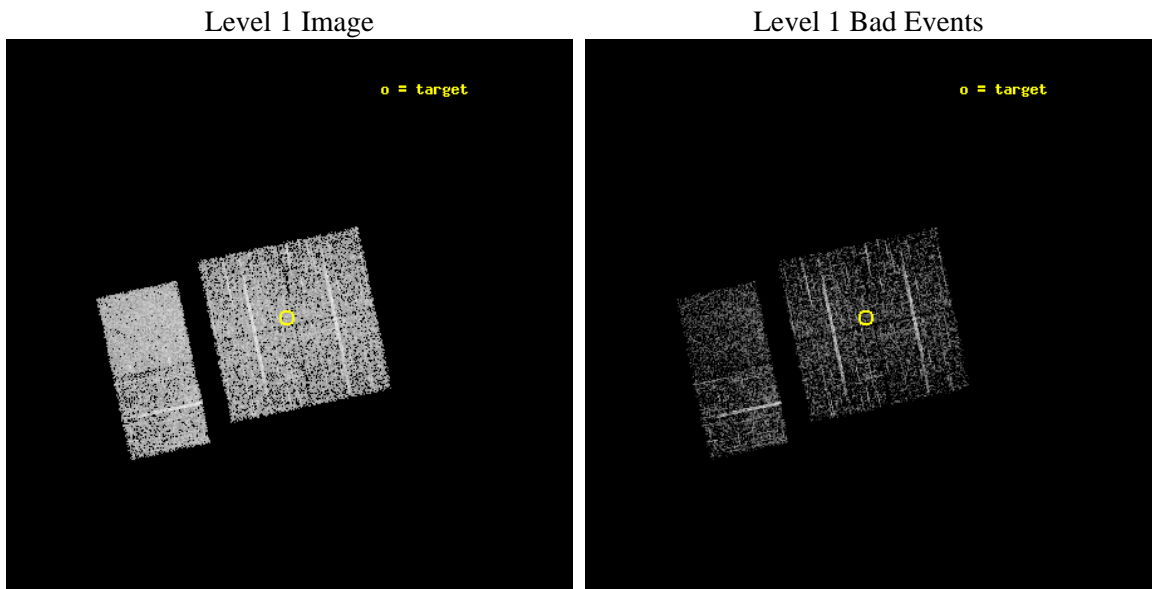
seq_num	200018	Sequence number
obs_id	20	Observation id
title	YOUNG STARS AND OUTFLOWS IN LYND 1641	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	HD 37001	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	83.783333	Observer's specified target RA [deg]
dec_targ	-6.563056	Observer's specified target Dec [deg]
ra_nom	83.779060398988	Nominal RA [deg]
dec_nom	-6.5727677599308	Nominal Dec [deg]
roll_nom	258.03430893388	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1788.800001651	Sum of GTIs [s]
livetime	1766.1491389441	Livetime [s]
ontime0	1788.800001651	Sum of GTIs [s]
ontime1	1788.800001651	Sum of GTIs [s]
ontime2	1788.800001651	Sum of GTIs [s]
ontime3	1788.800001651	Sum of GTIs [s]
ontime6	1788.800001651	Sum of GTIs [s]
ontime7	1788.800001651	Sum of GTIs [s]
l2events	14871	Number of level 2 events



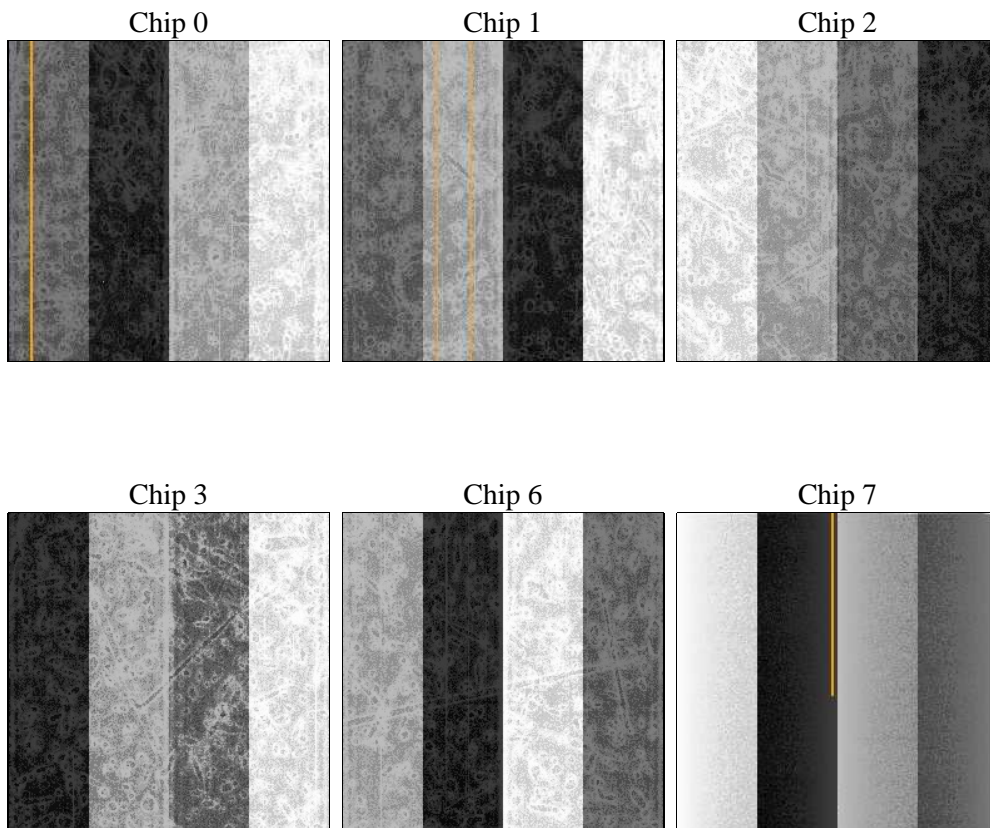
2 OBI

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	1788.800001651	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	1788.800001651	Sum of GTIs [s]
date	2012-08-25T14:53:43	Date and time of file creation	ontime1	1788.800001651	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	1788.800001651	Sum of GTIs [s]
			ontime3	1788.800001651	Sum of GTIs [s]
			ontime6	1788.800001651	Sum of GTIs [s]
			ontime7	1788.800001651	Sum of GTIs [s]
			l1events	80096	Number of level 1 events

2.1.4 Events

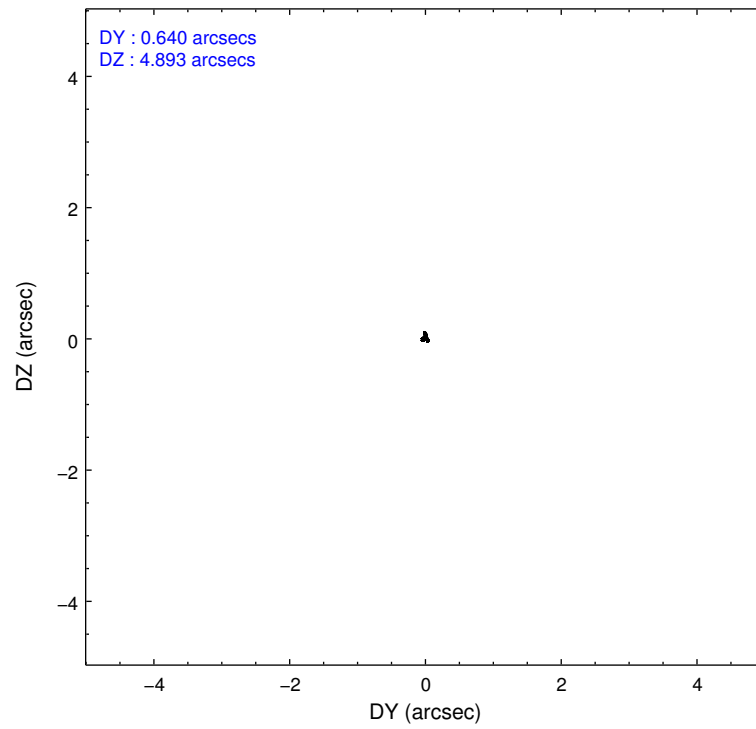
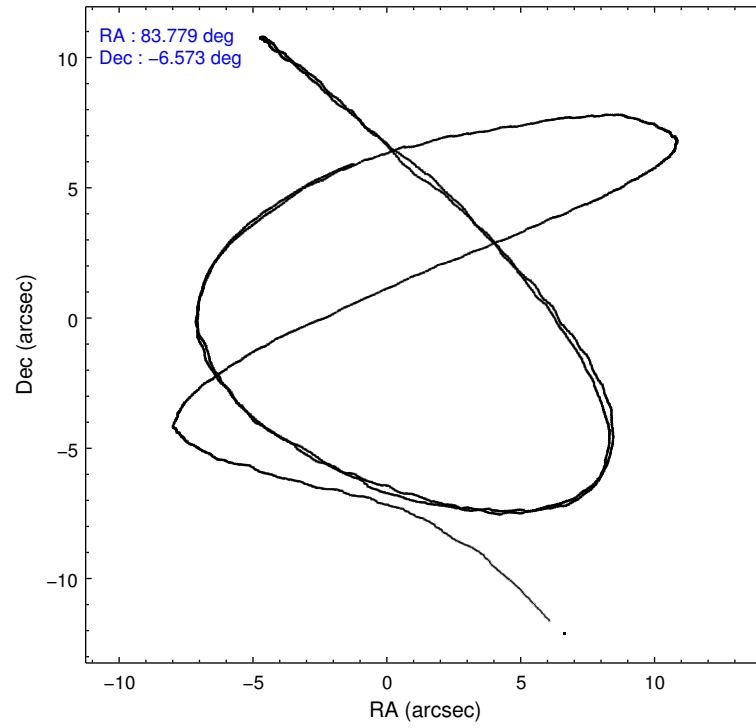
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	11538	11919	12283	13374	13609	17373
rejected events	9992	10384	10808	11824	12083	8874
rejected %	86%	87%	87%	88%	88%	51%

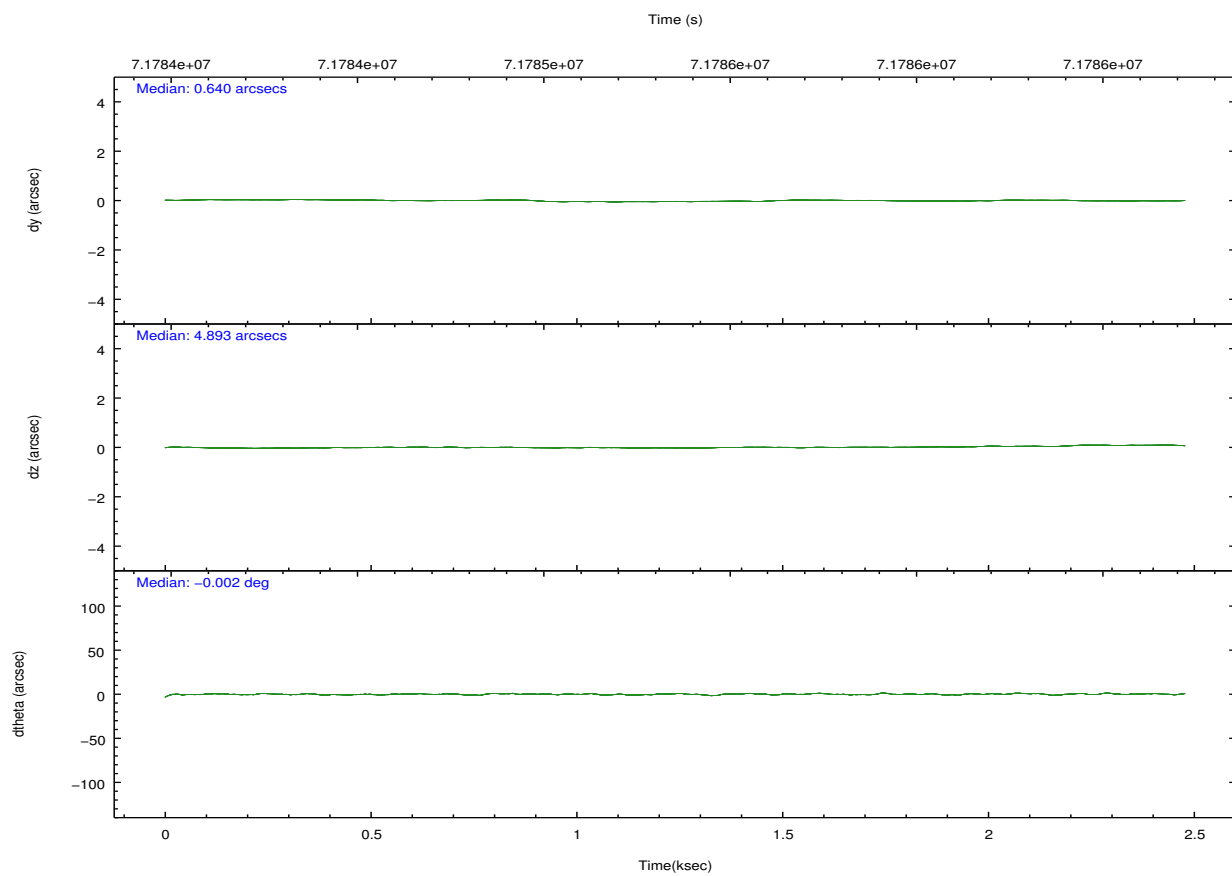
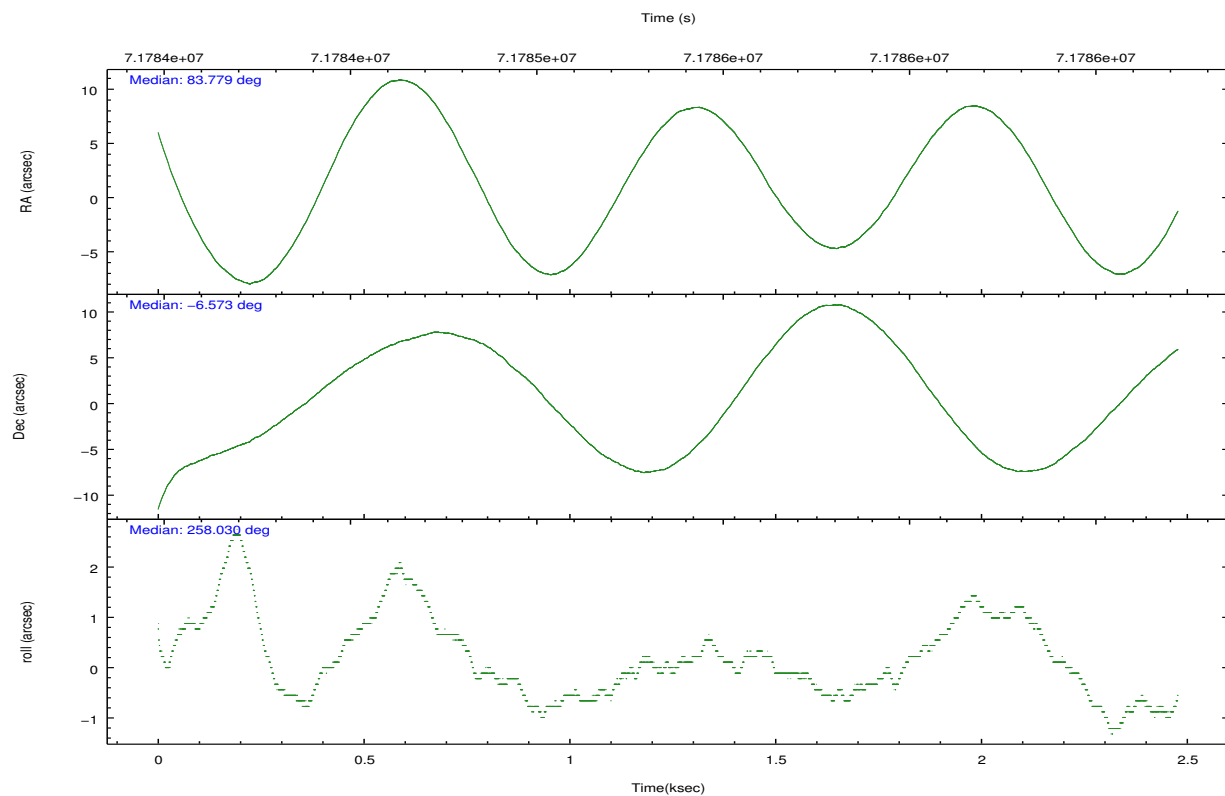
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	739	684	693	749	727	1003
	6%	5%	5%	5%	5%	5%
grade 1 events	9	9	8	8	12	14
	0%	0%	0%	0%	0%	0%
grade 2 events	283	255	286	294	266	1651
	2%	2%	2%	2%	1%	9%
grade 3 events	151	160	146	139	141	771
	1%	1%	1%	1%	1%	4%
grade 4 events	146	169	146	141	131	759
	1%	1%	1%	1%	0%	4%
grade 5 events	427	431	372	422	525	1450
	3%	3%	3%	3%	3%	8%
grade 6 events	234	274	211	228	265	4344
	2%	2%	1%	1%	1%	25%
grade 7 events	9549	9937	10421	11393	11542	7381
	82%	83%	84%	85%	84%	42%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	83.770852	83.77906039898768	Subarray requested	NONE	NONE
[deg] Pointing Dec	-6.546234	-6.572767759930827	Alternating exposures requested	N	N
[deg] Pointing Roll	257.824704	258.034308933883	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	71784589.184000	71783563.994418			
Observation start date	2000-04-10T20:08:45	2000-04-10T19:52:43			
[s] Observation end time (MET)	71786589.184000	71787145.857049			
Observation end date	2000-04-10T20:42:05	2000-04-10T20:52:25			
Read mode	TIMED	TIMED			

2.3 Aspect



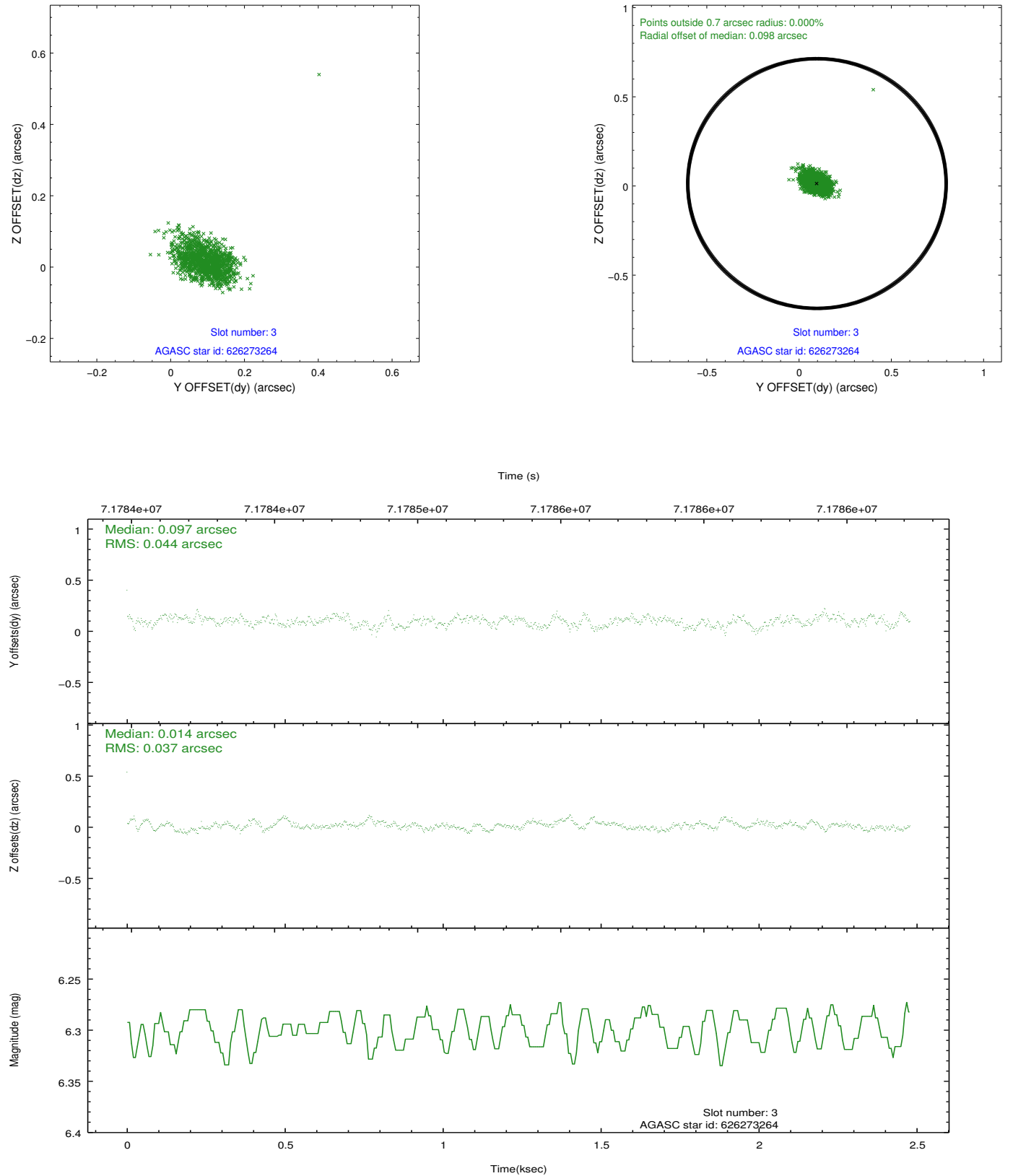


Slot Statistics

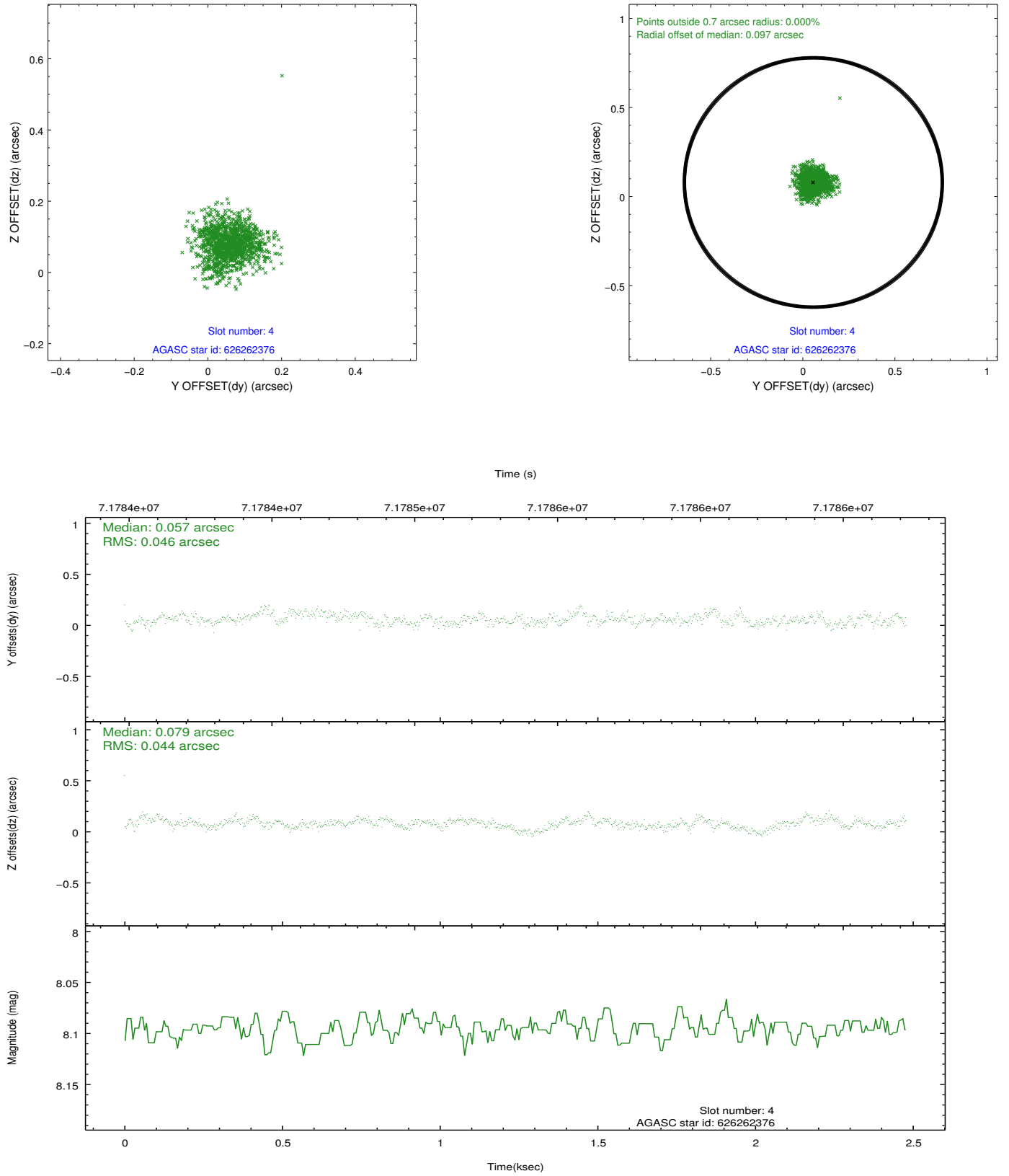
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	605	-0.026	-0.021	0.009	0.014	0.000000	0.000000	-754.98	-834.62
1	FID	ACIS-I-4	7.19	605	-0.038	0.030	0.006	0.011	0.000000	0.000000	2157.89	1070.29
2	FID	ACIS-I-5	7.23	605	-0.036	0.060	0.008	0.013	0.000000	0.000000	-1805.45	1071.15
3	GUIDE	626273264	6.30	1210	0.097	0.014	0.058	0.093	83.510303	-7.023747	1875.89	-547.03
4	GUIDE	626262376	8.09	1210	0.057	0.079	0.067	0.109	84.187611	-7.086564	1588.34	1865.80
5	GUIDE	626272976	7.96	1210	-0.180	0.049	0.089	0.138	83.795875	-5.926912	-2198.38	-380.97
6	GUIDE	626266640	9.52	1210	0.037	-0.230	0.102	0.165	83.403152	-6.380225	-309.18	-1412.20
7	GUIDE	626272848	8.58	1209	-0.007	0.091	0.073	0.120	84.129003	-6.453841	-596.47	1181.43

2.4 Star Slots

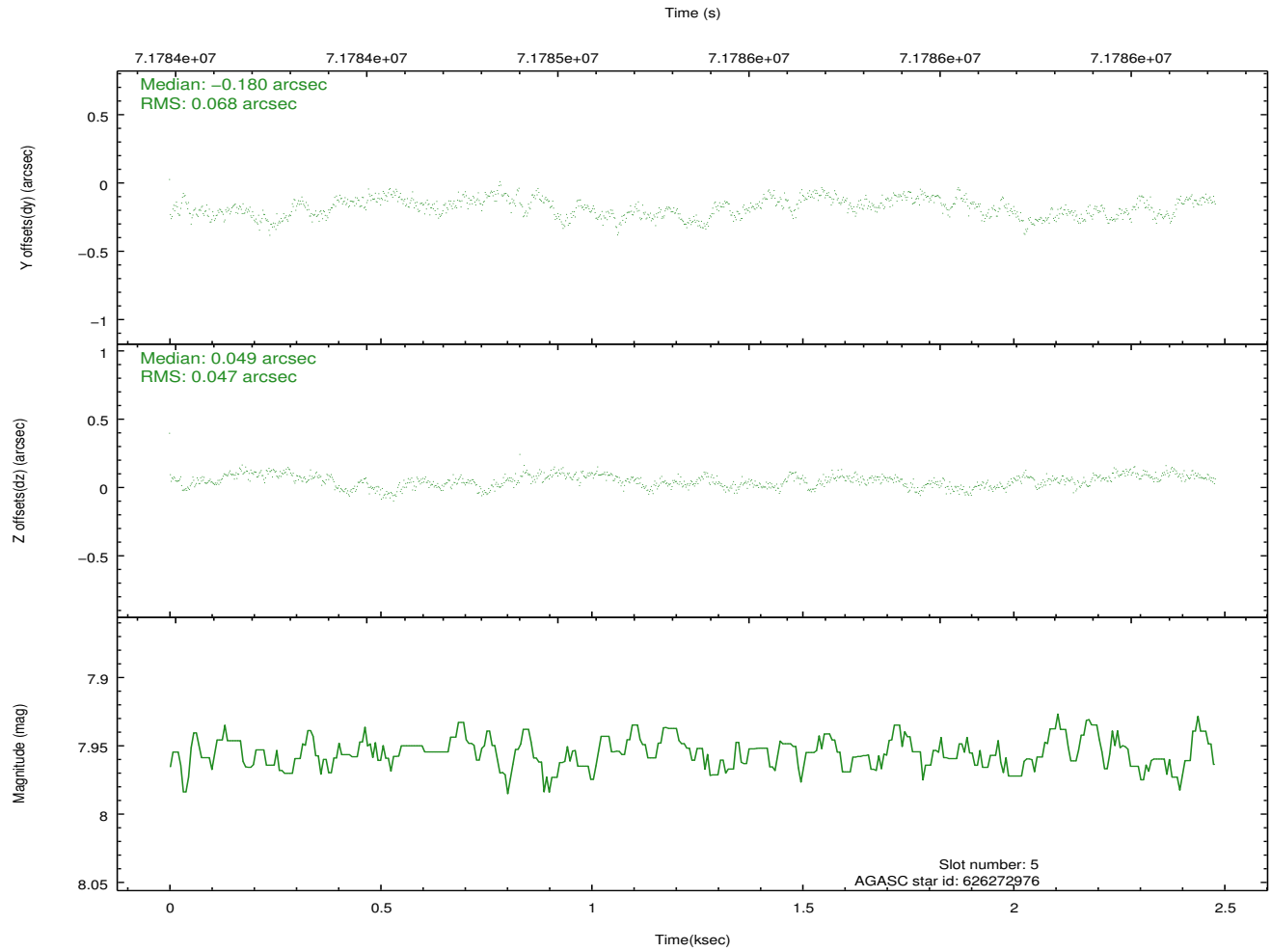
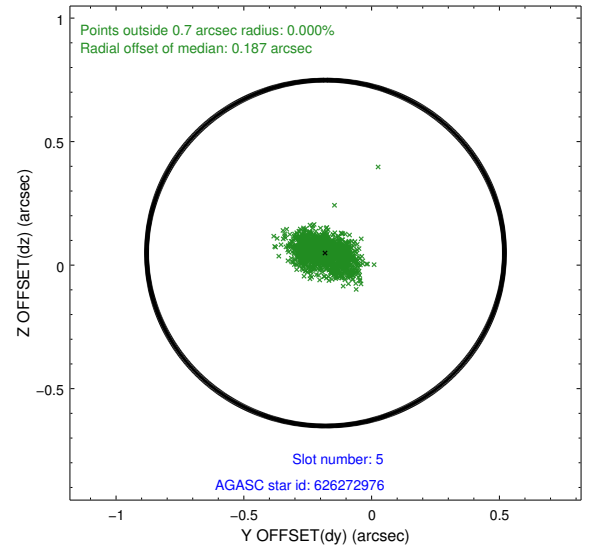
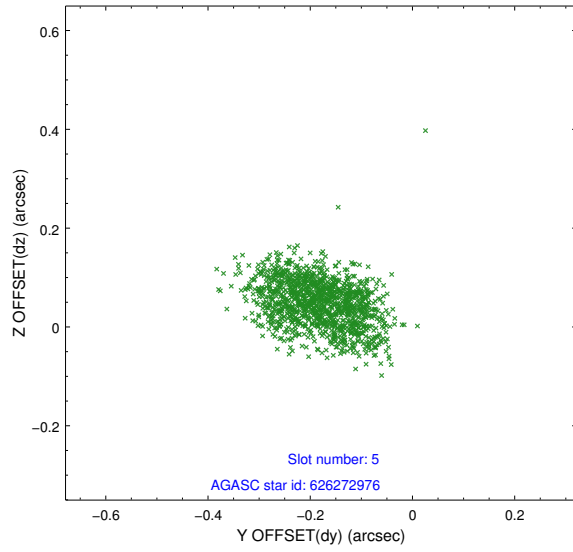
2.4.1 Slot 3



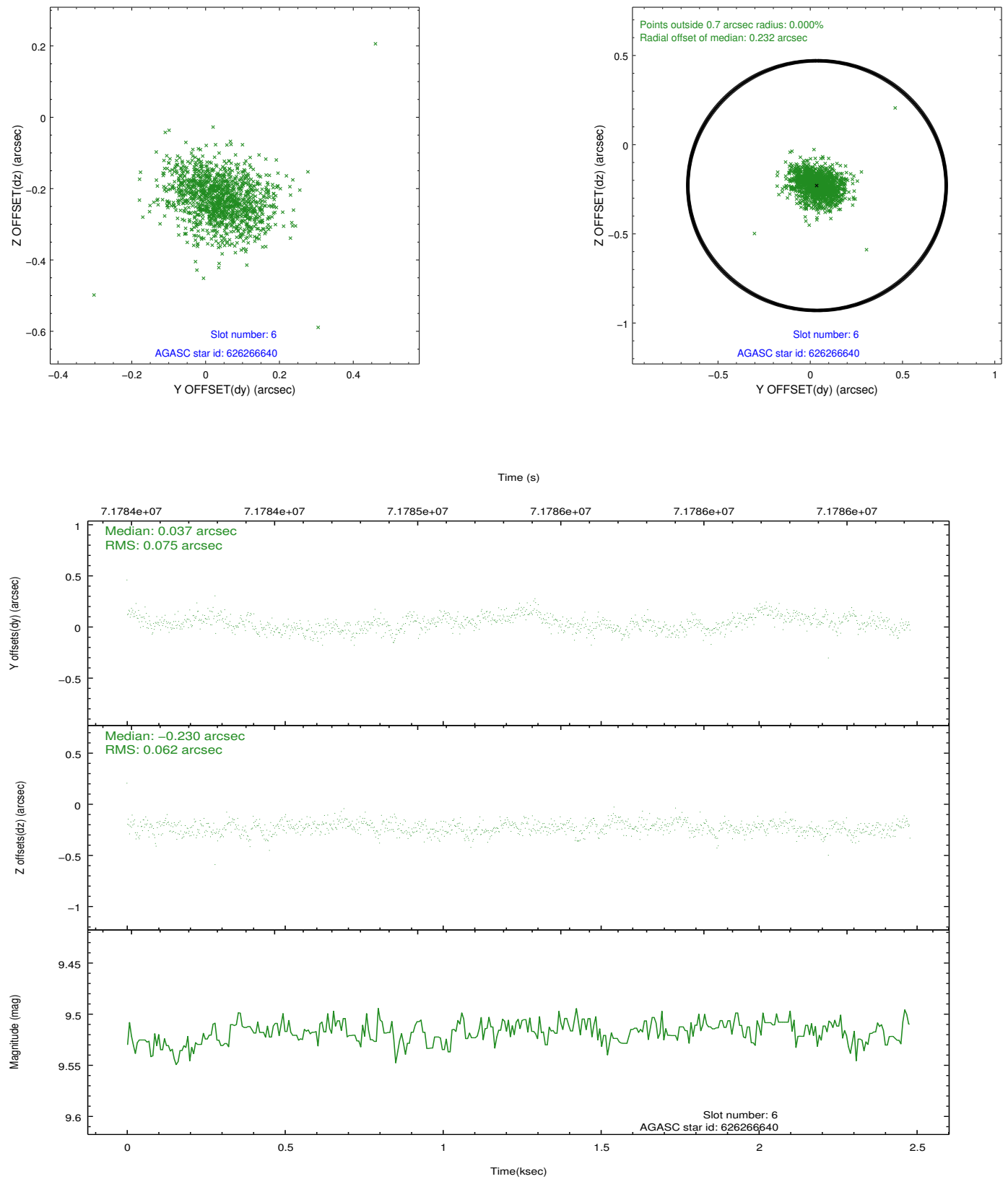
2.4.2 Slot 4



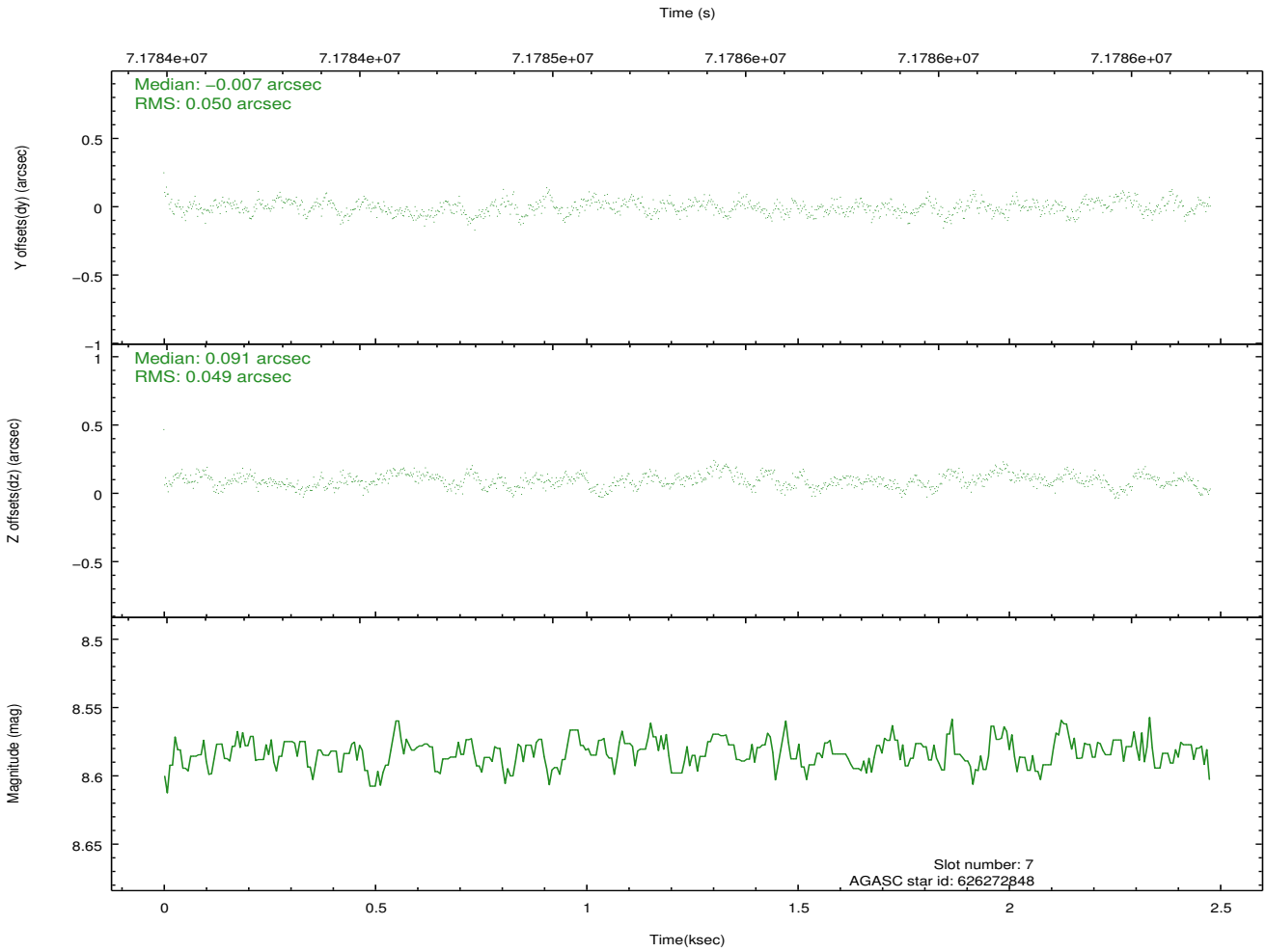
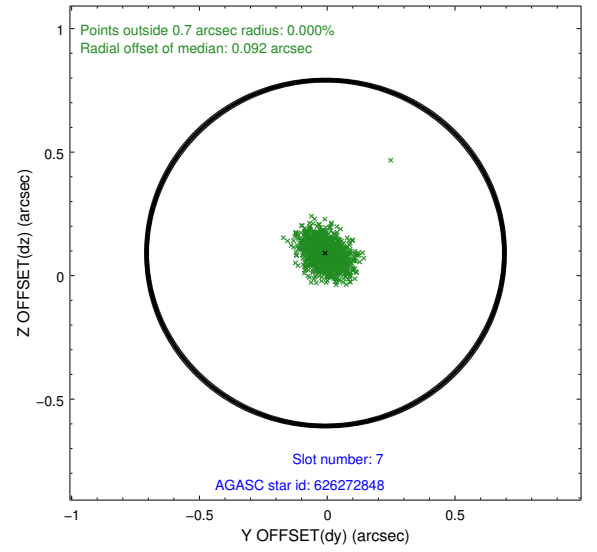
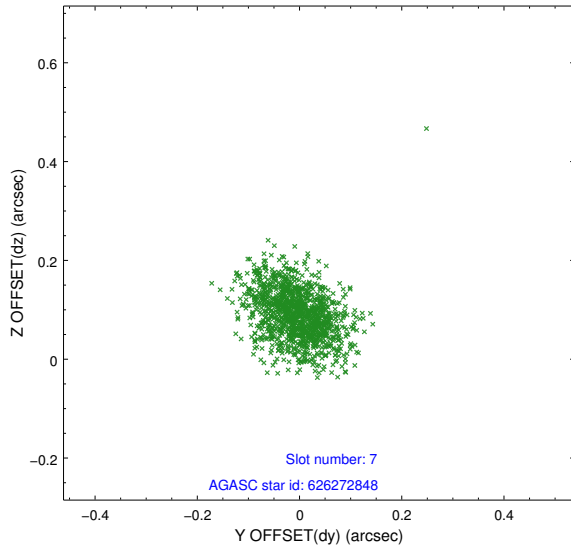
2.4.3 Slot 5



2.4.4 Slot 6

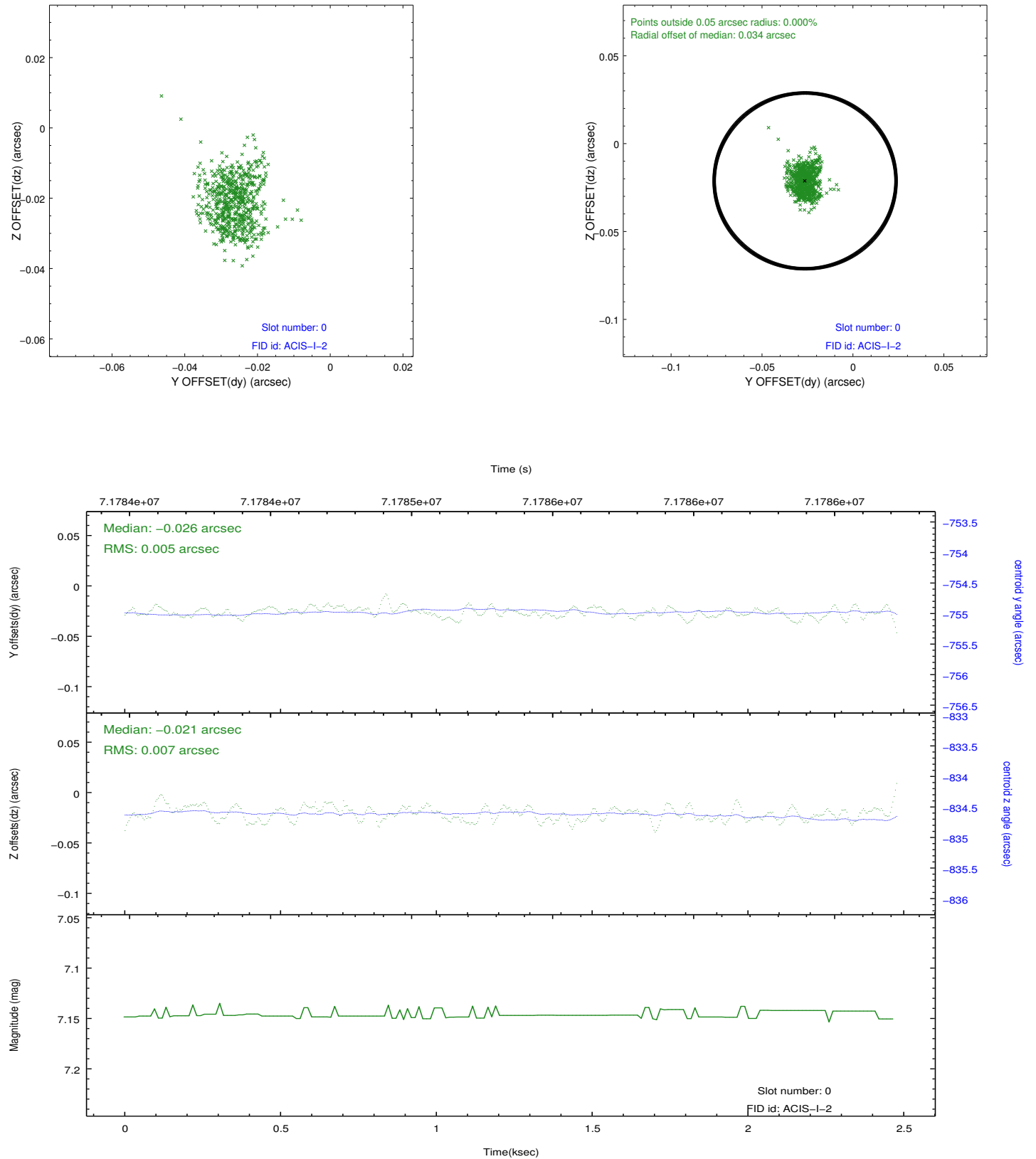


2.4.5 Slot 7

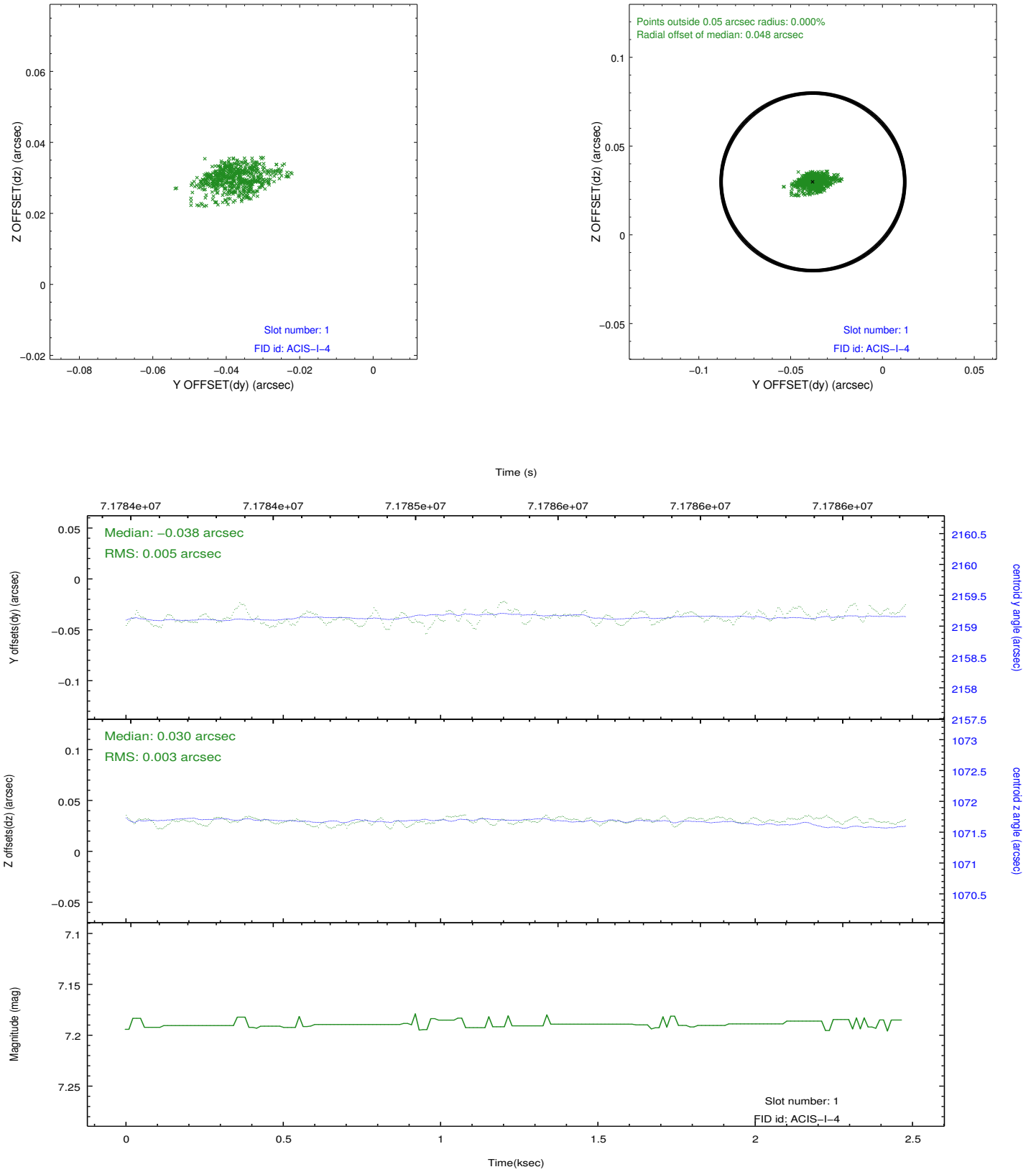


2.5 FID Slots

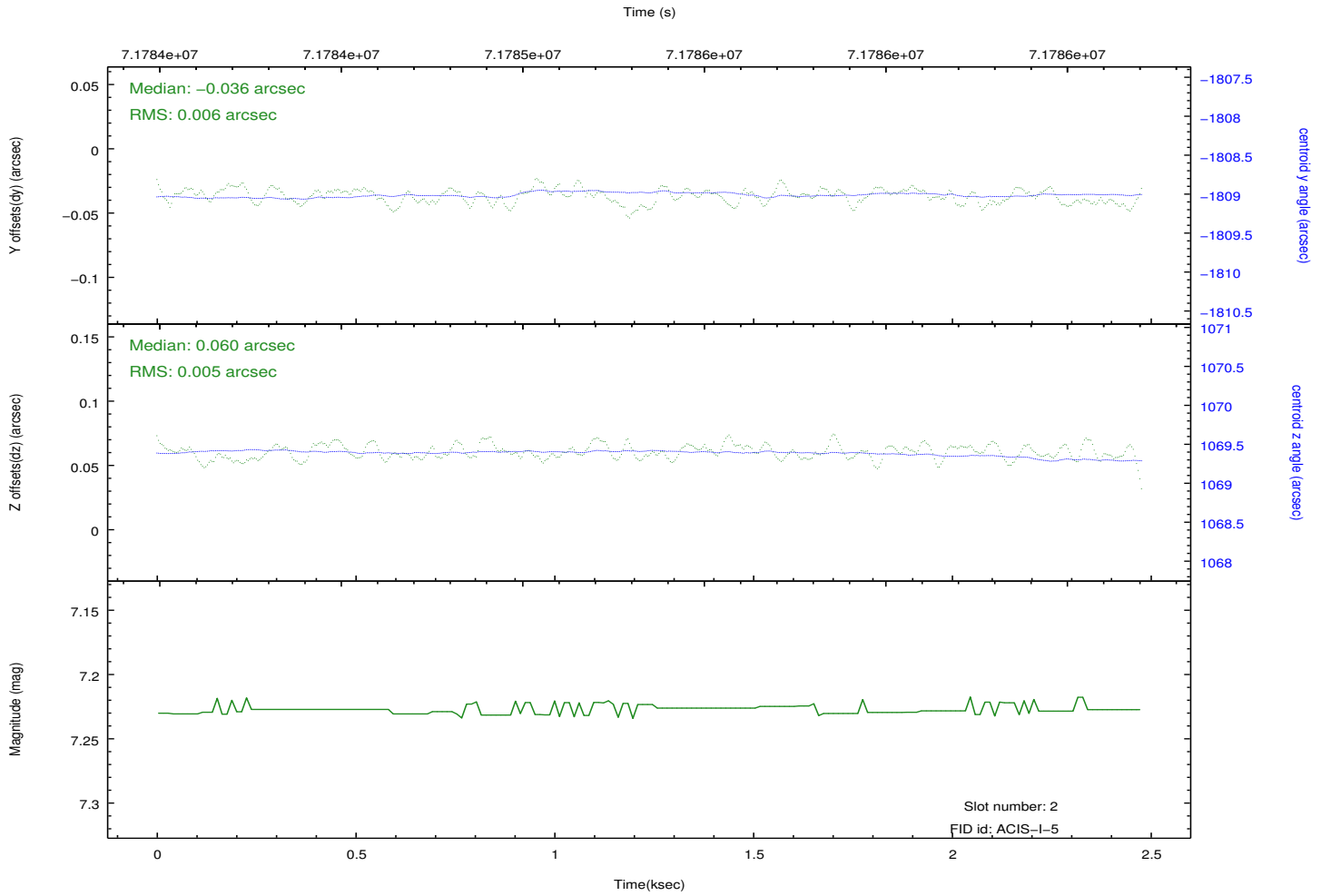
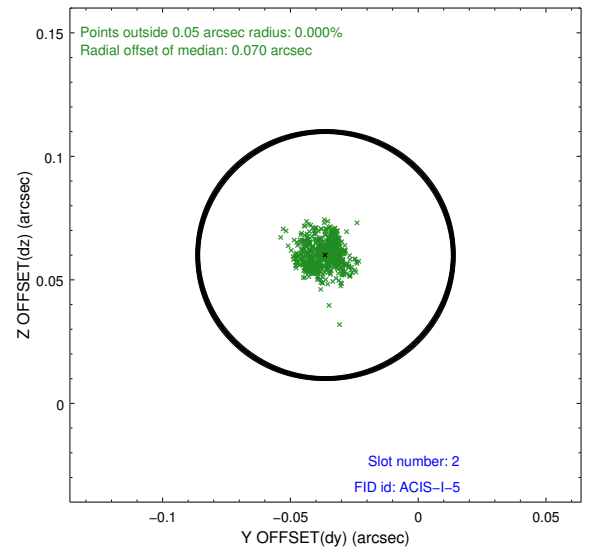
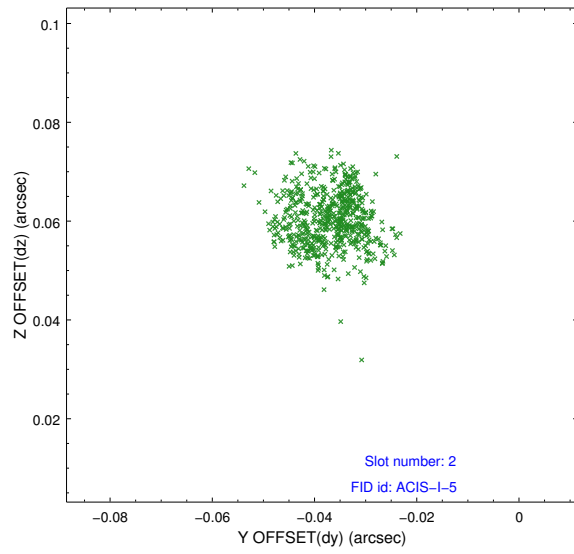
2.5.1 Slot 0



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)	2012.08.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.792

A.2 Comments