

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3739 - L2 Version 3
Chandra X-Ray Center

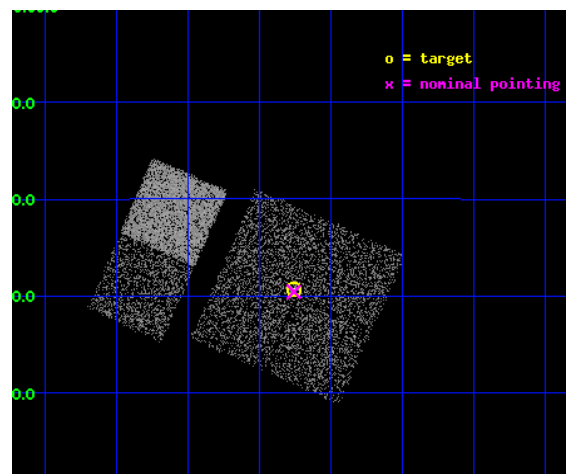
L2 Processing Date : Oct 21 2012

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

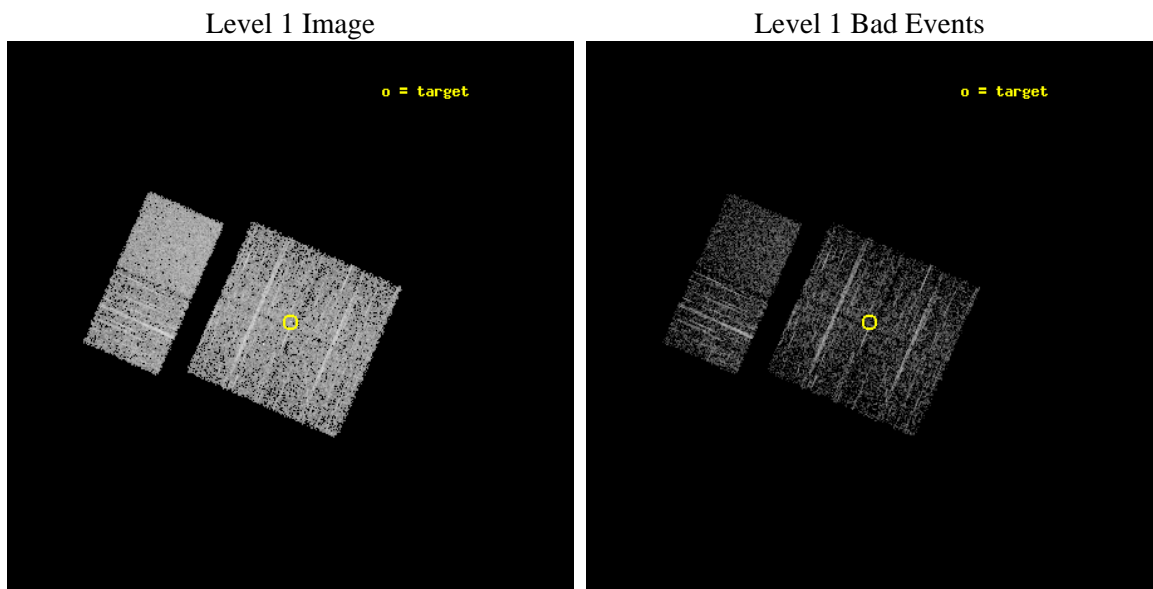
seq_num	200209	Sequence number
obs_id	3739	Observation id
title	ON THE ORIGIN OF THE X-RAY EMISSION IN LATE B-TYPE STARS	Proposal
observer	Dr. Nuria Huelamo	Principal investigator
object	HD32964	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	76.69	Observer's specified target RA [deg]
dec_targ	-4.655167	Observer's specified target Dec [deg]
ra_nom	76.690113731732	Nominal RA [deg]
dec_nom	-4.6597672653798	Nominal Dec [deg]
roll_nom	293.81729444186	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2550.399990499	Sum of GTIs [s]
livetime	2518.1052901528	Livetime [s]
ontime0	2550.399990499	Sum of GTIs [s]
ontime1	2550.399990499	Sum of GTIs [s]
ontime2	2550.399990499	Sum of GTIs [s]
ontime3	2550.399990499	Sum of GTIs [s]
ontime6	2547.1590202153	Sum of GTIs [s]
ontime7	2550.399990499	Sum of GTIs [s]
l2events	16880	Number of level 2 events



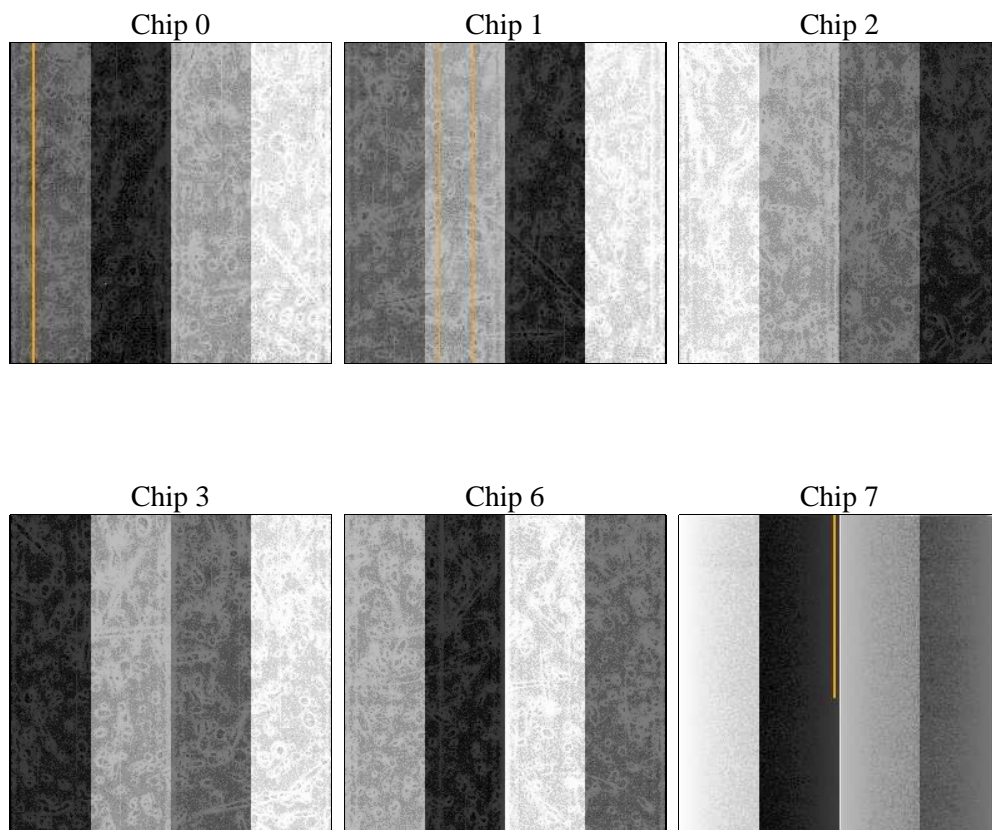
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2400.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2550.399990499	Sum of GTIs [s]
caldsver	4.5.2	 	ontime0	2550.399990499	Sum of GTIs [s]
date	2012-10-21T05:13:21	Date and time of file creation	ontime1	2550.399990499	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2550.399990499	Sum of GTIs [s]
			ontime3	2550.399990499	Sum of GTIs [s]
			ontime6	2547.1590202153	Sum of GTIs [s]
			ontime7	2550.399990499	Sum of GTIs [s]
			l1events	102539	Number of level 1 events

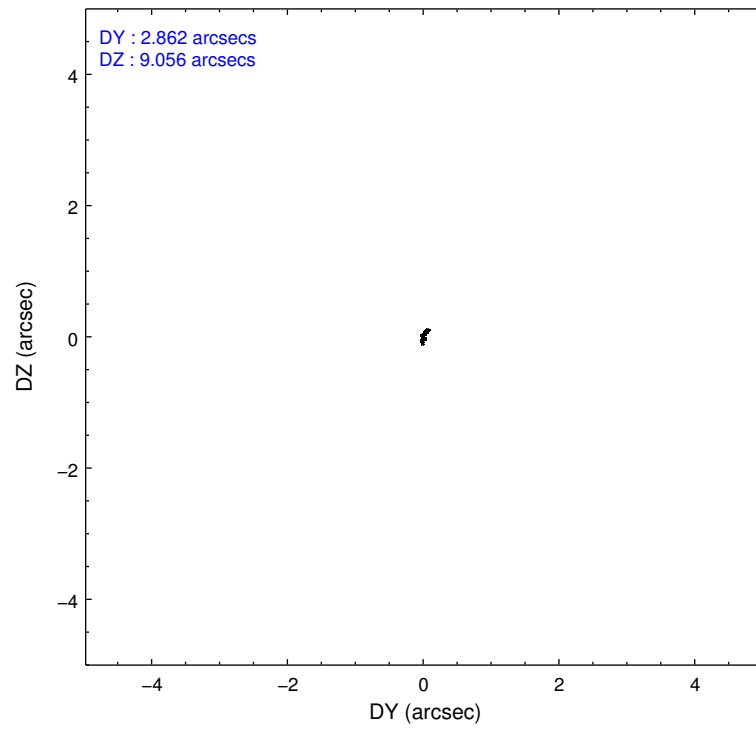
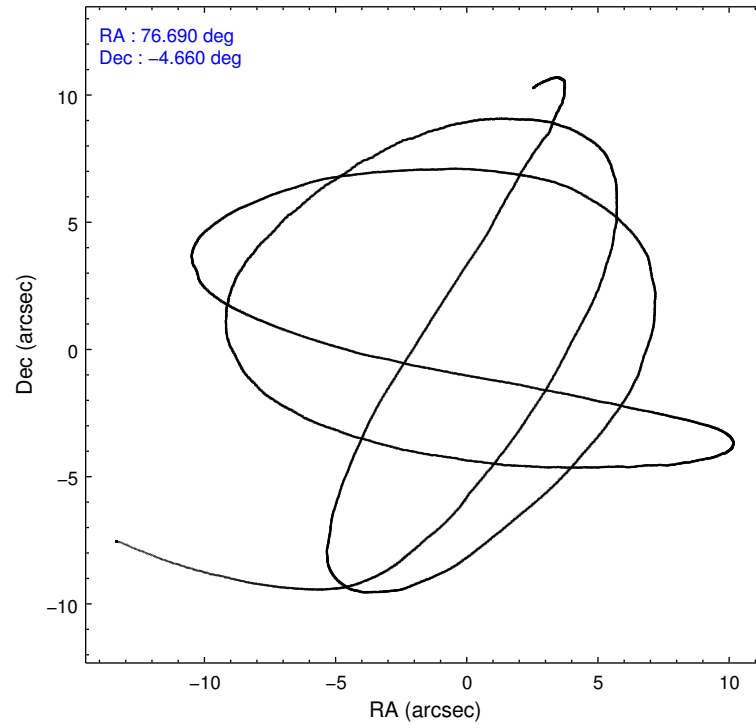
2.1.4 Events

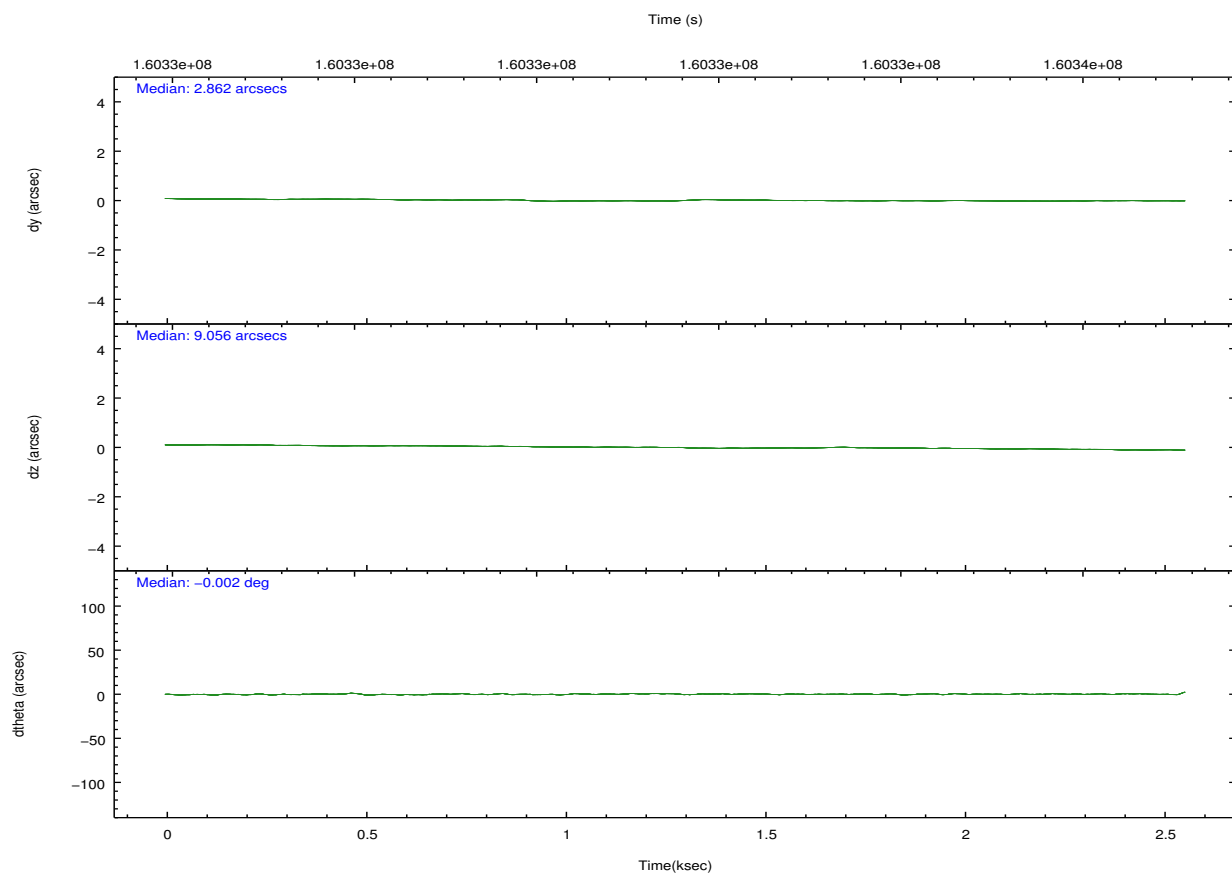
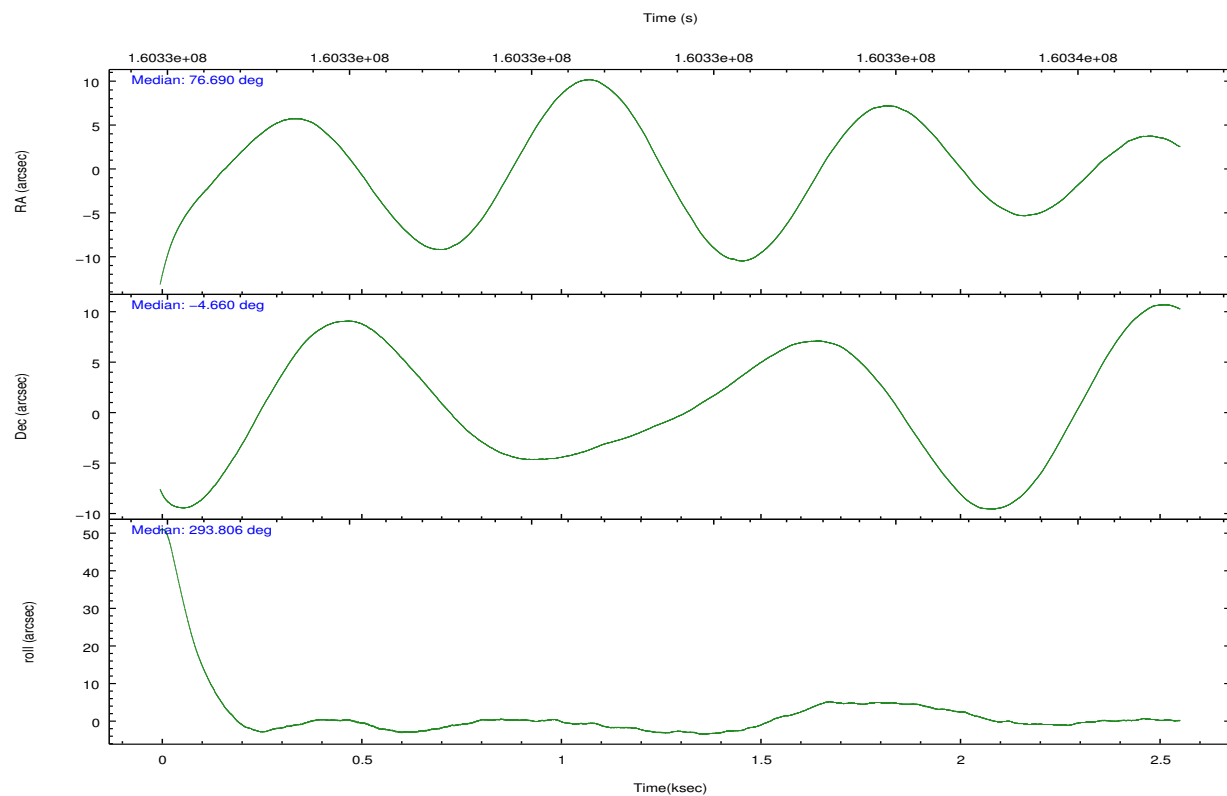
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	14118	15727	16704	16289	18033	21668	grade 0 events	871	822	984	999	826	800
rejected events	12249	13809	14766	14289	16115	12973		6%	5%	5%	6%	4%	3%
rejected %	86%	87%	88%	87%	89%	59%	grade 1 events	7	3	14	16	12	21
								0%	0%	0%	0%	0%	0%
							grade 2 events	353	396	352	404	411	1818
								2%	2%	2%	2%	2%	8%
							grade 3 events	201	220	183	187	182	825
								1%	1%	1%	1%	1%	3%
							grade 4 events	185	197	196	172	176	853
								1%	1%	1%	1%	0%	3%
							grade 5 events	616	712	625	717	776	2062
								4%	4%	3%	4%	4%	9%
							grade 6 events	342	379	316	325	413	4767
								2%	2%	1%	1%	2%	22%
							grade 7 events	11543	12998	14034	13469	15237	10522
								81%	82%	84%	82%	84%	48%

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	76.667831	76.6901137317316	Subarray requested	NONE	NONE
[deg] Pointing Dec	-4.643724	-4.659767265379784	Alternating exposures requested	N	N
[deg] Pointing Roll	293.606547	293.8172944418627	[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)	160332759.184000	160331649.81215			
Observation start date	2003-01-30T16:51:35	2003-01-30T16:34:09			
[s] Observation end time (MET)	160335159.184000	160335760.57482			
Observation end date	2003-01-30T17:31:35	2003-01-30T17:42:40			
Read mode	TIMED	TIMED			

2.3 Aspect



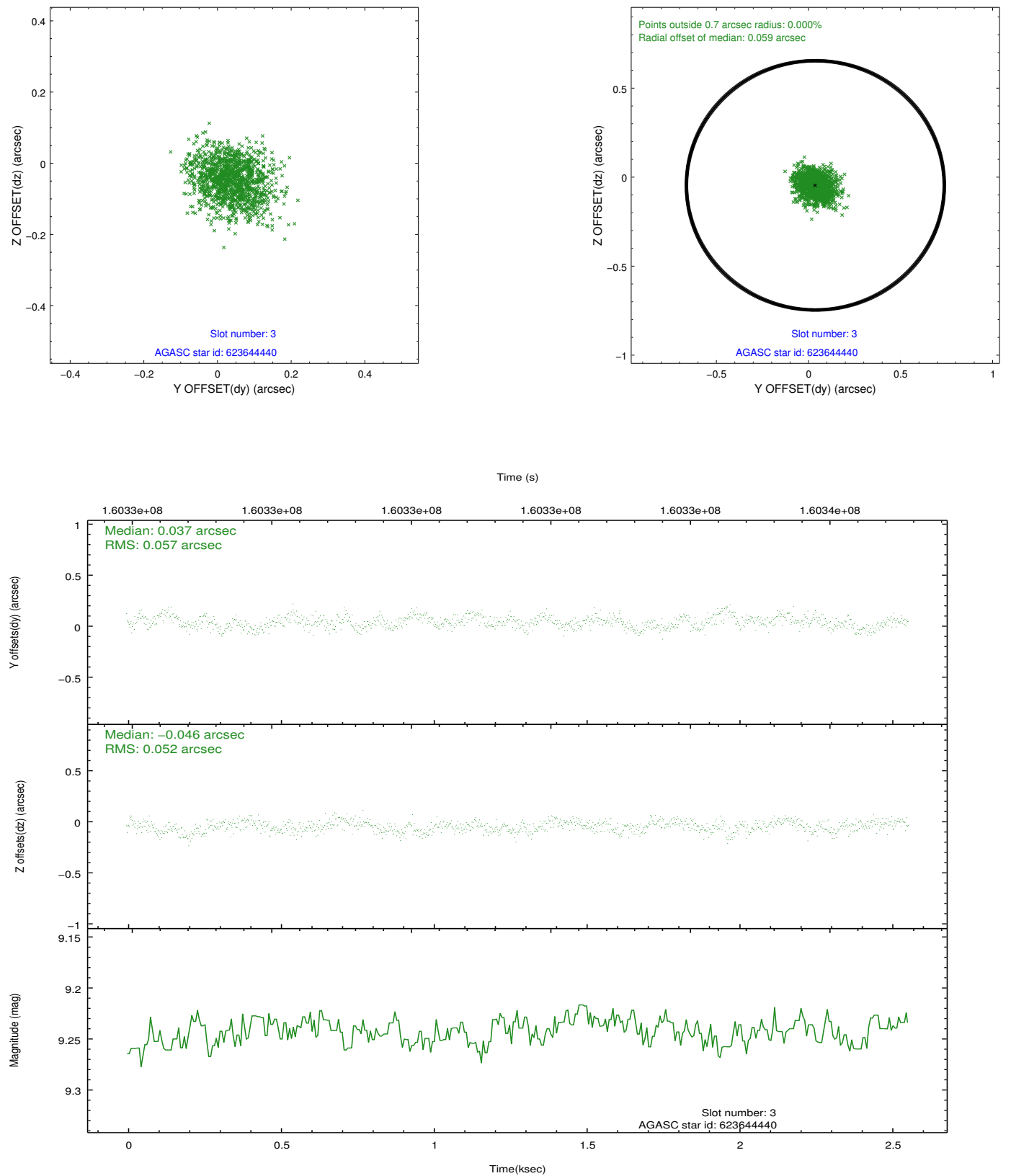


Slot Statistics

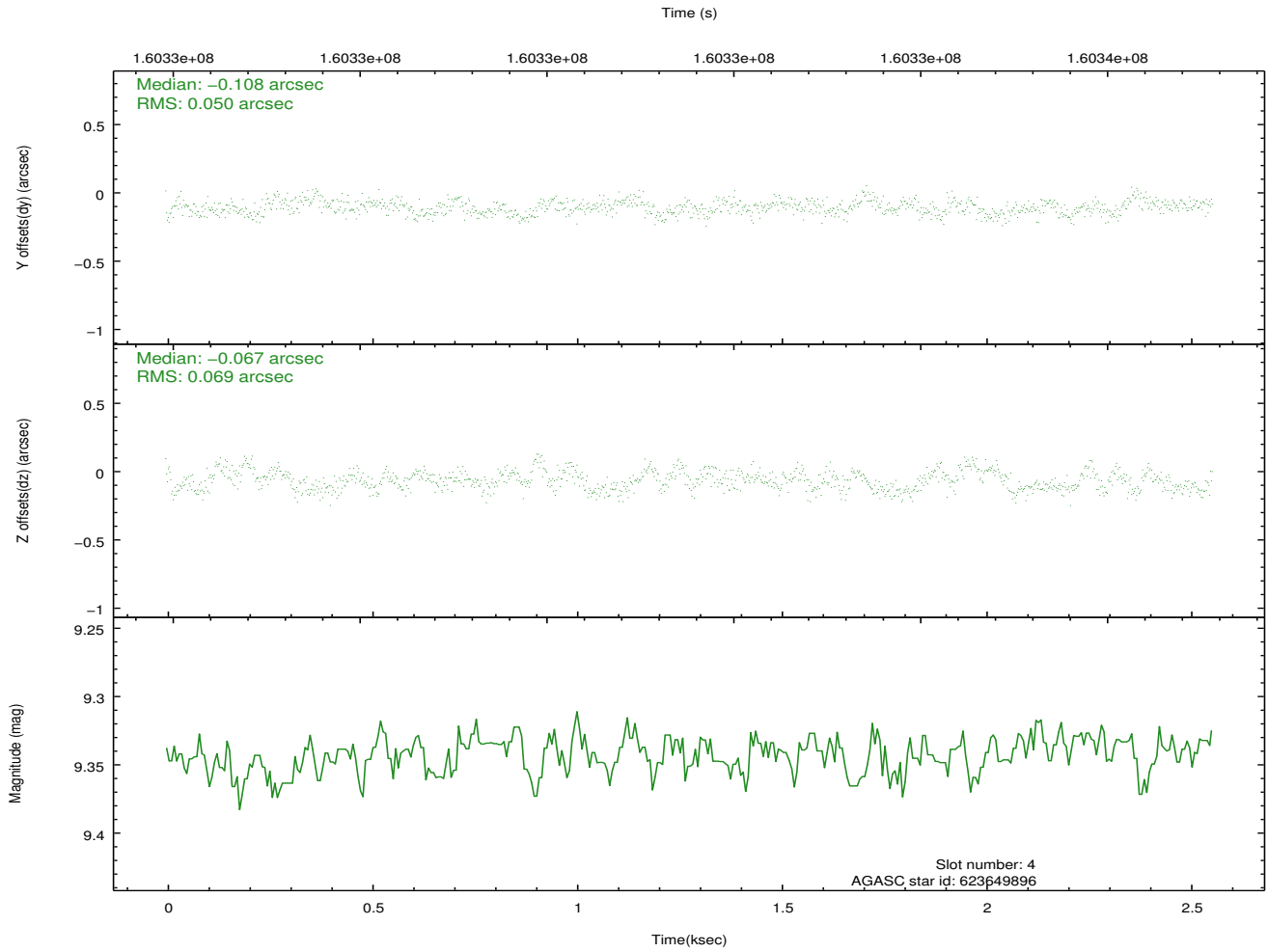
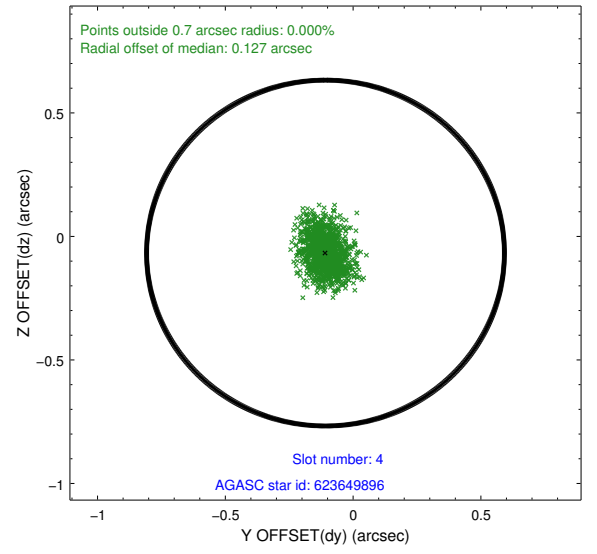
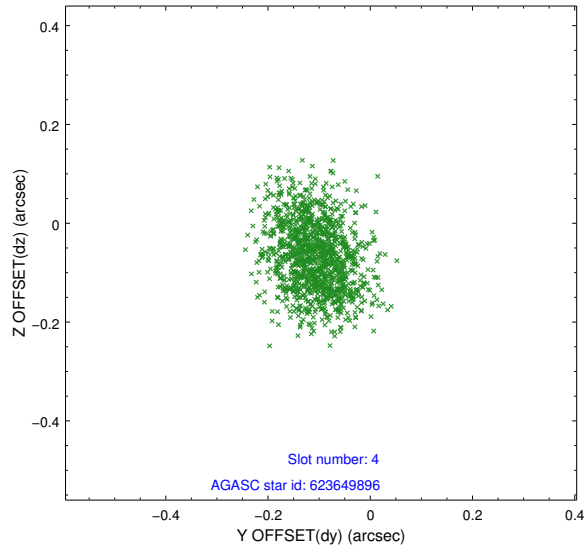
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	624	-0.029	0.061	0.006	0.010	0.000000	0.000000	936.90	-832.44
1	FID	ACIS-I-5	7.24	624	-0.072	0.023	0.006	0.010	0.000000	0.000000	-1809.86	1063.73
2	FID	ACIS-I-6	7.26	624	0.009	-0.014	0.007	0.011	0.000000	0.000000	399.73	1711.08
3	GUIDE	623644440	9.24	1247	0.037	-0.046	0.082	0.130	76.279011	-5.198816	1274.20	-2077.62
4	GUIDE	623649896	9.34	1247	-0.108	-0.067	0.091	0.148	76.105843	-4.972876	281.20	-2323.50
5	GUIDE	623651424	7.47	1248	0.141	0.009	0.064	0.106	76.730870	-5.165616	1813.15	-546.76
6	GUIDE	623780296	9.04	1248	-0.034	0.017	0.126	0.204	77.087071	-4.091479	-1217.03	2174.72
7	GUIDE	623783240	9.39	1247	-0.048	0.088	0.115	0.185	77.224845	-4.484939	276.51	2062.21

2.4 Star Slots

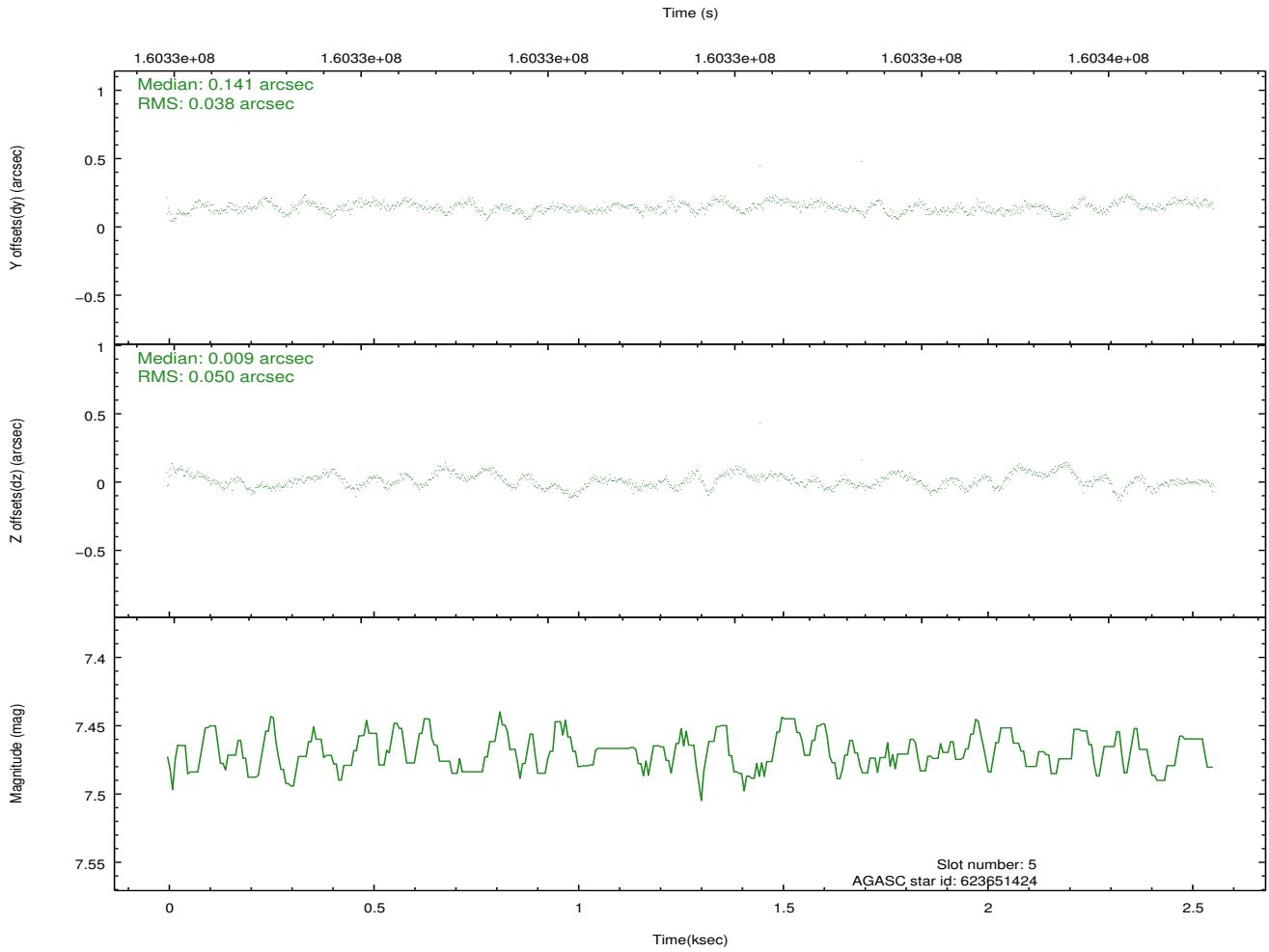
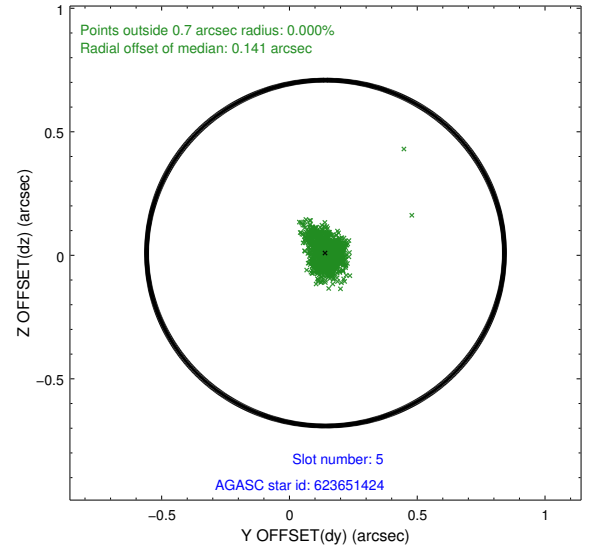
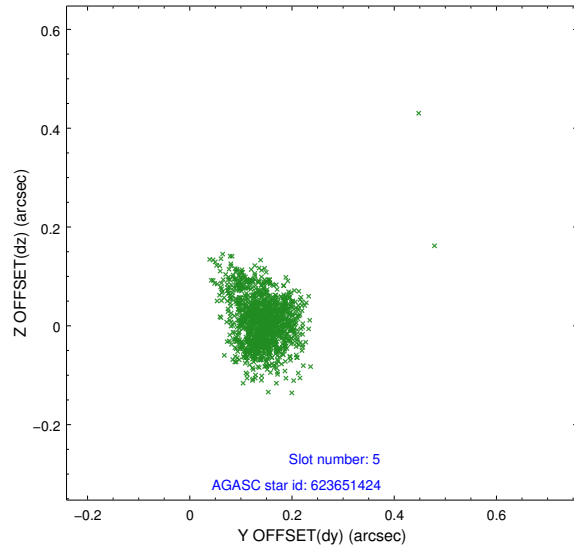
2.4.1 Slot 3



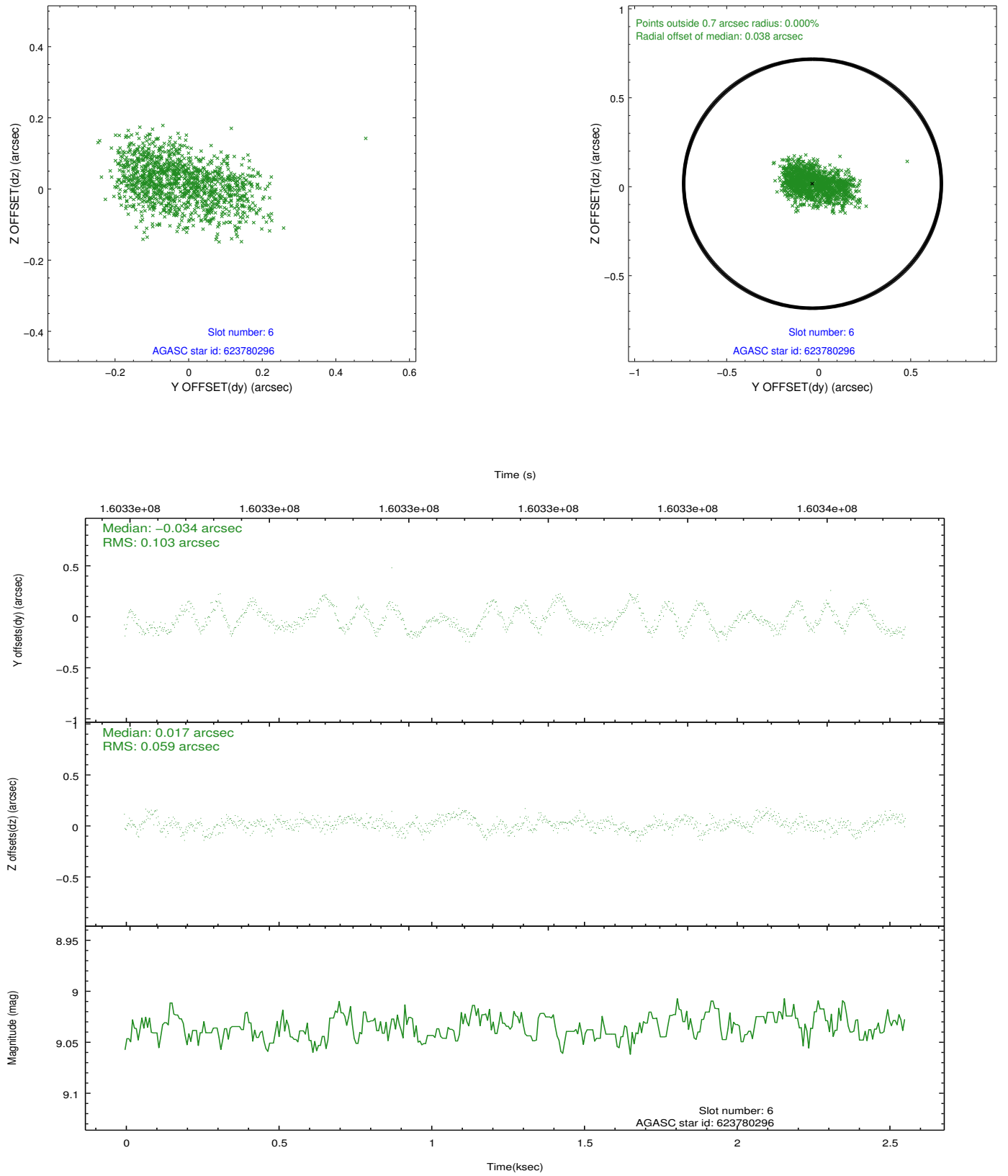
2.4.2 Slot 4



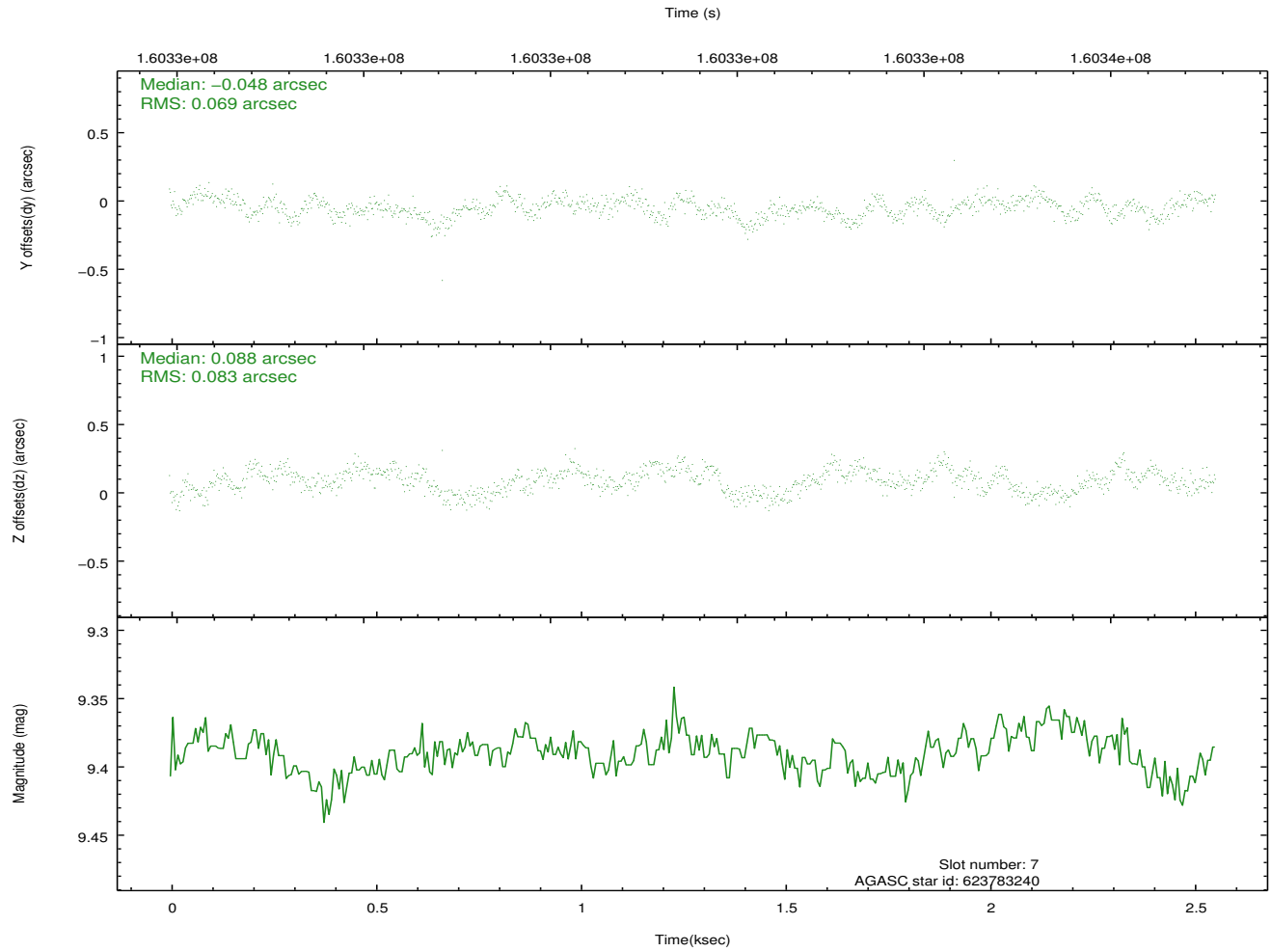
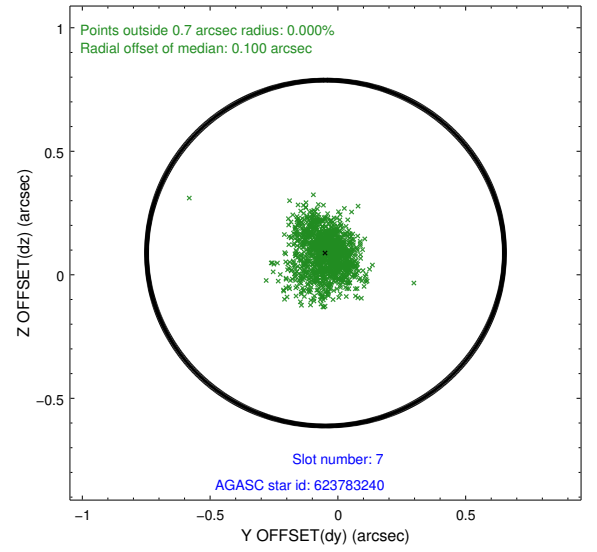
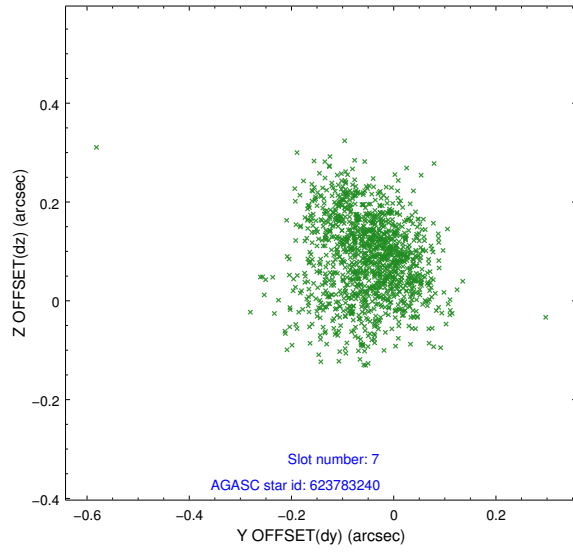
2.4.3 Slot 5



2.4.4 Slot 6

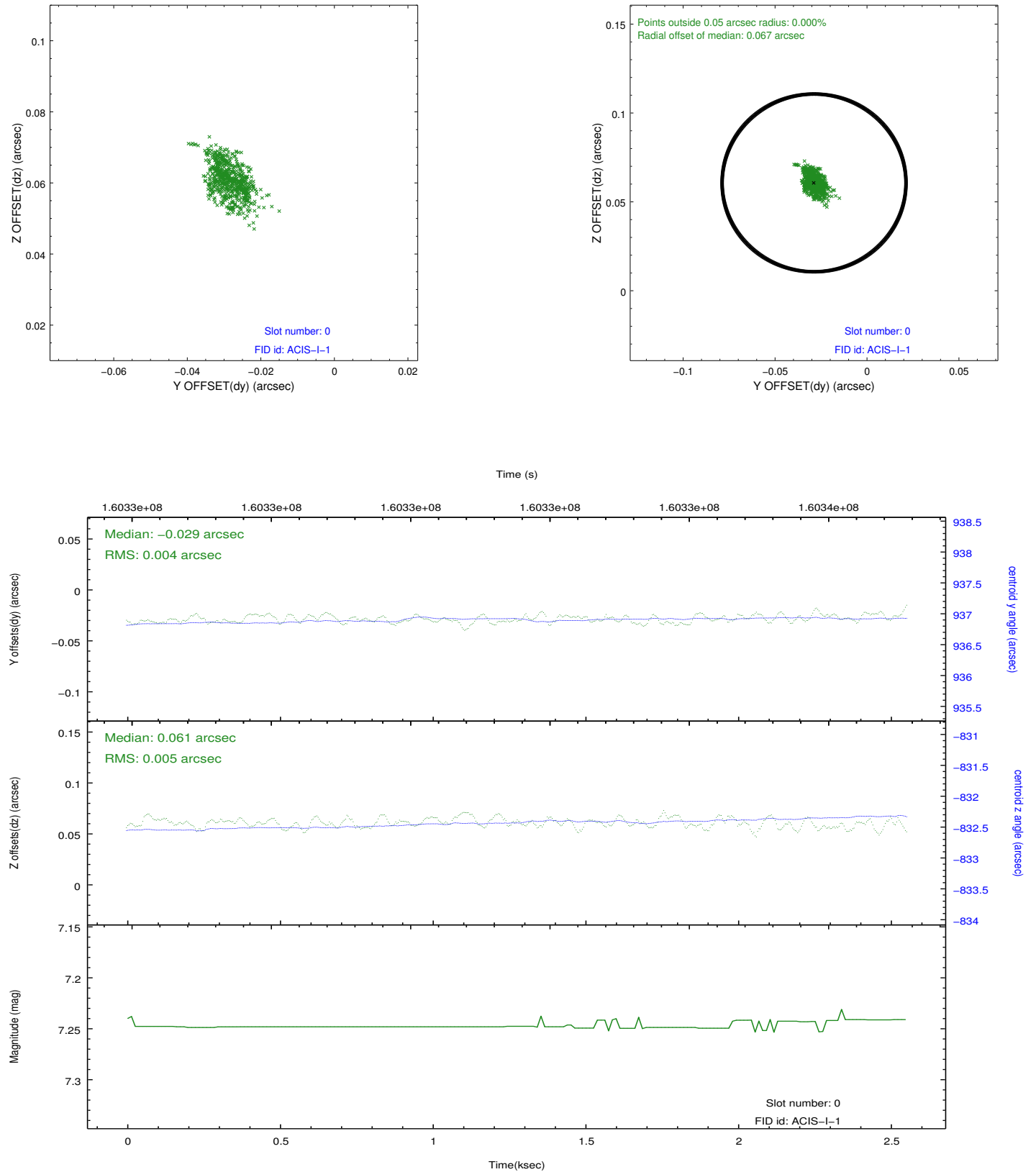


2.4.5 Slot 7

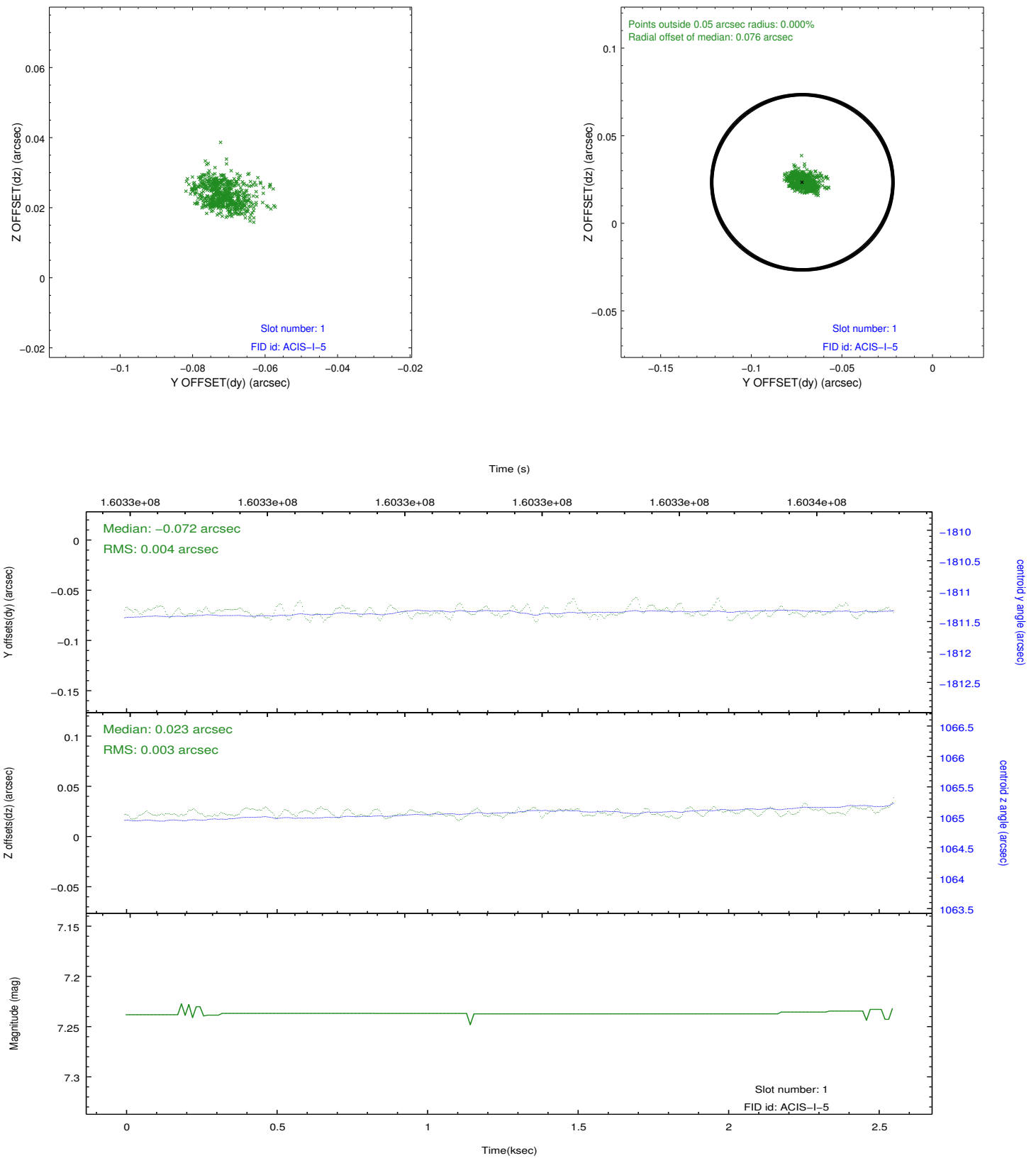


2.5 FID Slots

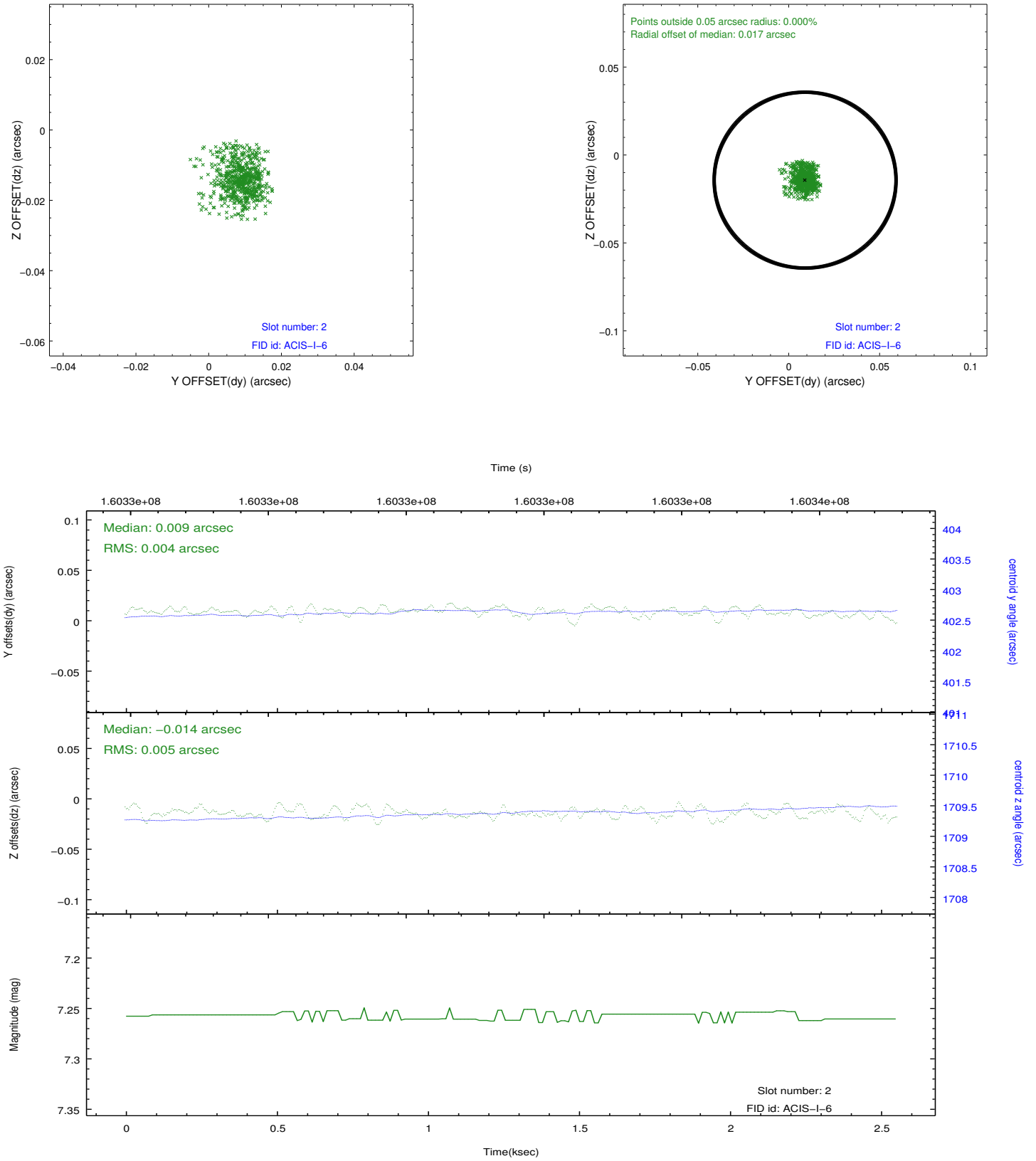
2.5.1 Slot 0



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)	2012.11.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.55

A.2 Comments