

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17181 - L2 Version 1
Chandra X-Ray Center

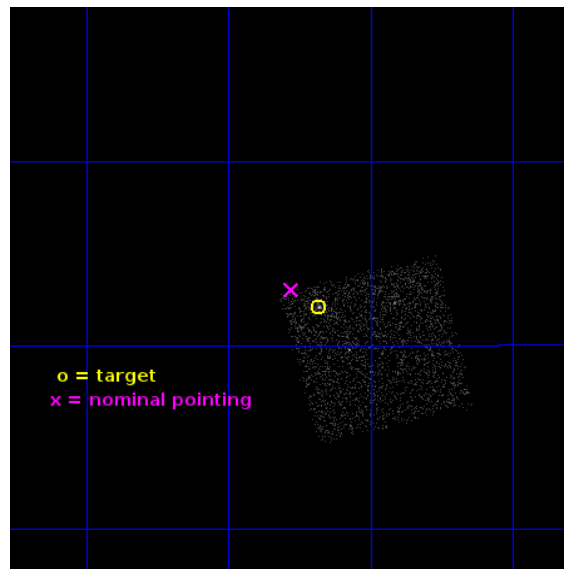
L2 Processing Date : Feb 9 2016

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

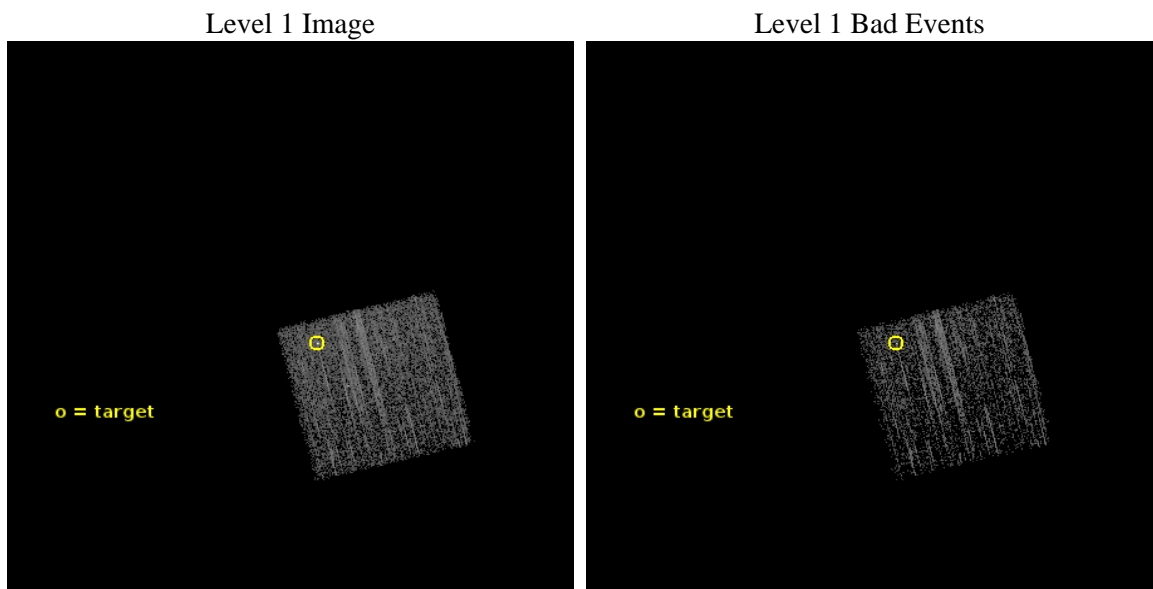
seq_num	801464	Sequence number
obs_id	17181	Observation id
title	UNMASKING GALAXY CLUSTERS MASQUERADING AS QUASARS	Proposal title
observer	Megan Donahue	Principal investigator
object	RXCJ121510.9+073205	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	183.795833	Observer's specified target RA [deg]
dec_targ	7.534611	Observer's specified target Dec [deg]
ra_nom	183.819765489	Nominal RA [deg]
dec_nom	7.5503542378981	Nominal Dec [deg]
roll_nom	76.153518914203	Nominal Roll [deg]
revision	1	Processing version of data
ontime	6115.5898445845	Sum of GTIs [s]
livetime	6033.0576163922	Livetime [s]
ontime3	6115.5898445845	Sum of GTIs [s]
l2events	4469	Number of level 2 events



2 OBI

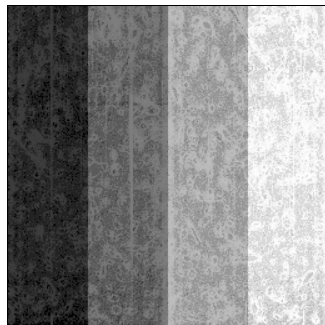
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	6115.5898445845	Sum of GTIs [s]
caldsver	4.7.0	 	ontime3	6115.5898445845	Sum of GTIs [s]
date	2016-02-09T14:07:45	Date and time of file creation	l1events	36763	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

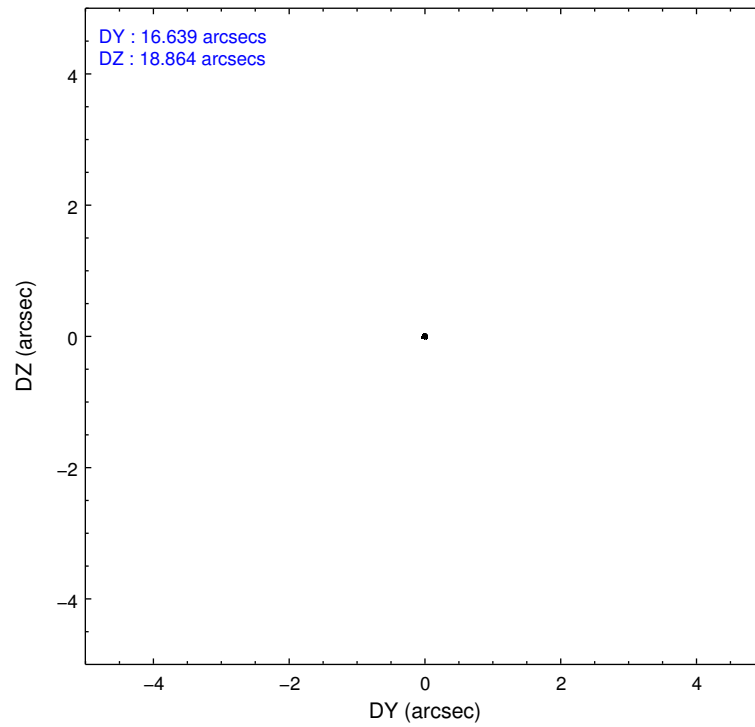
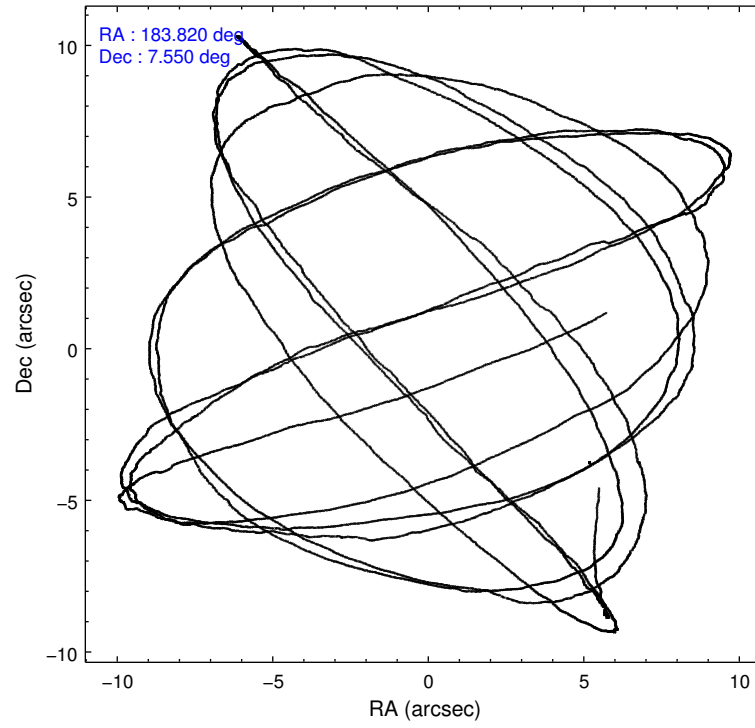
	ccd 3
level 1 events	36763
rejected events	32005
rejected %	87%

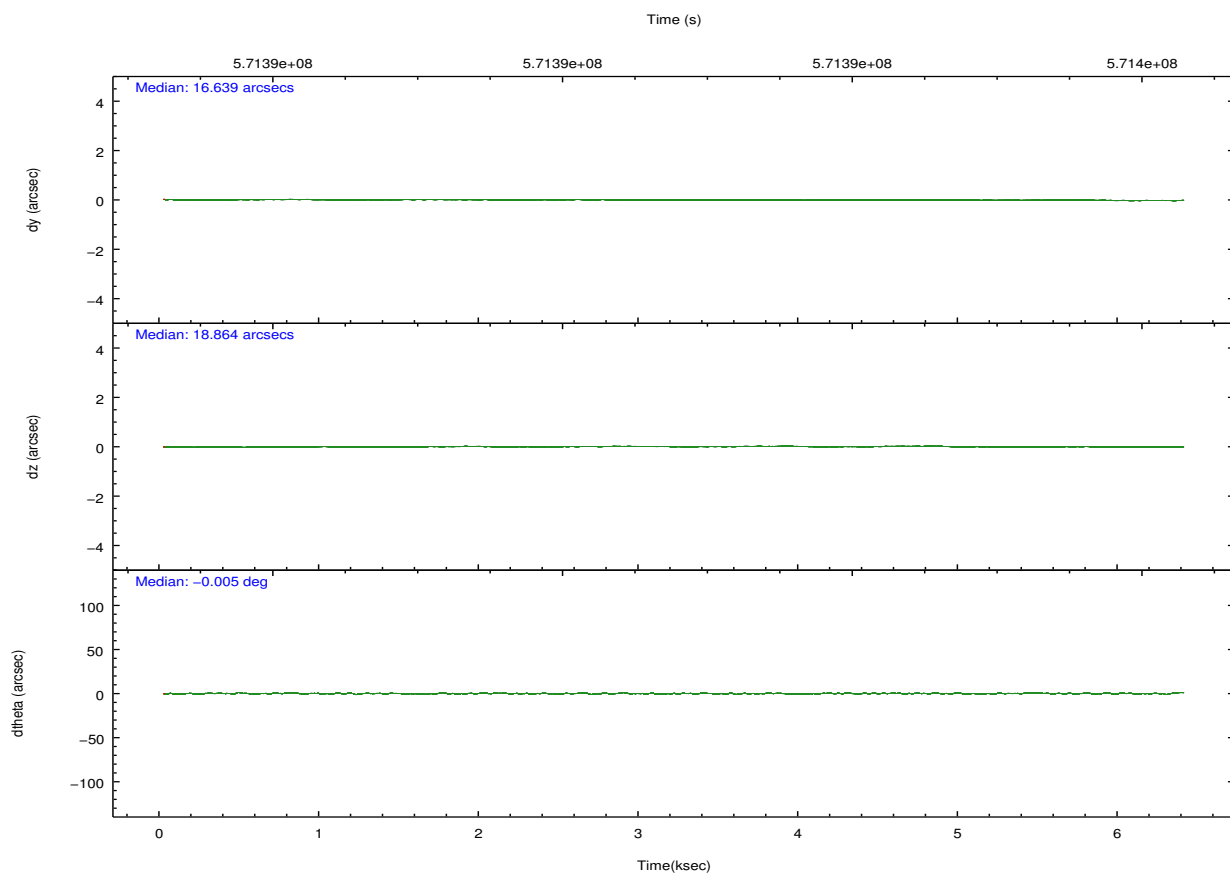
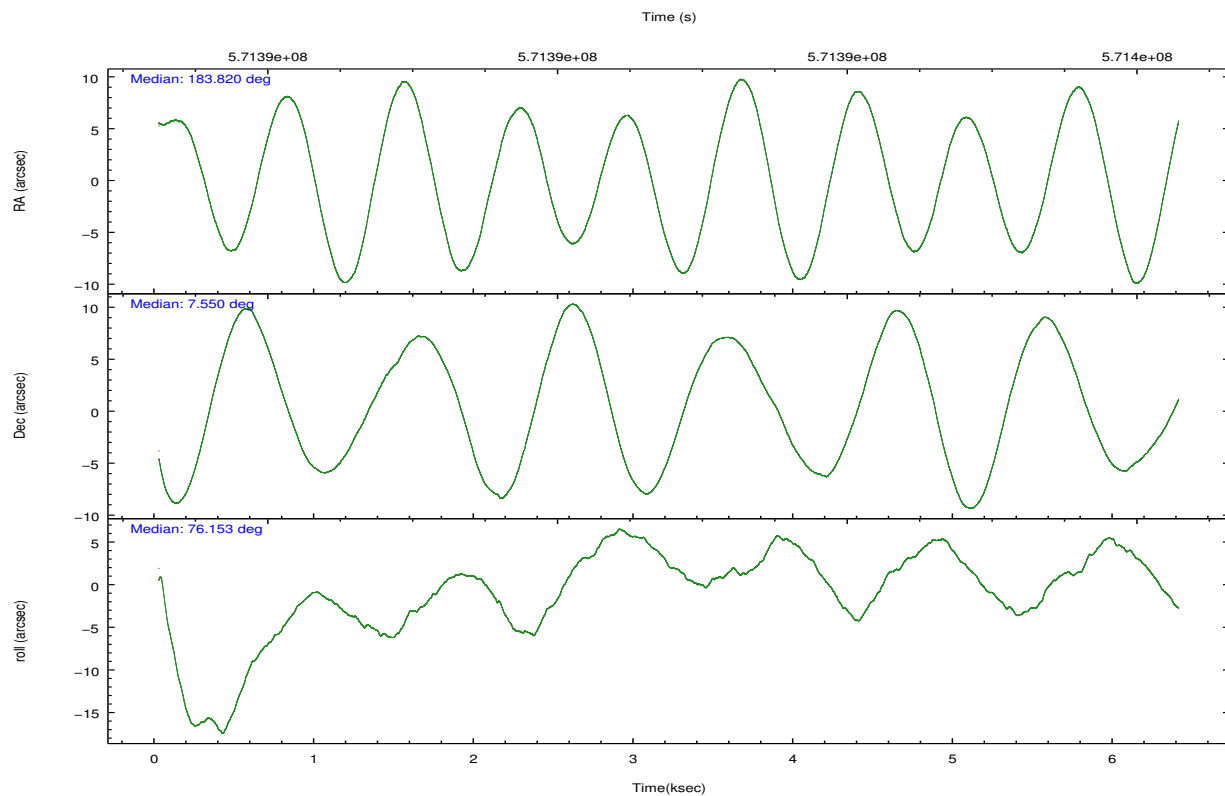
	ccd 3
grade 0 events	2212
	6%
grade 1 events	88
	0%
grade 2 events	947
	2%
grade 3 events	417
	1%
grade 4 events	415
	1%
grade 5 events	1434
	3%
grade 6 events	773
	2%
grade 7 events	30477
	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3	ACIS-3	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	183.827649	183.8197654890041	Subarray requested	NONE	NONE
[deg] Pointing Dec	7.523946	7.550354237898091	Alternating exposures requested	N	N
[deg] Pointing Roll	75.943782	76.15351891420275	[s] Primary exposure time	0.000000	3
[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)	571389986.184000	571389192.57023			
Observation start date	2016-02-09T07:25:18	2016-02-09T07:13:12			
[s] Observation end time (MET)	571395986.184000	571396350.14563			
Observation end date	2016-02-09T09:05:18	2016-02-09T09:12:30			
Read mode	TIMED	TIMED			

2.3 Aspect



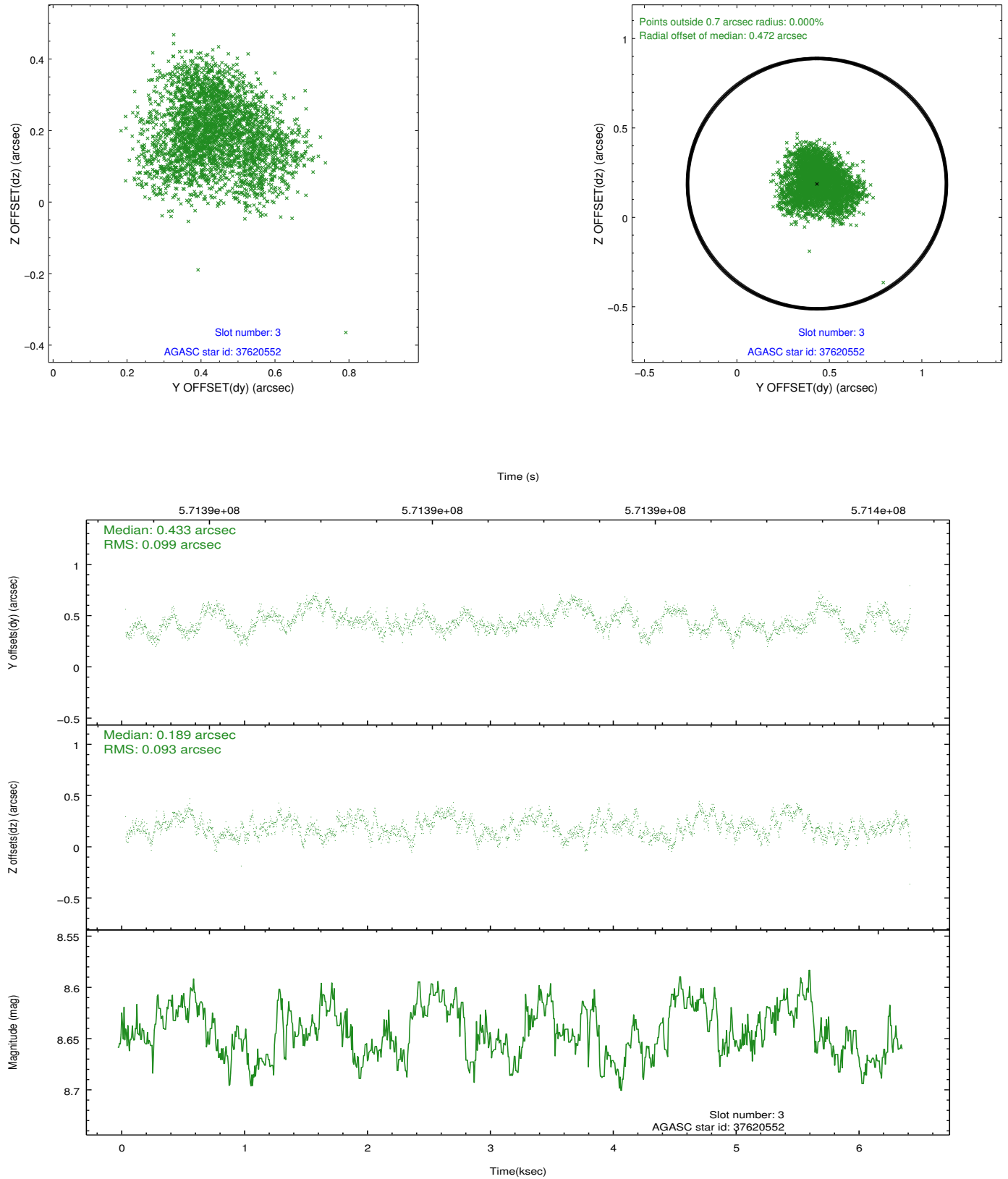


Slot Statistics

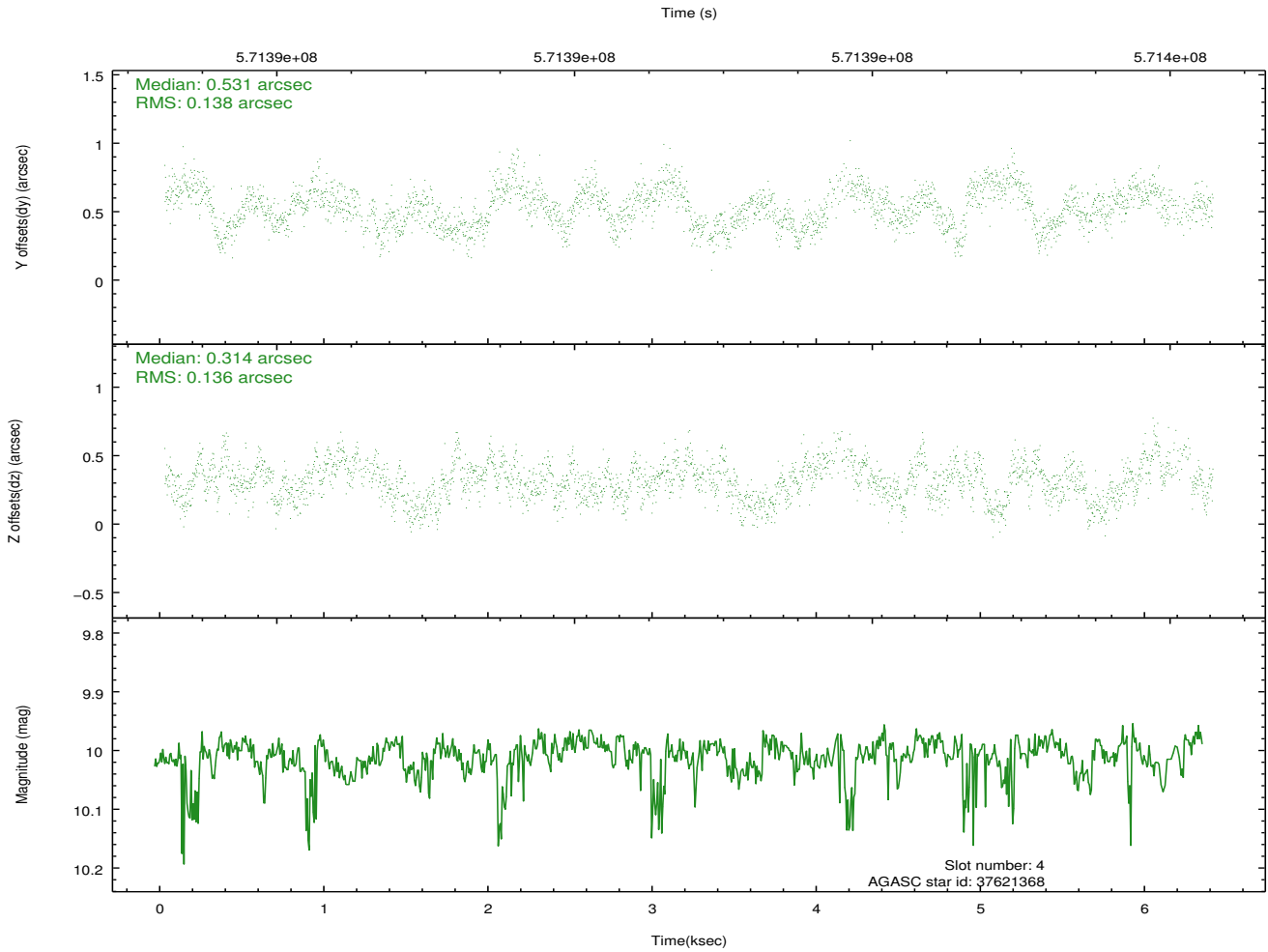
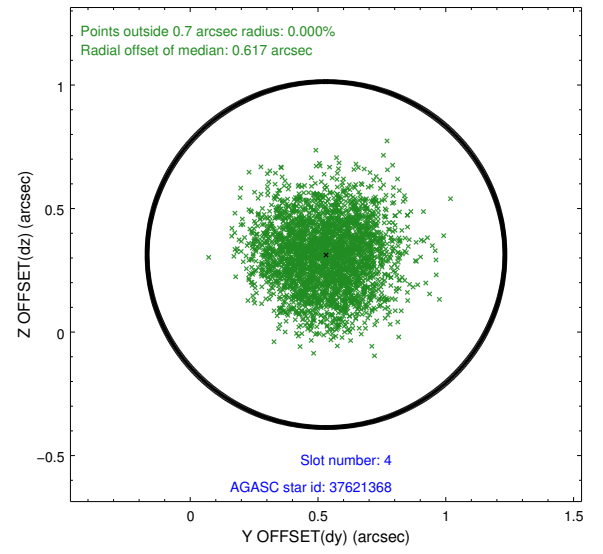
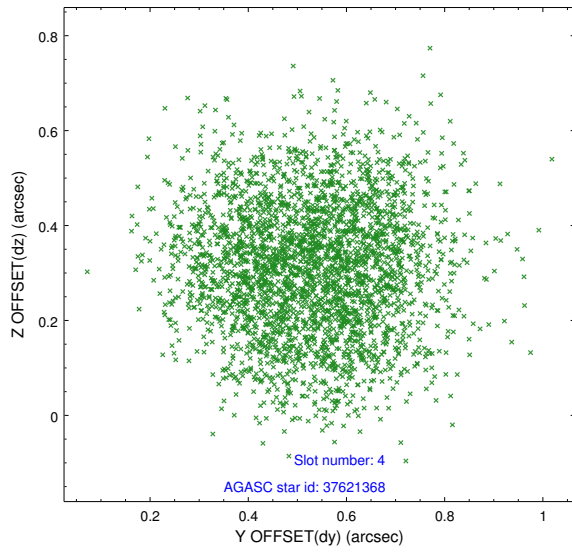
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-1	7.28	1558	0.072	-0.016	0.006	0.010	0.000000	0.000000	922.89	-842.54
1	FID		ACIS-I-5	7.28	1558	-0.369	0.034	0.006	0.010	0.000000	0.000000	-1825.24	1054.41
2	FID		ACIS-I-6	7.30	1558	0.206	0.052	0.007	0.012	0.000000	0.000000	387.45	1700.07
3	GUIDE	used	37620552	8.64	3115	0.433	0.189	0.151	0.225	184.111141	7.355457	-341.06	-1127.35
4	GUIDE	used	37621368	10.01	3017	0.531	0.314	0.209	0.321	183.815847	7.010576	-1802.08	-407.66
5	GUIDE	used	113509048	9.54	3116	-0.315	-0.354	0.173	0.265	183.510128	7.972975	1293.20	1490.82
6	GUIDE	used	113509704	9.17	3110	-0.370	-0.375	0.172	0.277	183.412646	7.957094	1153.02	1814.69
7	GUIDE	used	114426224	8.83	3113	-0.283	0.219	0.133	0.202	184.430539	7.663672	1012.71	-1963.07

2.4 Star Slots

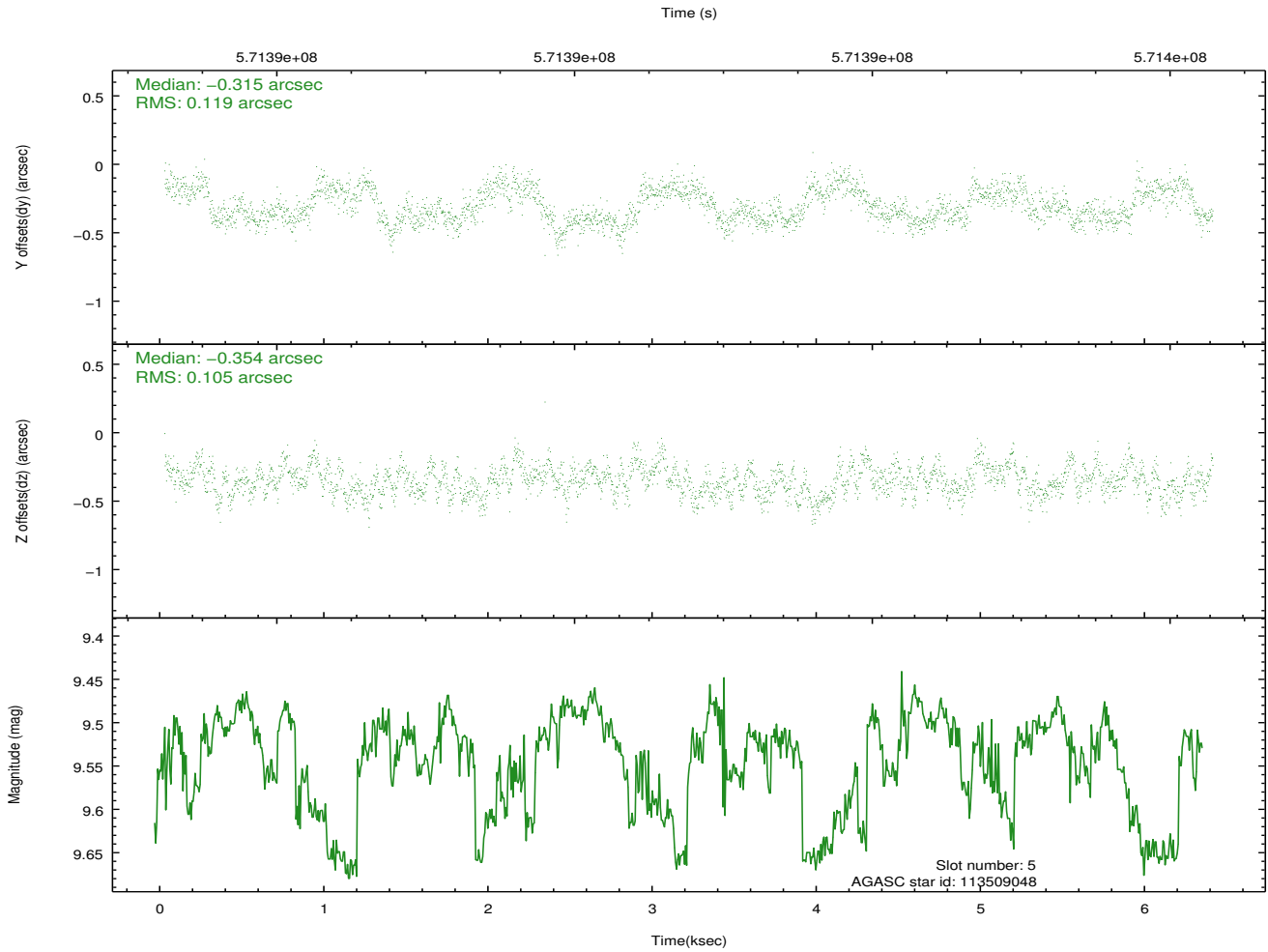
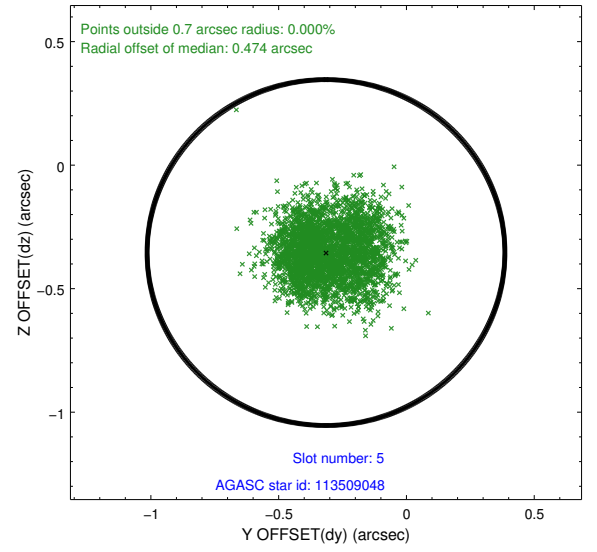
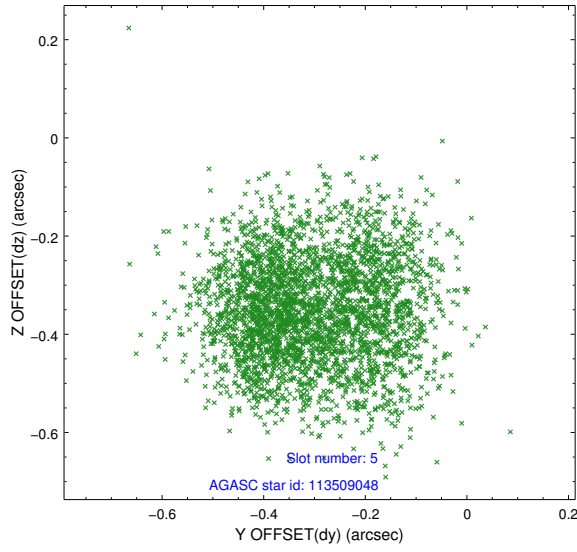
2.4.1 Slot 3



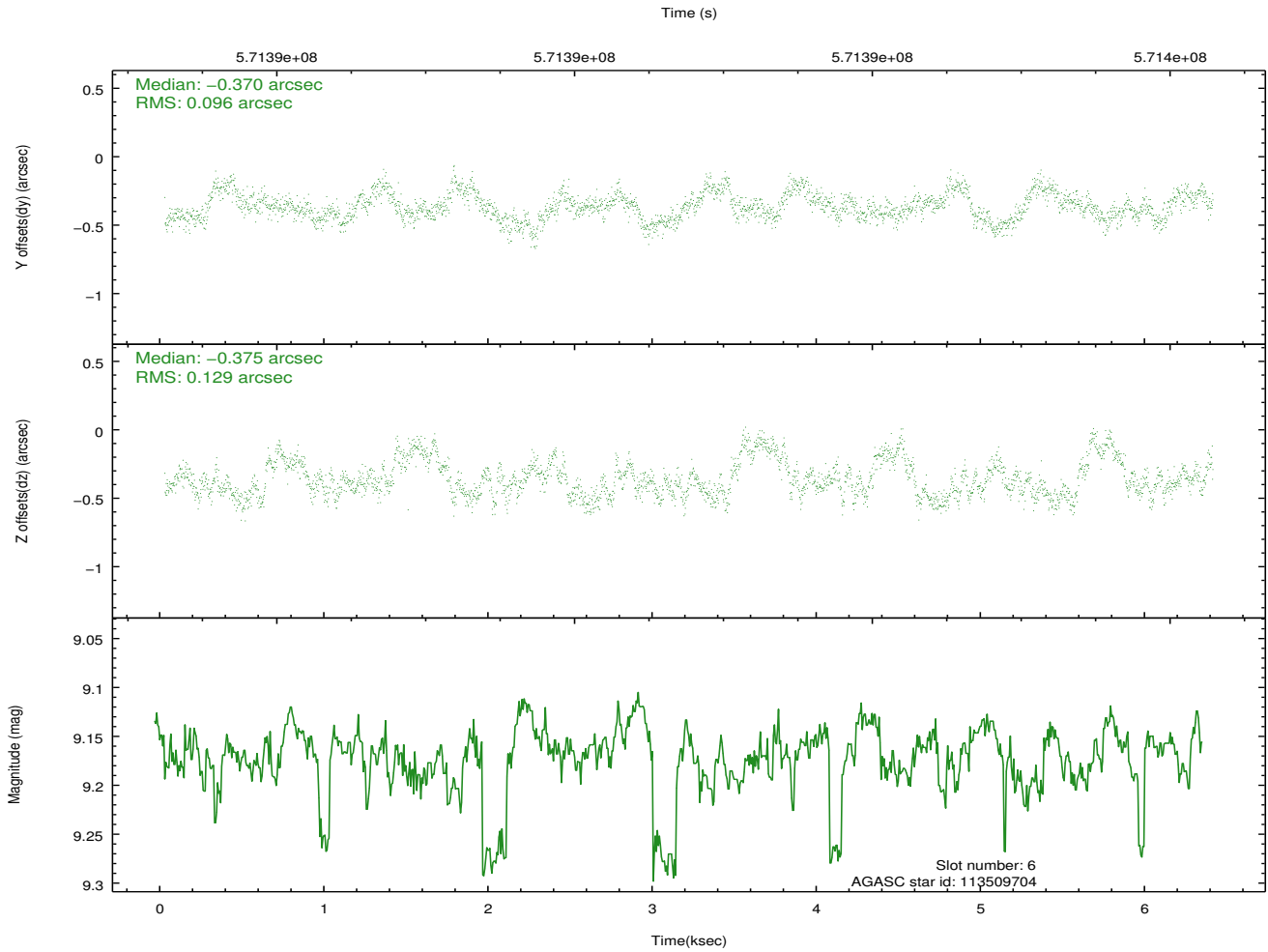
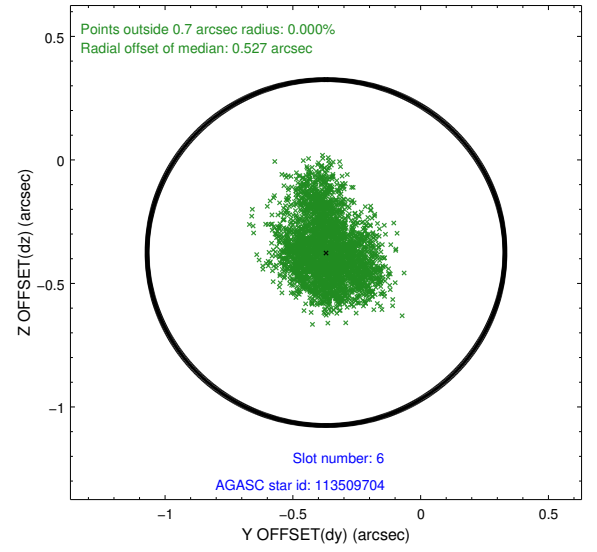
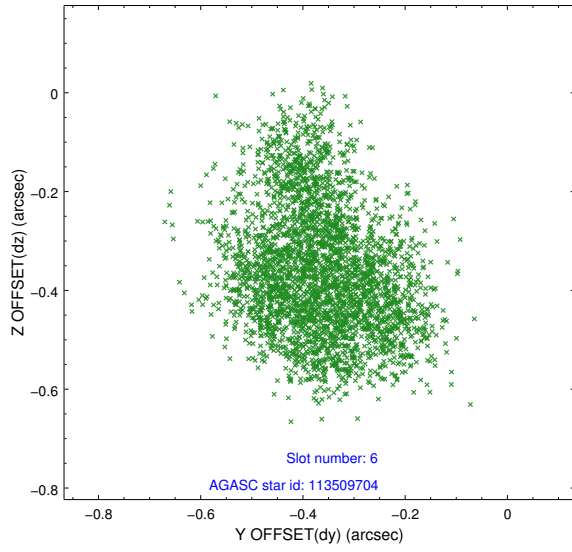
2.4.2 Slot 4



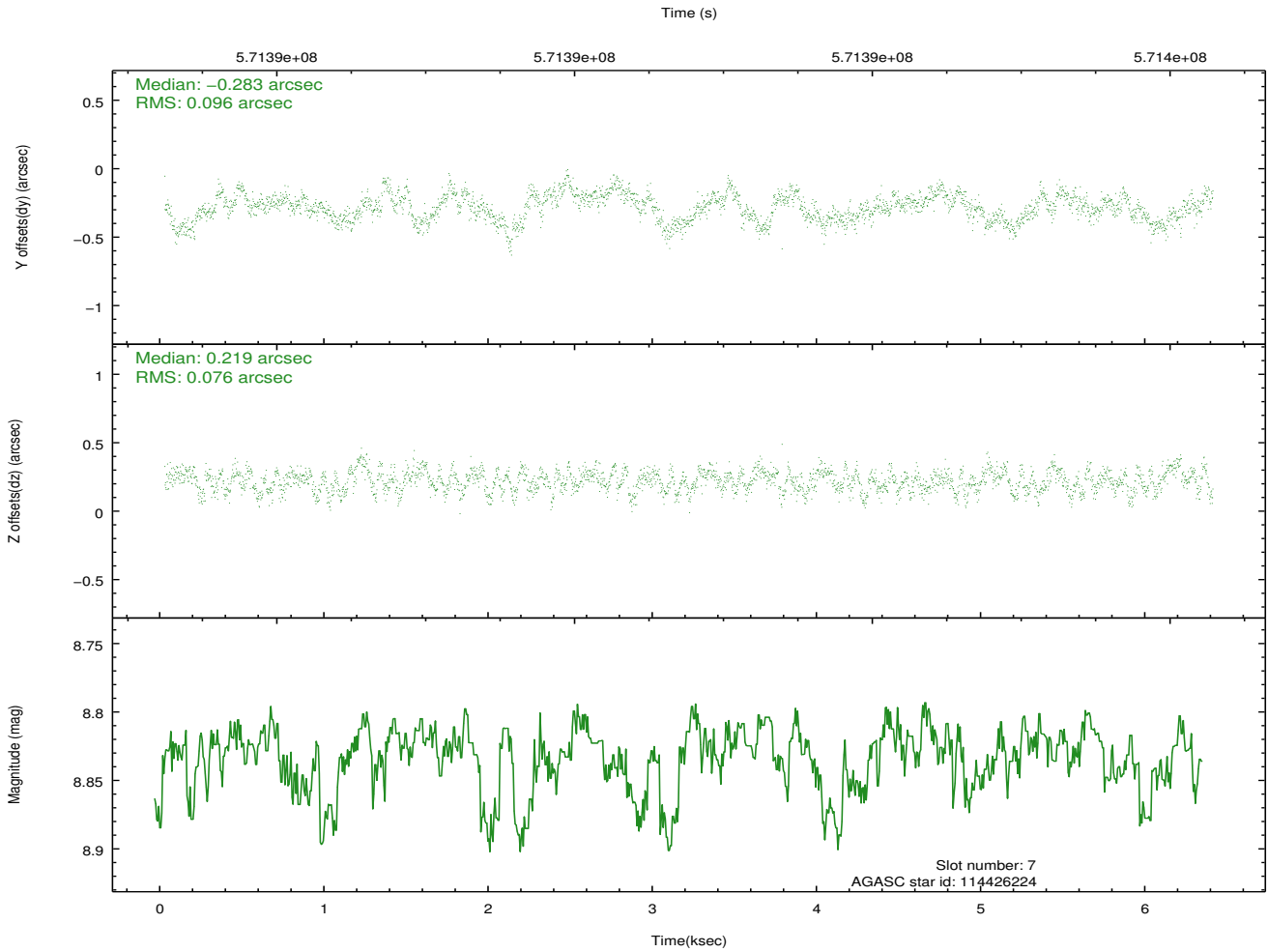
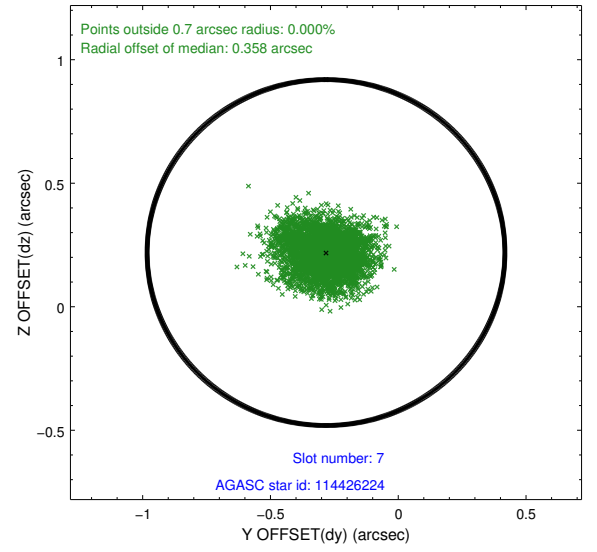
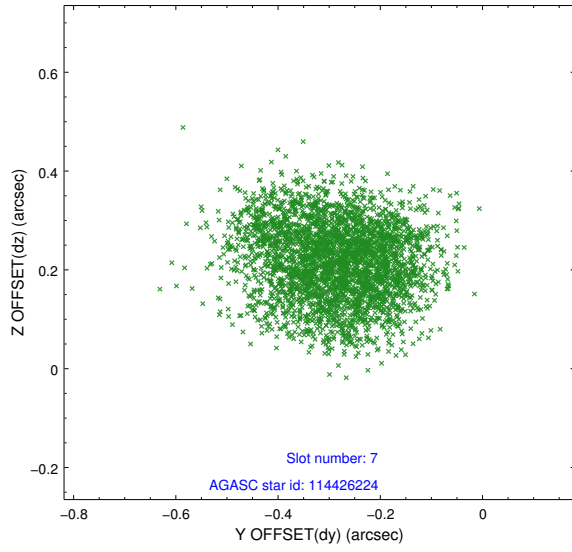
2.4.3 Slot 5



2.4.4 Slot 6

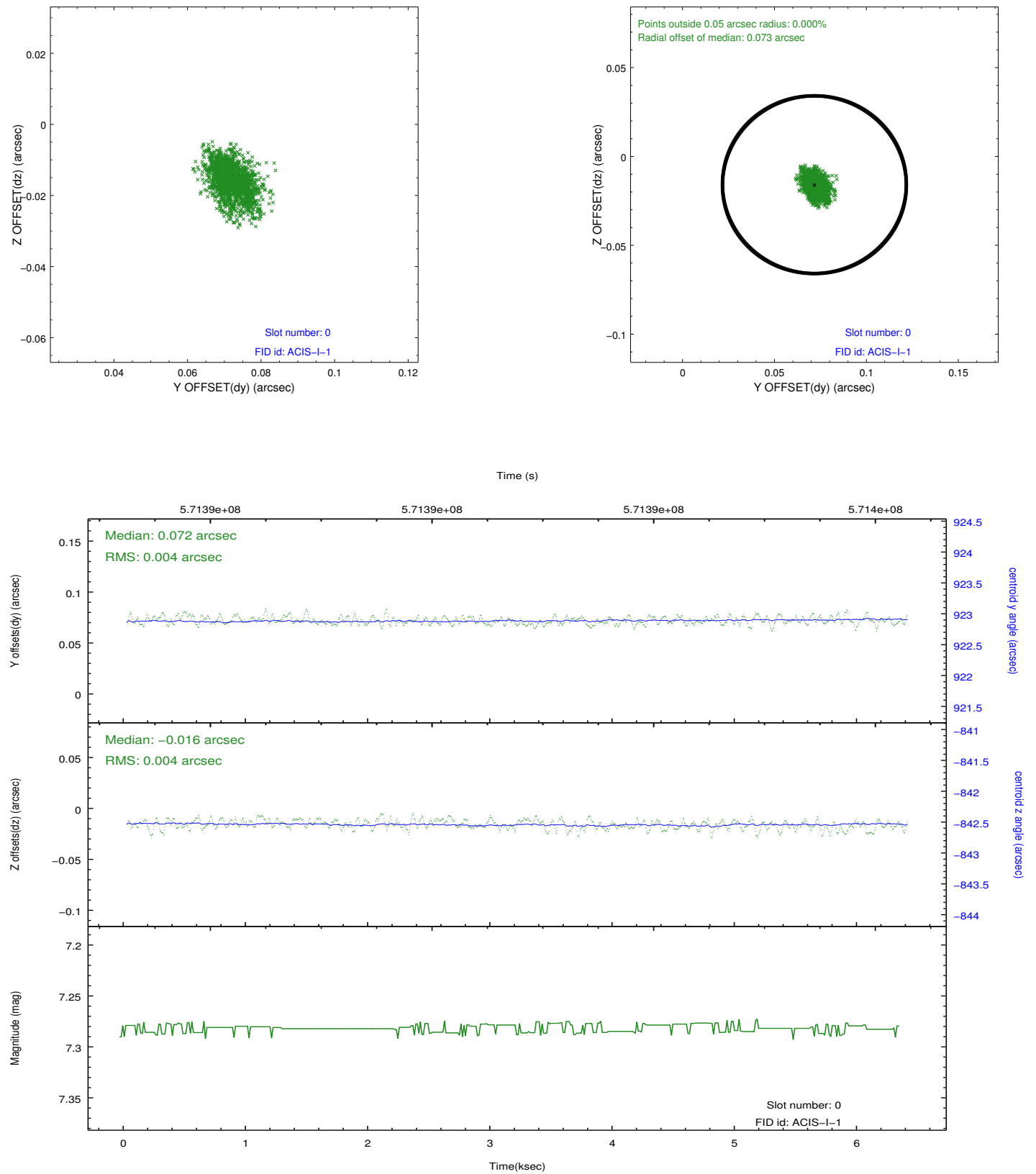


2.4.5 Slot 7

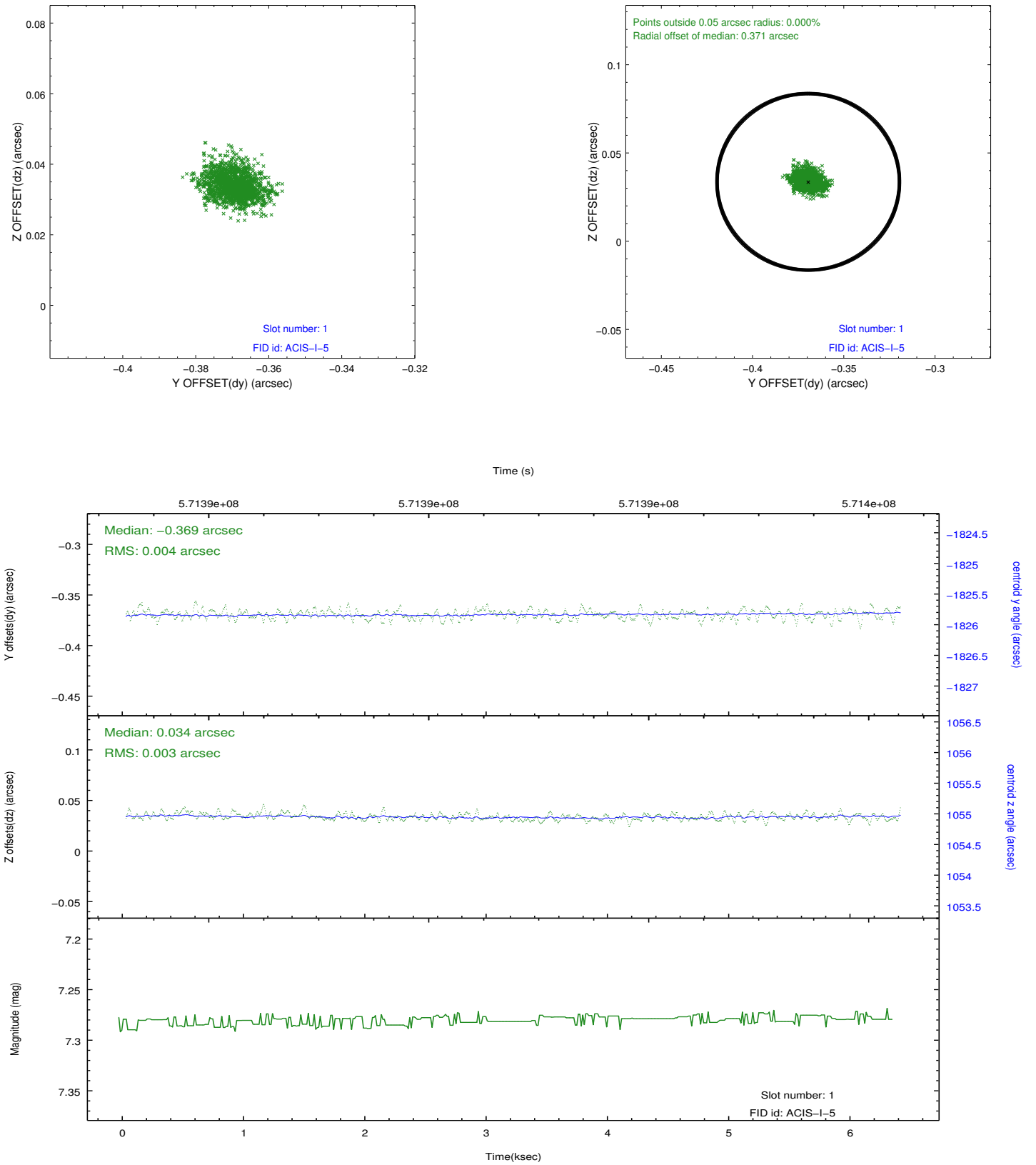


2.5 FID Slots

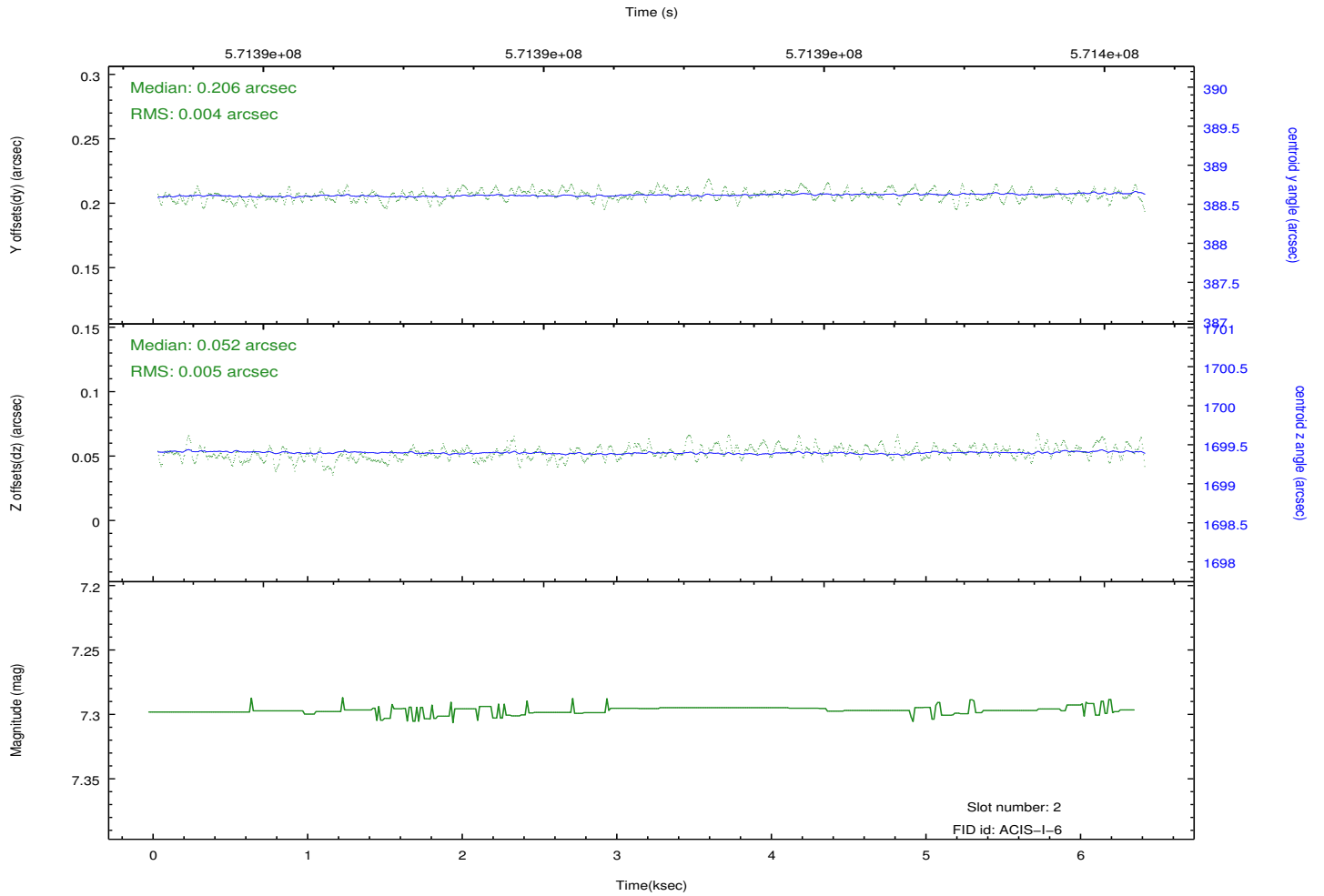
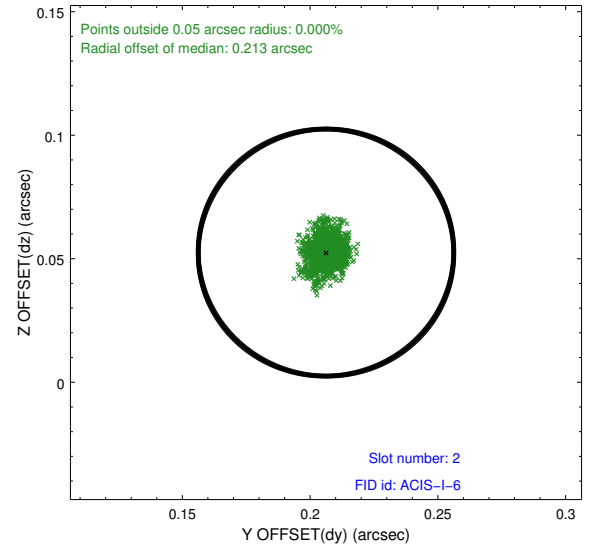
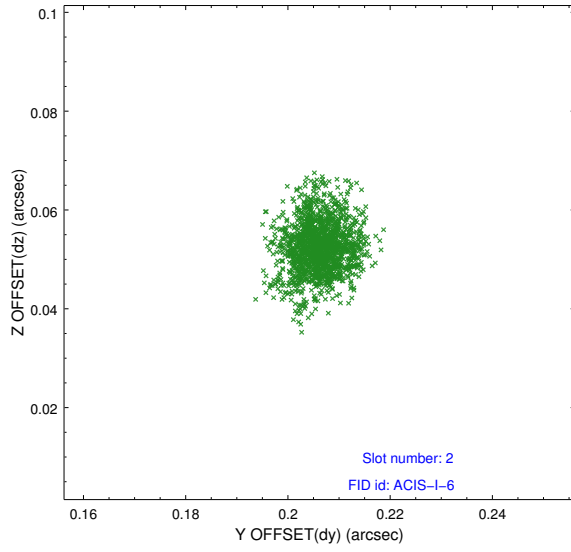
2.5.1 Slot 0



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)	2016.02.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.1155898445845

A.2 Comments