

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2110 - L2 Version 3
Chandra X-Ray Center

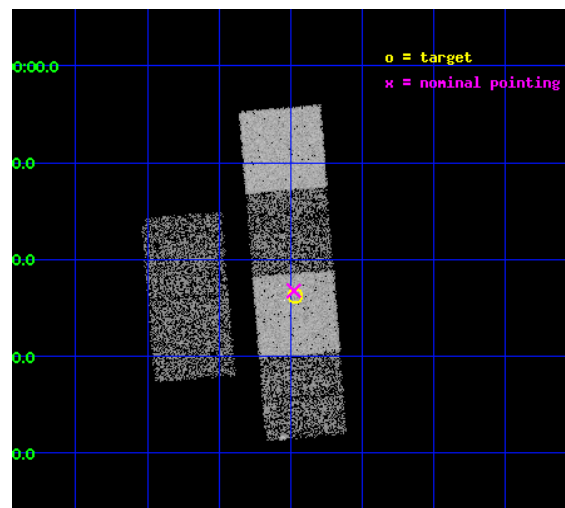
L2 Processing Date : Sep 14 2012

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

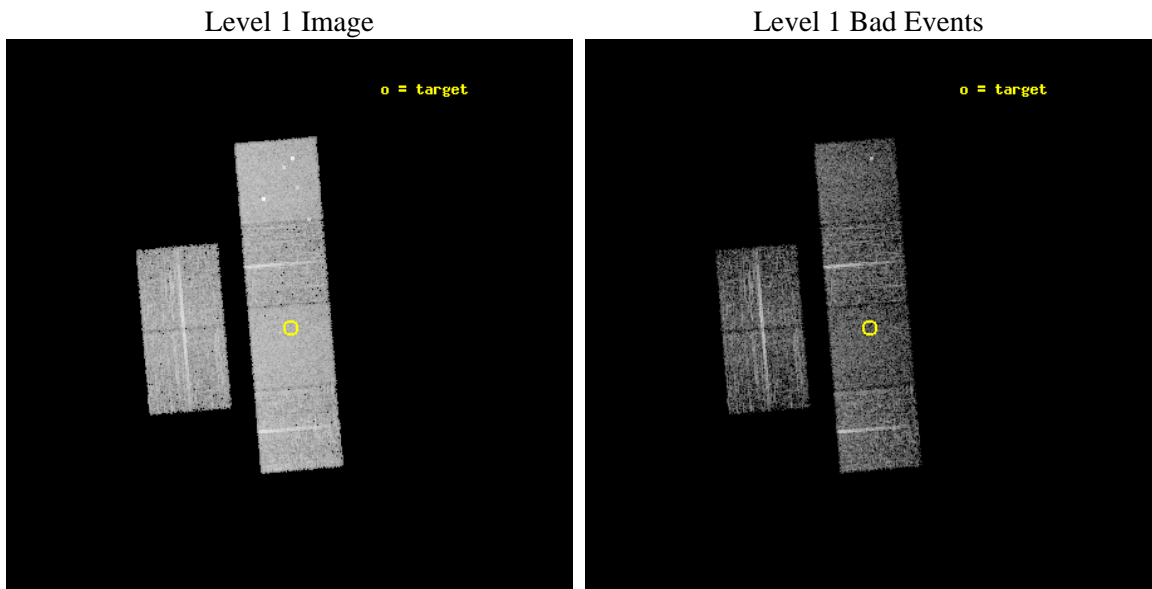
seq_num	700300	Sequence number
obs_id	2110	Observation id
title	PUBLIC OBSERVATIONS OF A WELL-DEFINED SAMPLE OF BAL QSOs FROM THE LARGE BRIGHT QUASAR SURVEY: REMOVING THE BARRIERS	Proposal title
observer	Prof. William Brandt	Principal investigator
object	LBQS 1331-0108	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	203.616667	Observer's specified target RA [deg]
dec_targ	-1.397	Observer's specified target Dec [deg]
ra_nom	203.61922197879	Nominal RA [deg]
dec_nom	-1.3874966333926	Nominal Dec [deg]
roll_nom	85.2605793867	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5123.2000047565	Sum of GTIs [s]
livetime	5058.3269614755	Livetime [s]
ontime2	5123.2000047565	Sum of GTIs [s]
ontime3	5123.2000047565	Sum of GTIs [s]
ontime5	5123.2000047565	Sum of GTIs [s]
ontime6	5123.2000047565	Sum of GTIs [s]
ontime7	5123.2000047565	Sum of GTIs [s]
ontime8	5123.2000047565	Sum of GTIs [s]
l2events	51787	Number of level 2 events



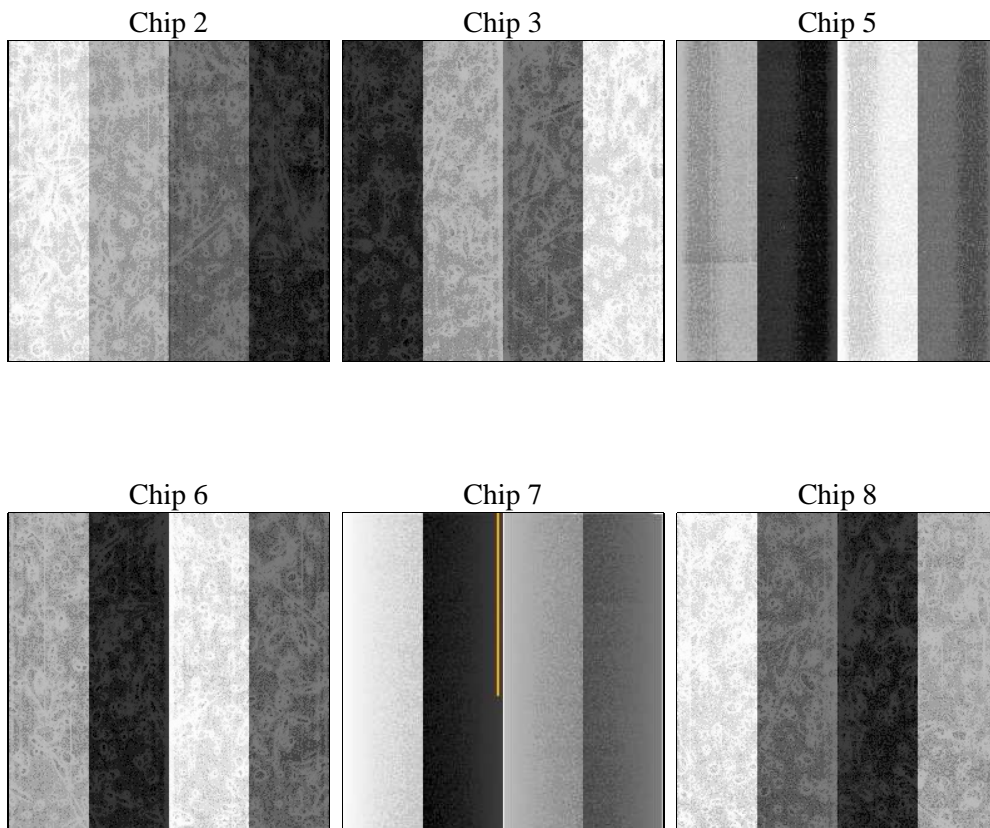
2 OBI

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	8.4.5	Processing system revision	ontime	5123.2000047565	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	5123.2000047565	Sum of GTIs [s]
date	2012-09-14T04:13:25	Date and time of file creation	ontime3	5123.2000047565	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5123.2000047565	Sum of GTIs [s]
			ontime6	5123.2000047565	Sum of GTIs [s]
			ontime7	5123.2000047565	Sum of GTIs [s]
			ontime8	5123.2000047565	Sum of GTIs [s]
			l1events	238141	Number of level 1 events

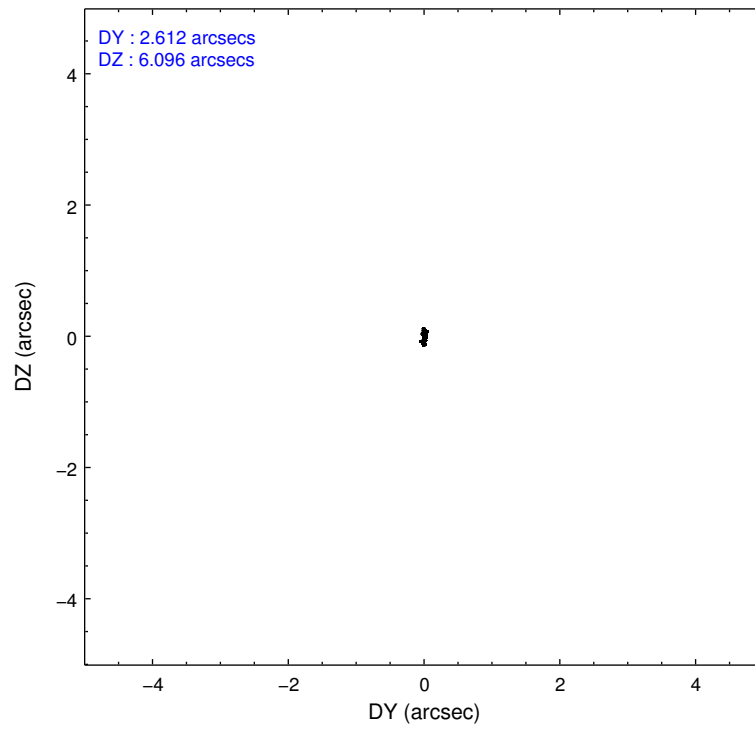
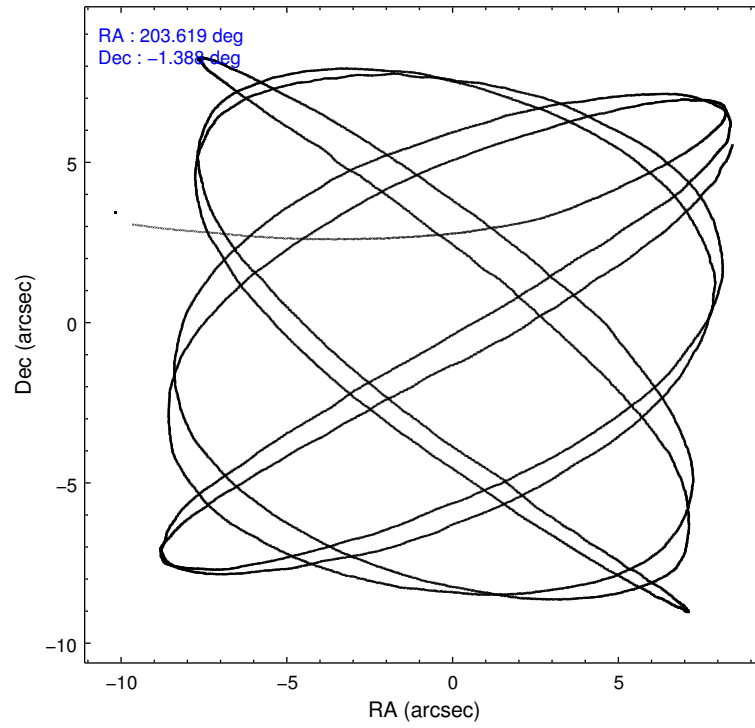
2.1.4 Events

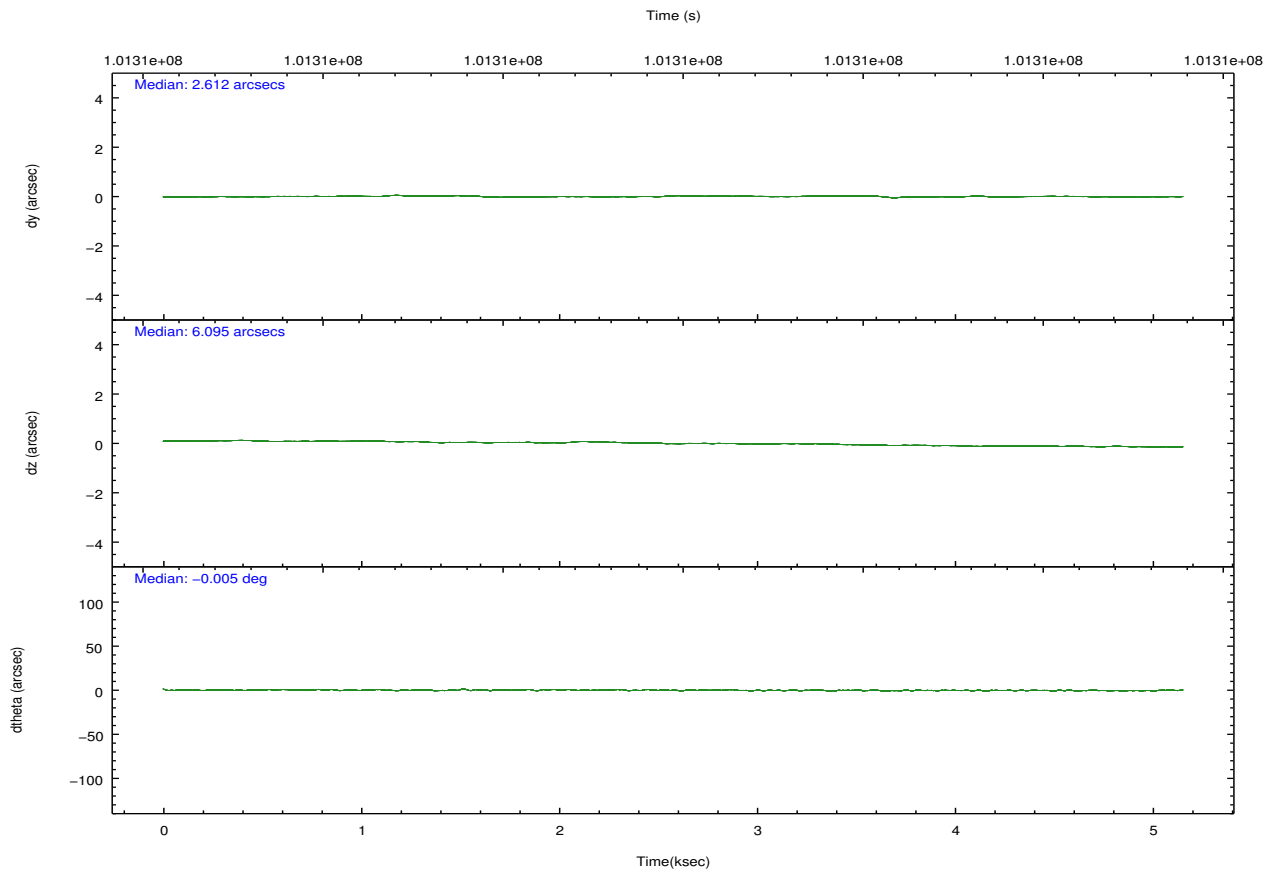
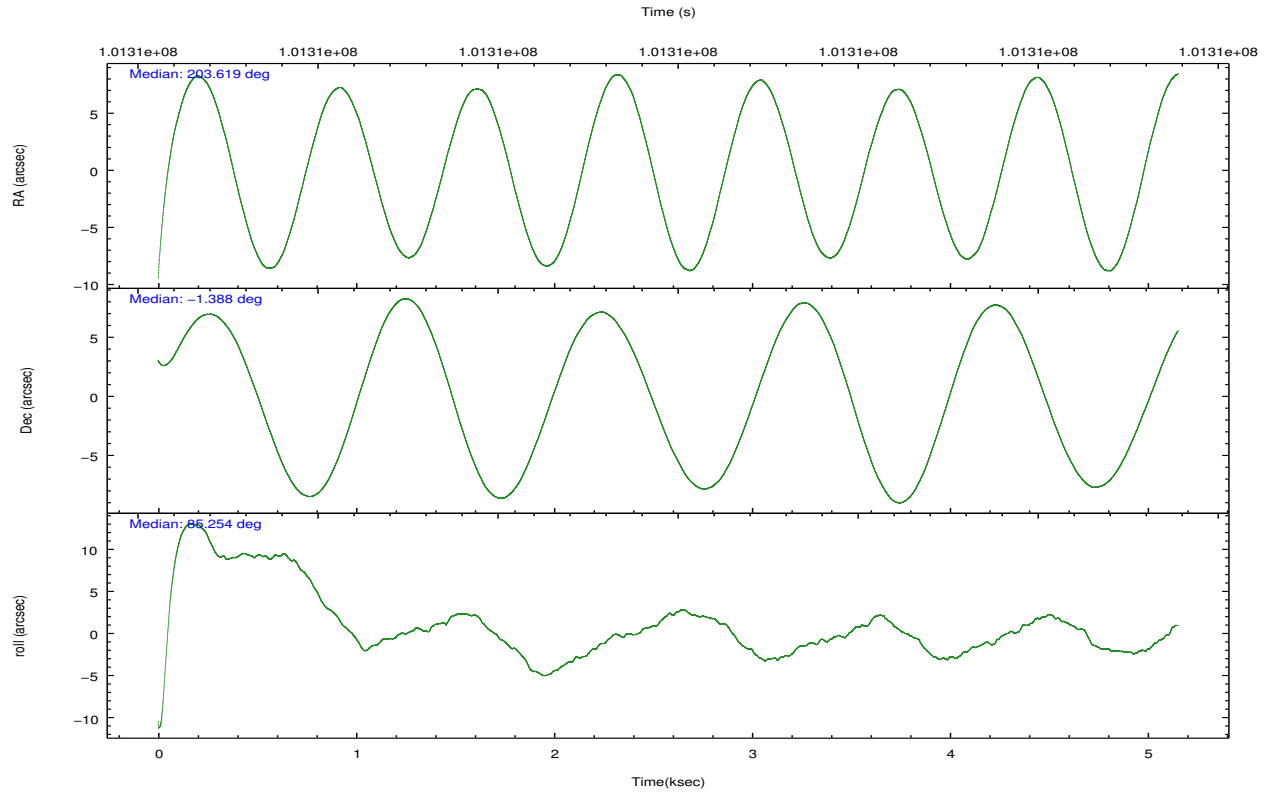
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	34246	33543	49060	34662	43256	43374	grade 0 events	1665	1607	3017	1658	1753	2836
rejected events	30400	29775	26220	30672	25240	34576		4%	4%	6%	4%	4%	6%
rejected %	88%	88%	53%	88%	58%	79%	grade 1 events	20	17	95	14	52	24
								0%	0%	0%	0%	0%	0%
							grade 2 events	820	794	6674	776	3563	1922
								2%	2%	13%	2%	8%	4%
							grade 3 events	335	360	932	385	1614	902
								0%	1%	1%	1%	3%	2%
							grade 4 events	352	362	843	370	1666	857
								1%	1%	1%	1%	3%	1%
							grade 5 events	1185	1291	3627	1383	4171	1842
								3%	3%	7%	3%	9%	4%
							grade 6 events	680	649	11400	808	9448	2286
								1%	1%	23%	2%	21%	5%
							grade 7 events	29189	28463	22472	29268	20989	32705
								85%	84%	45%	84%	48%	75%

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	203.631098	203.6192219787885	Subarray requested	NONE	NONE
[deg] Pointing Dec	-1.412122	-1.387496633392568	Alternating exposures requested	N	N
[deg] Pointing Roll	85.104290	85.2605793866997	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	101308518.184000	101307433.45597			
Observation start date	2001-03-18T13:14:14	2001-03-18T12:57:13			
[s] Observation end time (MET)	101313518.184000	101313978.59372			
Observation end date	2001-03-18T14:37:34	2001-03-18T14:46:18			
Read mode	TIMED	TIMED			

2.3 Aspect



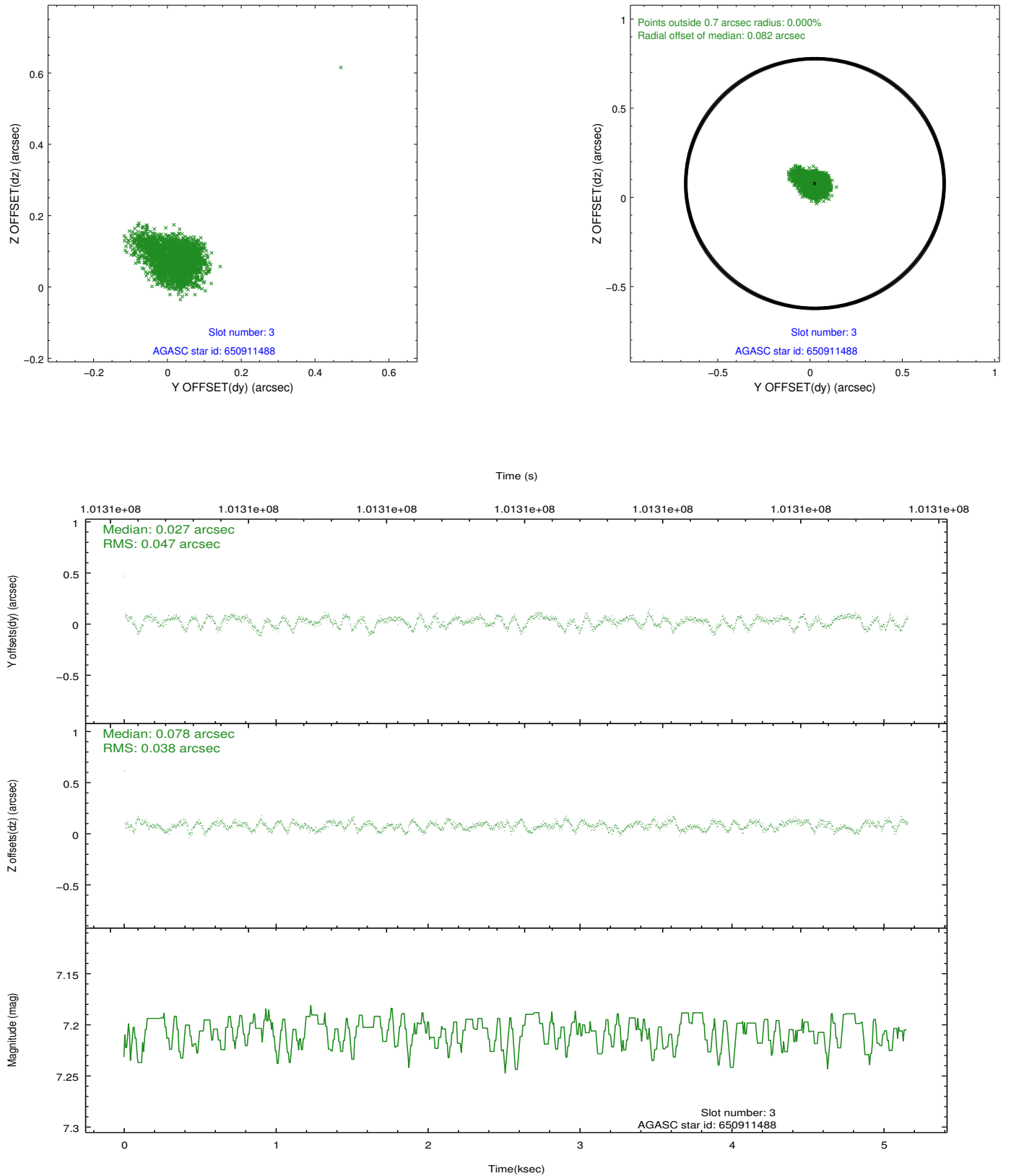


Slot Statistics

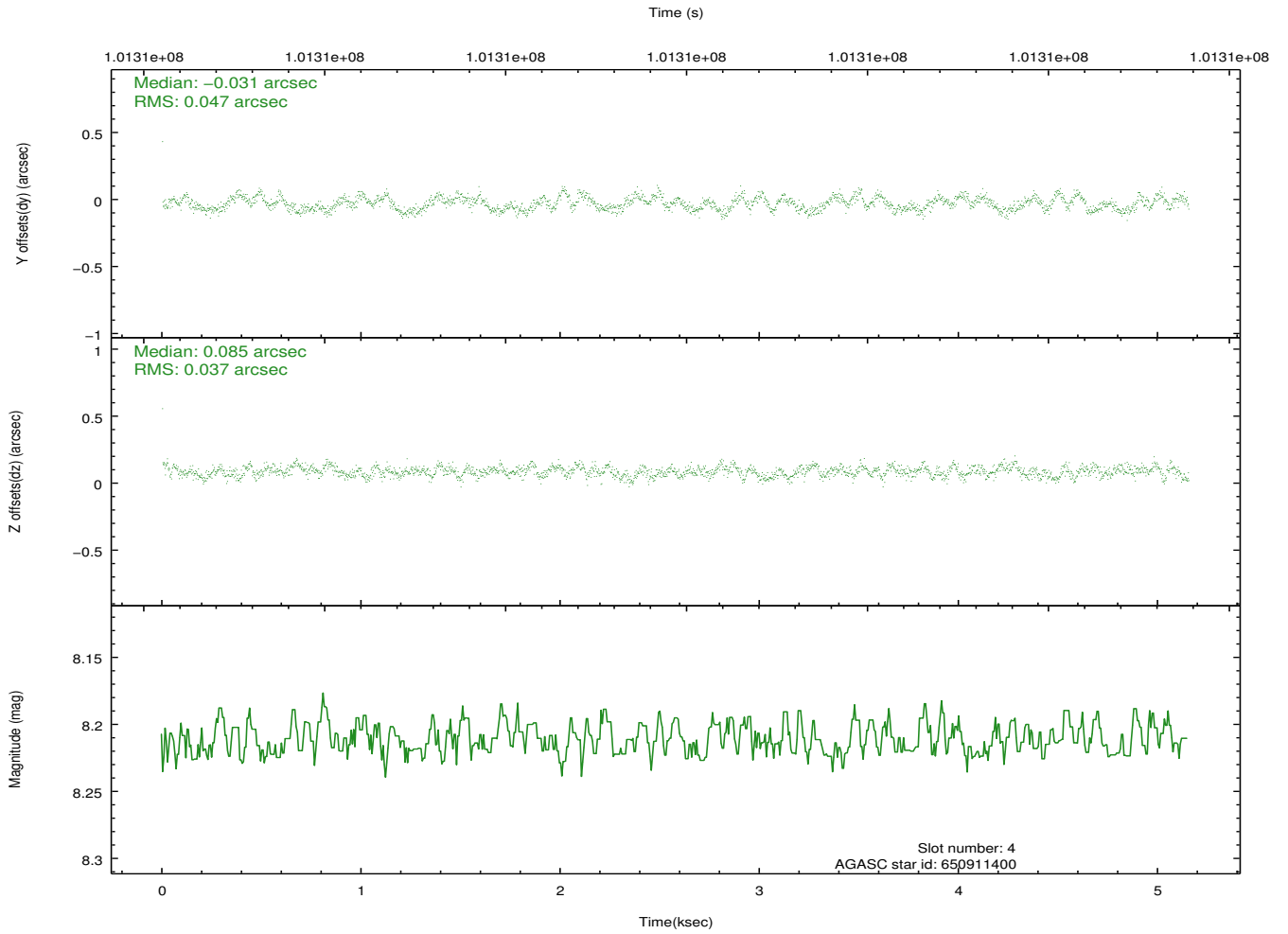
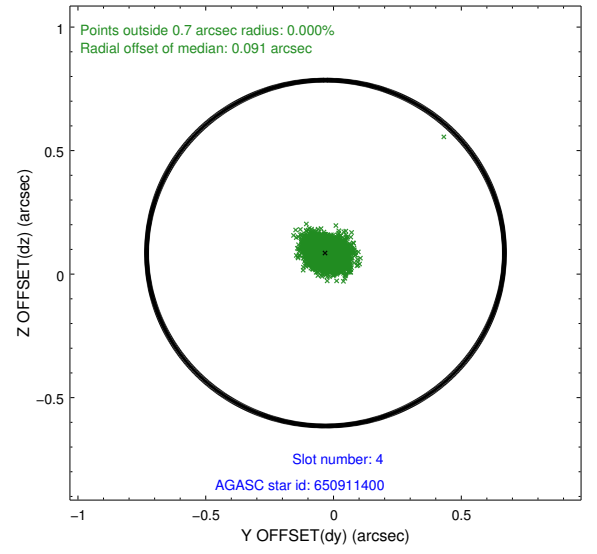
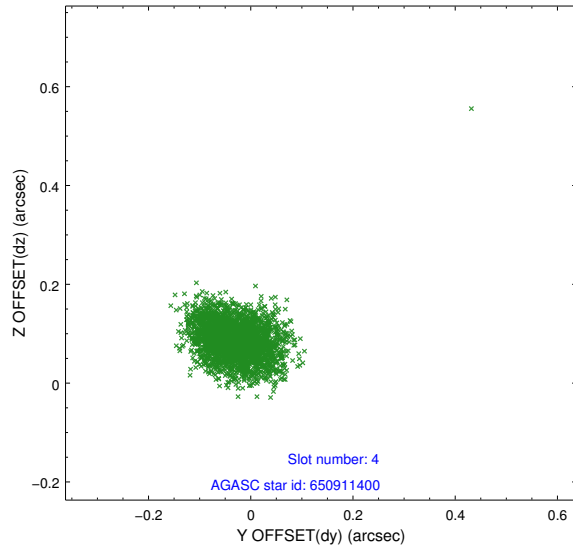
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1257	-0.035	0.001	0.006	0.010	0.000000	0.000000	-755.24	-1727.20
1	FID	ACIS-S-4	7.20	1257	-0.023	0.017	0.005	0.010	0.000000	0.000000	2157.47	180.16
2	FID	ACIS-S-5	7.24	1257	0.027	-0.009	0.006	0.011	0.000000	0.000000	-1806.55	175.05
3	GUIDE	650911488	7.21	2515	0.027	0.078	0.061	0.104	204.061036	-0.930991	1858.13	-1394.28
4	GUIDE	650911400	8.21	2515	-0.031	0.085	0.063	0.098	204.183307	-1.260588	714.18	-1934.75
5	GUIDE	650913312	8.38	2515	-0.084	0.090	0.052	0.085	203.969171	-0.964889	1708.57	-1076.20
6	GUIDE	650912424	9.22	2515	-0.024	-0.090	0.063	0.104	203.589398	-0.866485	1945.26	316.25
7	GUIDE	650906736	9.43	2512	0.118	-0.159	0.082	0.130	203.434610	-1.424854	-104.93	699.99

2.4 Star Slots

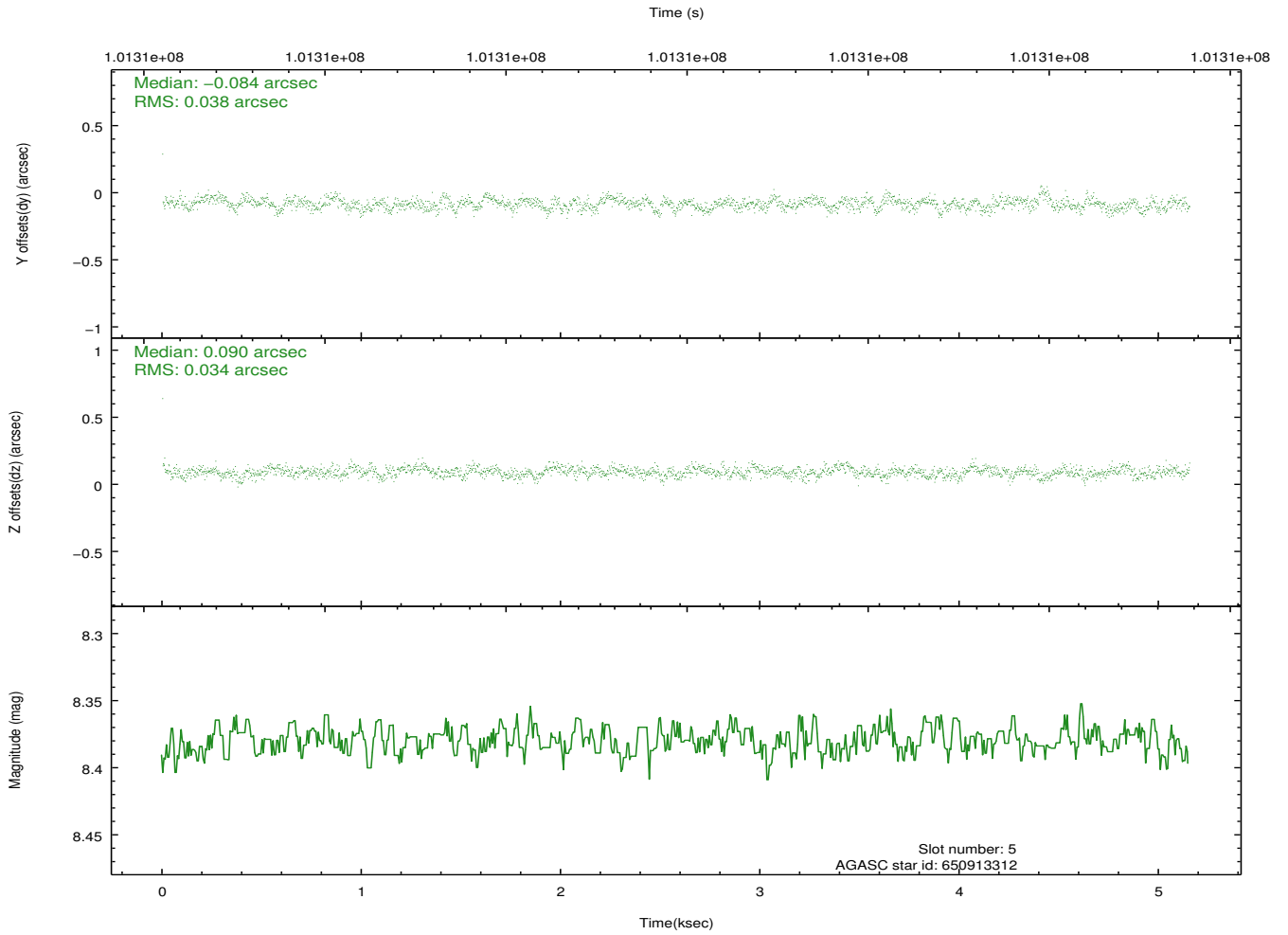
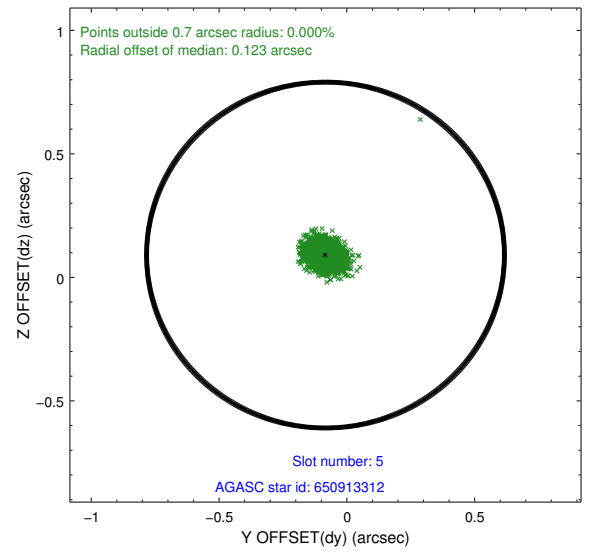
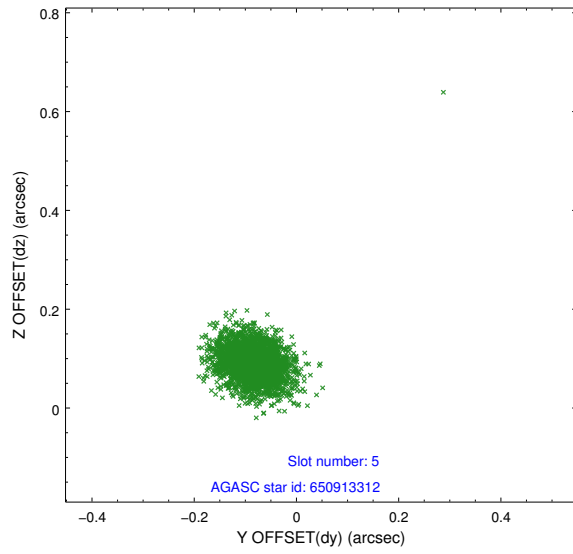
2.4.1 Slot 3



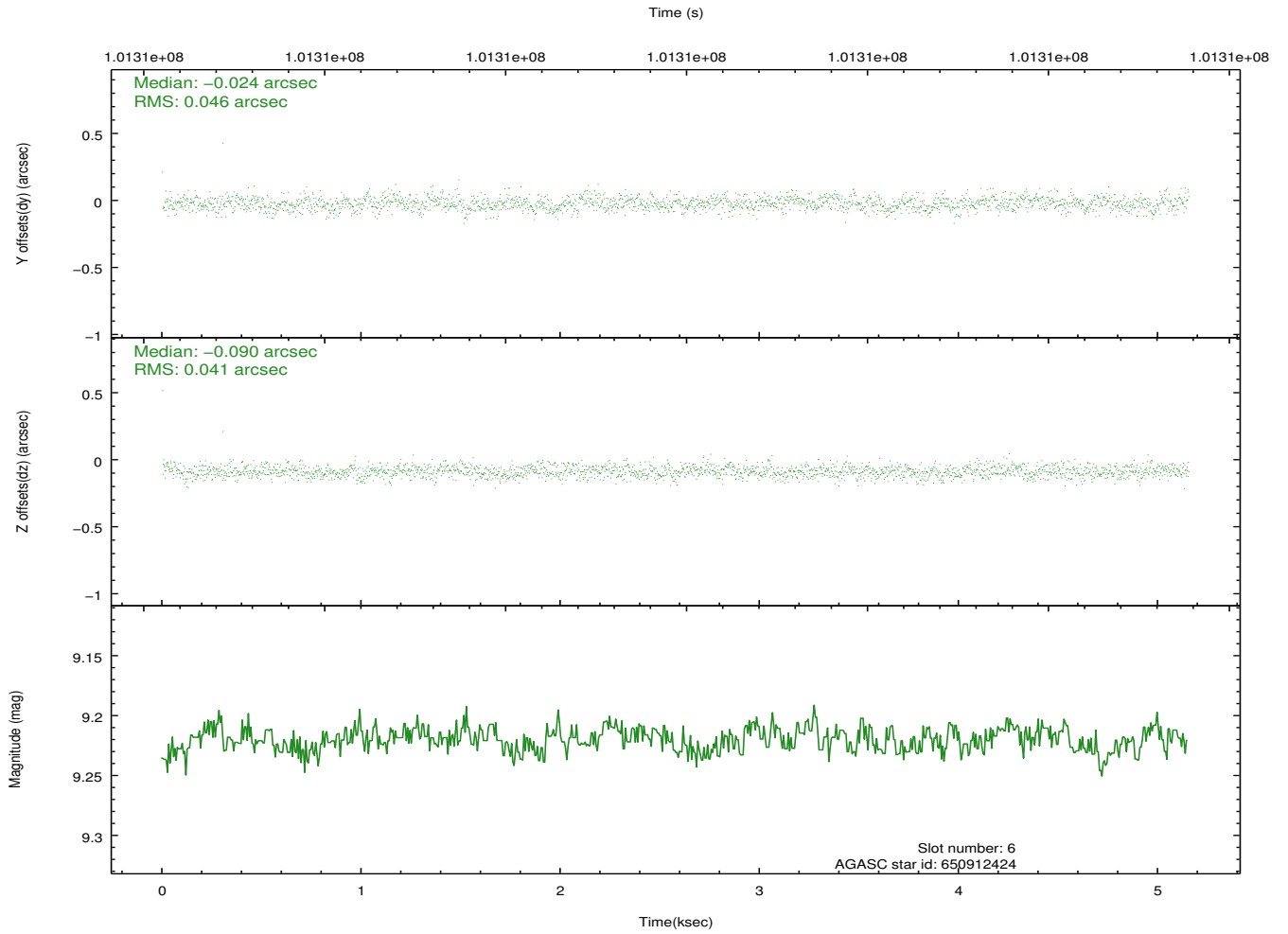
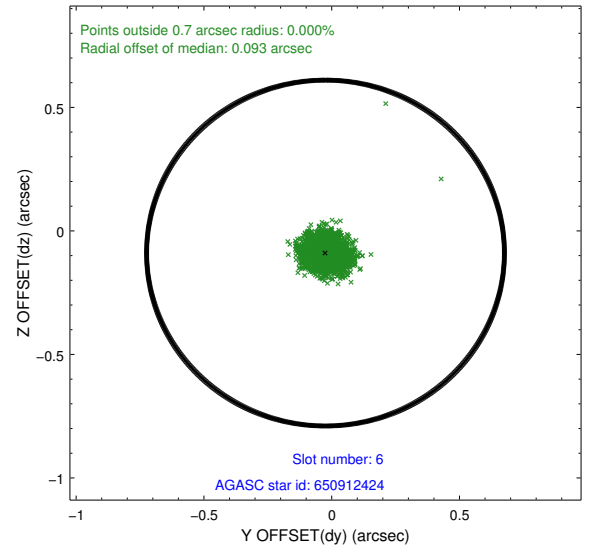
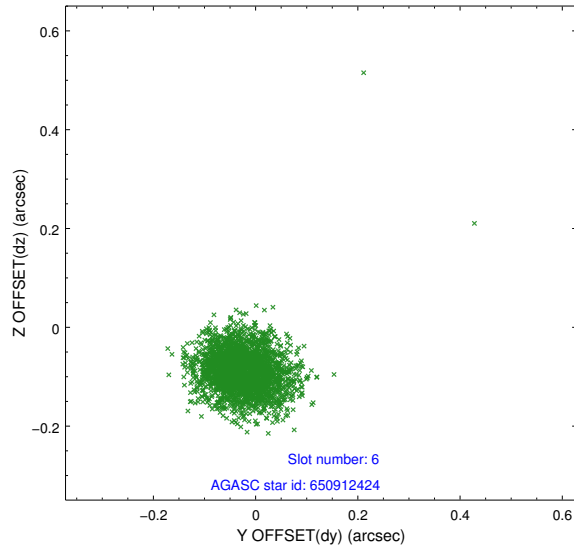
2.4.2 Slot 4



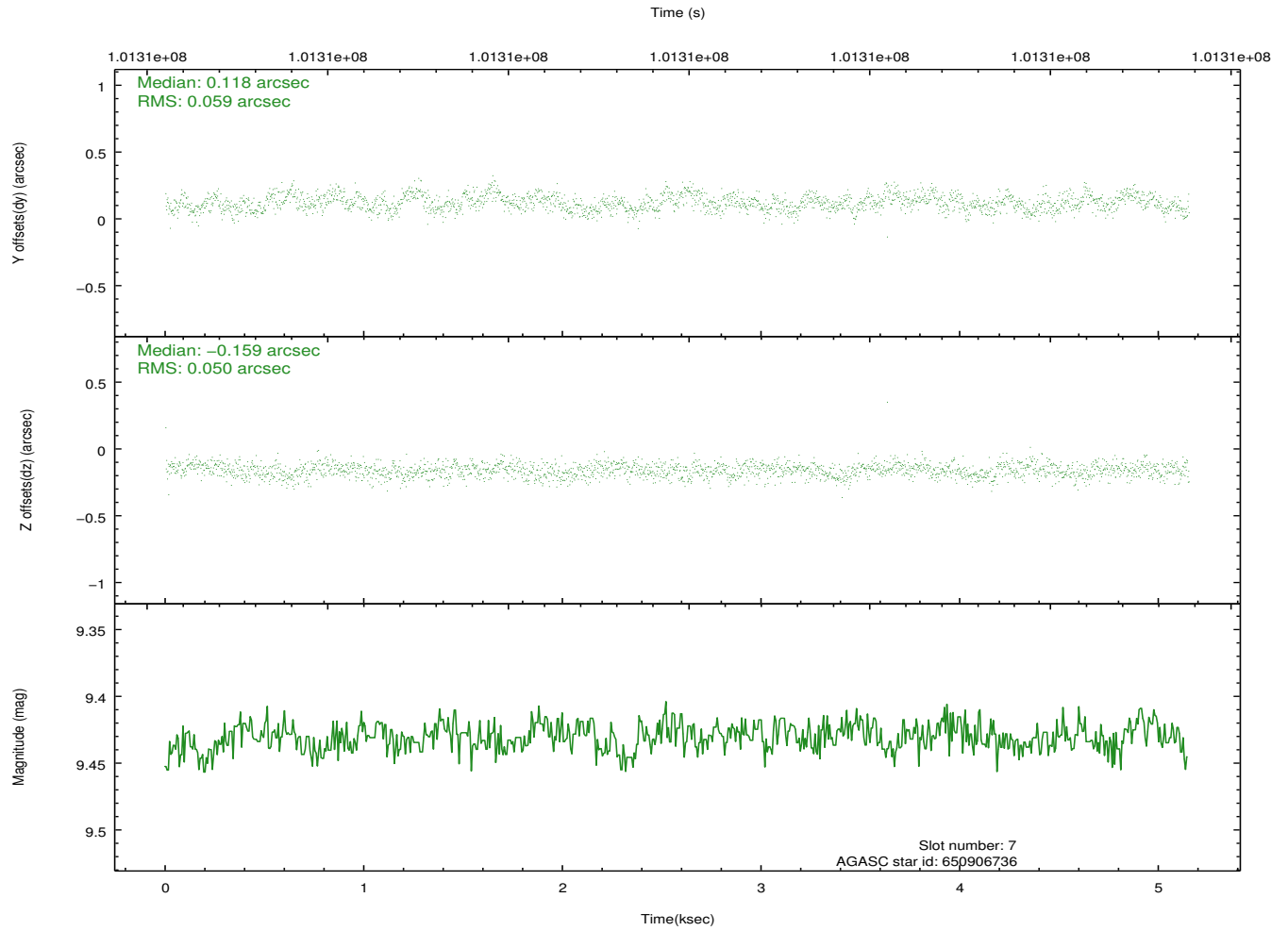
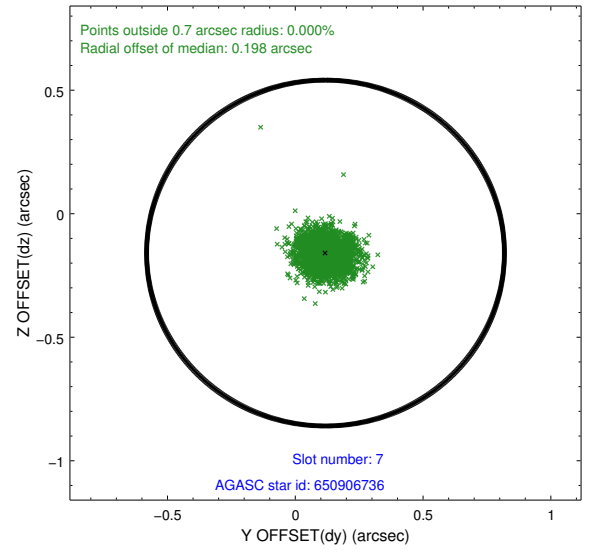
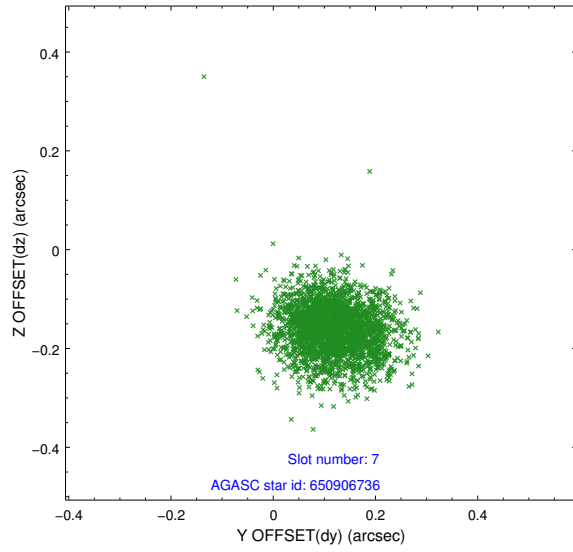
2.4.3 Slot 5



2.4.4 Slot 6

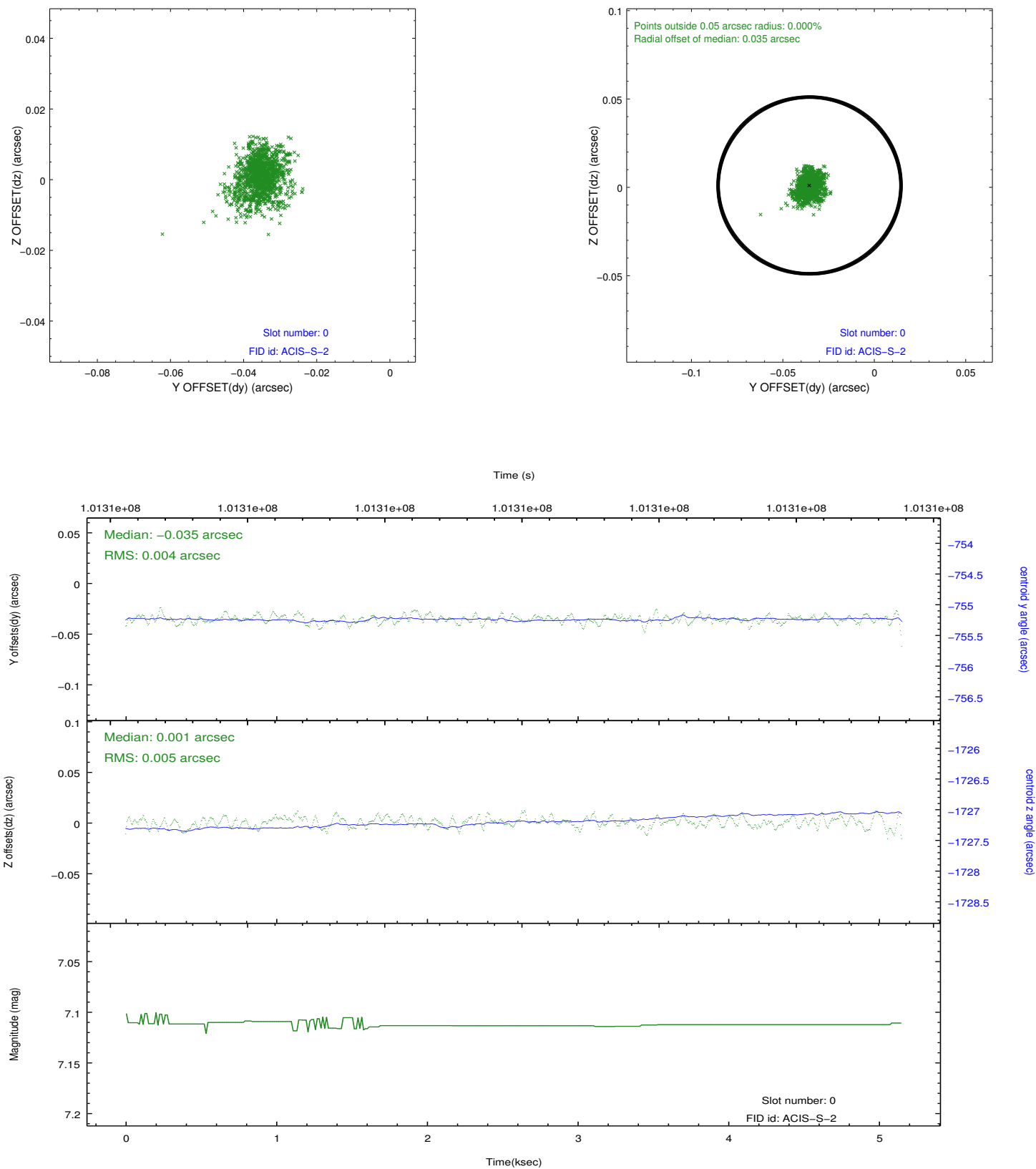


2.4.5 Slot 7

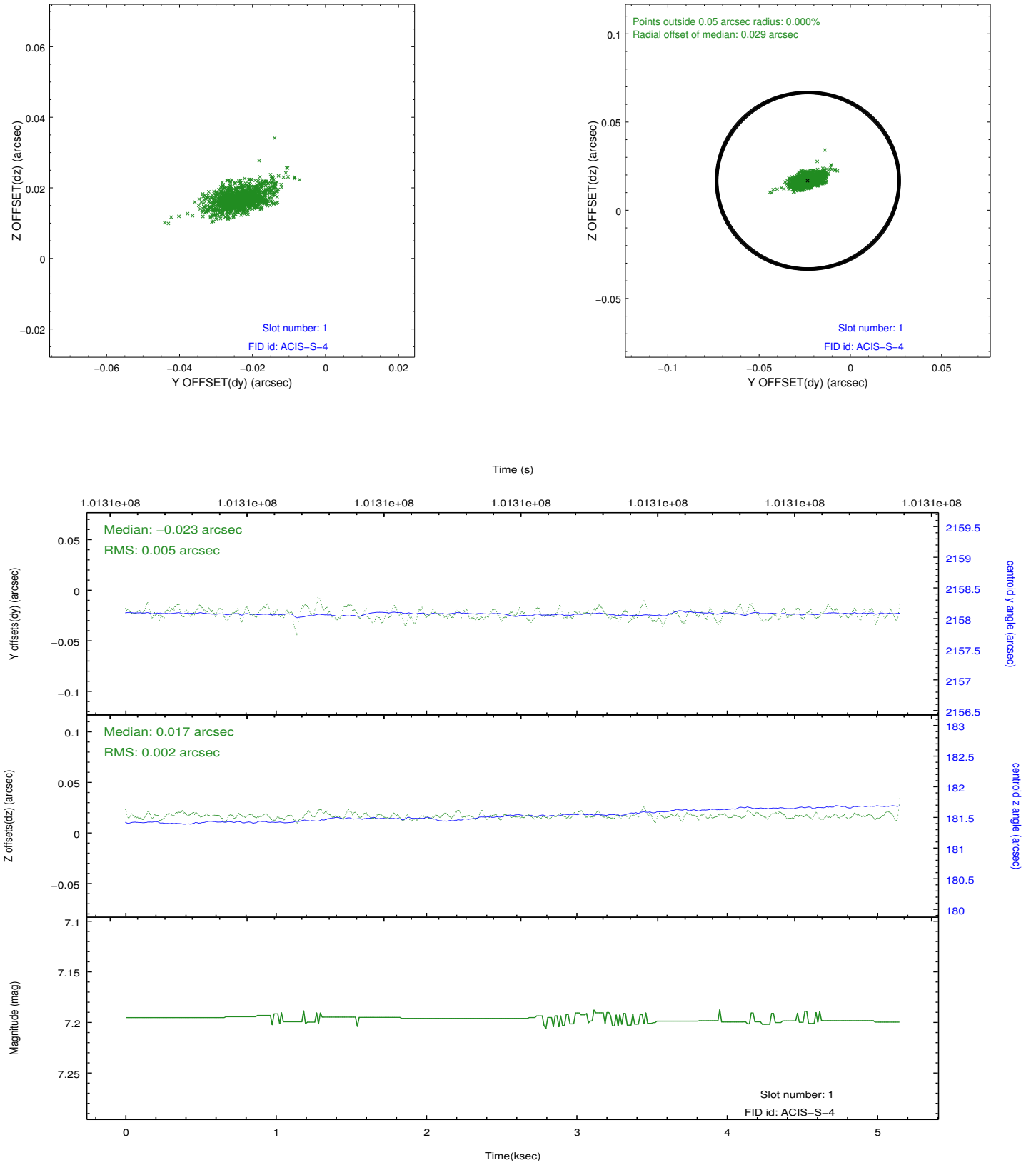


2.5 FID Slots

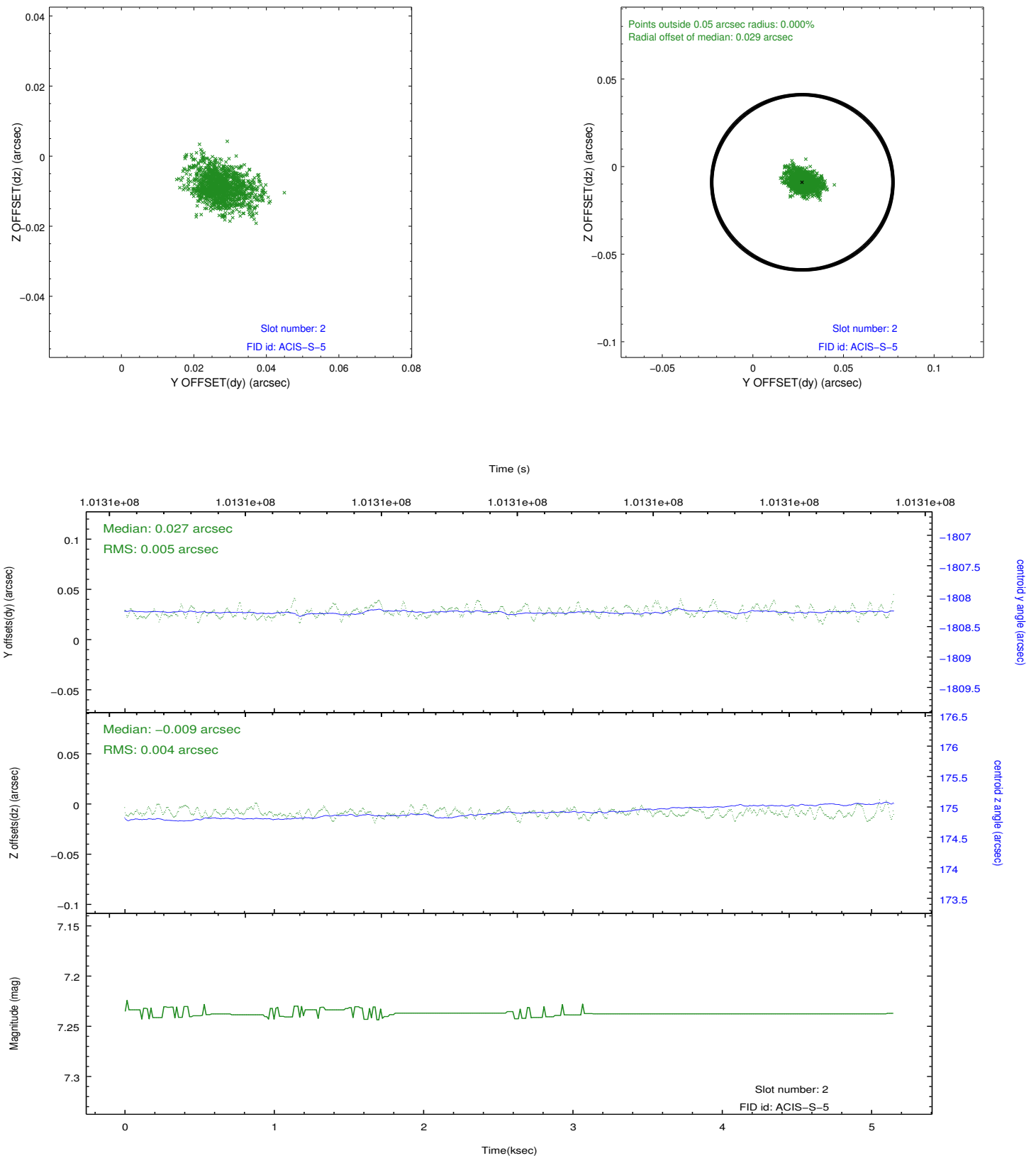
2.5.1 Slot 0



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)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.126

A.2 Comments