

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3159 - L2 Version 3
Chandra X-Ray Center

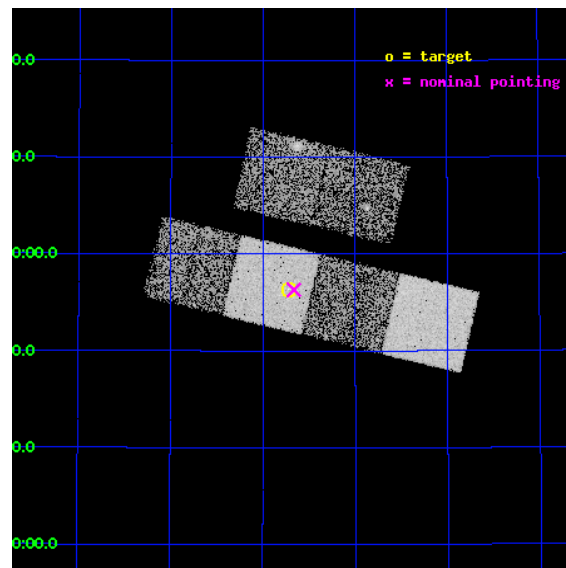
L2 Processing Date : Oct 7 2012

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1 Front

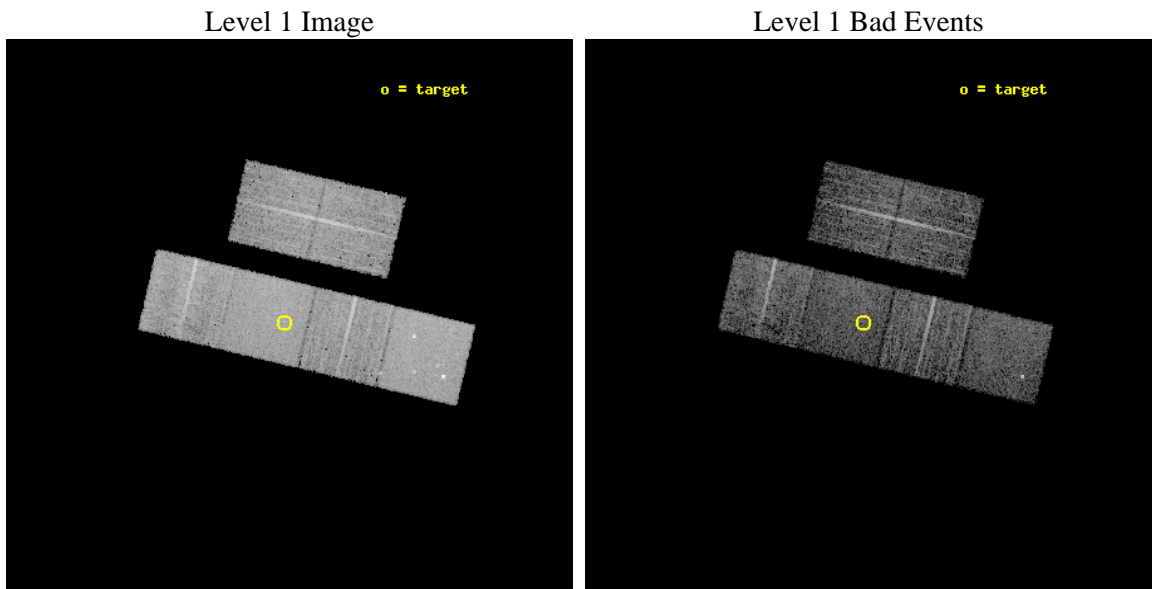
seq_num	700598	Sequence number
obs_id	3159	Observation id
title	A CHANDRA SURVEY OF THE MOST LUMINOUS QUASARS AT $Z > 4$	Proposal ti
observer	Professor Gordon Garmire	Principal investigator
object	PSS1347+4956	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	206.930833	Observer's specified target RA [deg]
dec_targ	49.939167	Observer's specified target Dec [deg]
ra_nom	206.91589982319	Nominal RA [deg]
dec_nom	49.938673885075	Nominal Dec [deg]
roll_nom	193.31714133295	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5958.3999778032	Sum of GTIs [s]
livetime	5882.9511295666	Livetime [s]
ontime2	5958.3999778032	Sum of GTIs [s]
ontime3	5958.3999778032	Sum of GTIs [s]
ontime5	5958.3999778032	Sum of GTIs [s]
ontime6	5958.3999778032	Sum of GTIs [s]
ontime7	5958.3999778032	Sum of GTIs [s]
ontime8	5955.158977598	Sum of GTIs [s]
l2events	61464	Number of level 2 events



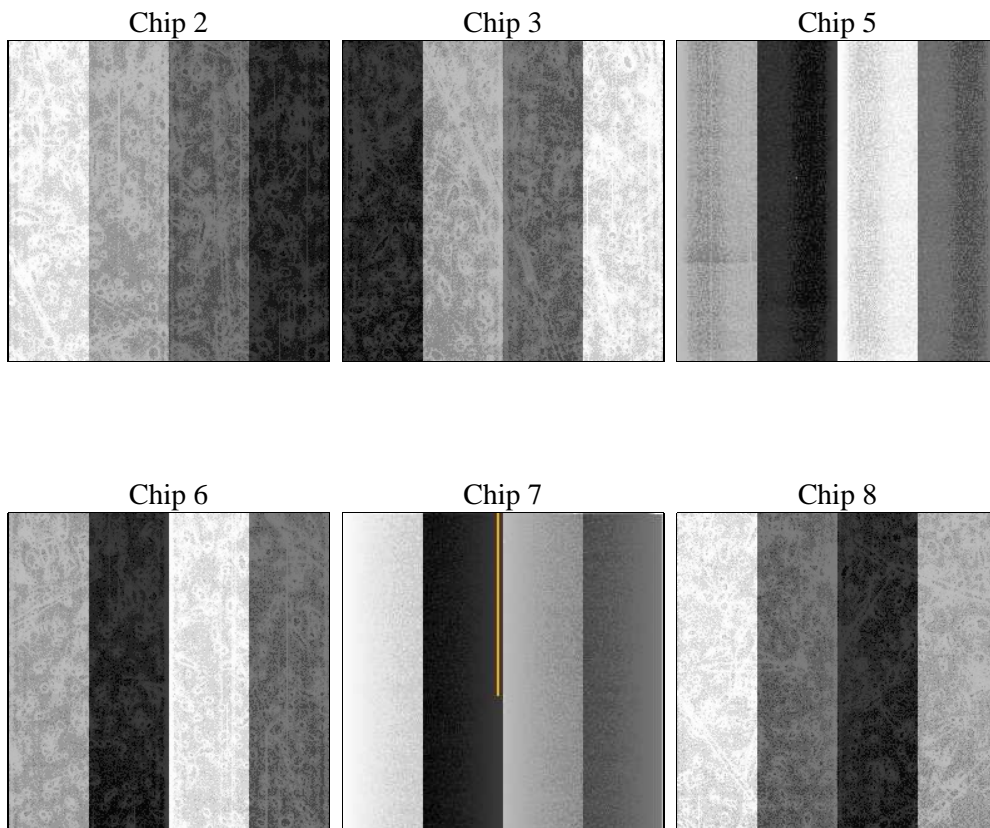
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5958.3999778032	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	5958.3999778032	Sum of GTIs [s]
date	2012-10-07T08:07:27	Date and time of file creation	ontime3	5958.3999778032	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	5958.3999778032	Sum of GTIs [s]
			ontime6	5958.3999778032	Sum of GTIs [s]
			ontime7	5958.3999778032	Sum of GTIs [s]
			ontime8	5955.158977598	Sum of GTIs [s]
			l1events	279899	Number of level 1 events

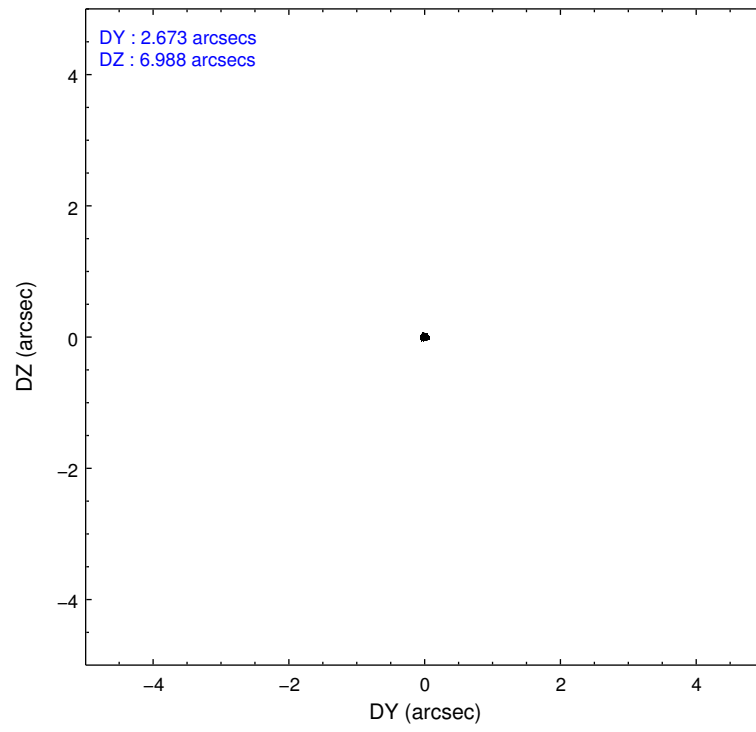
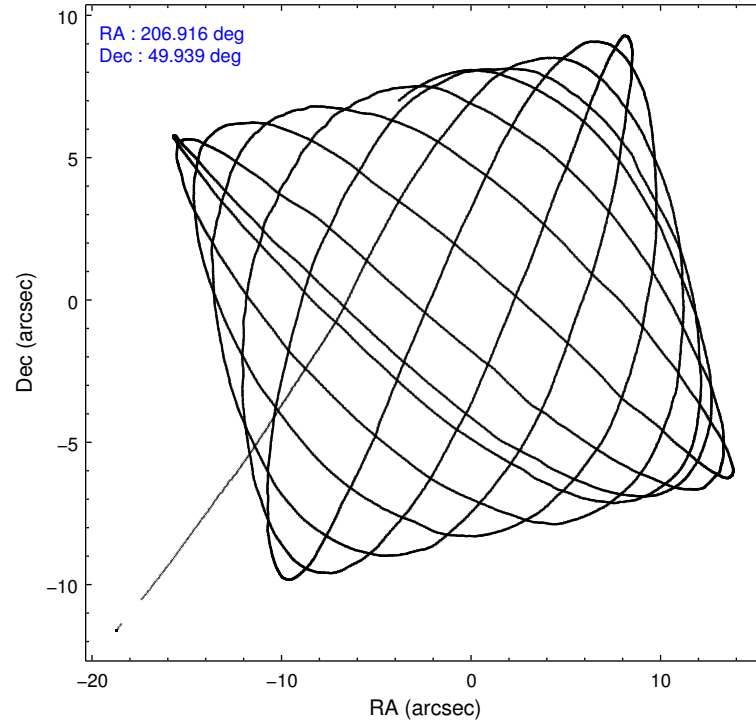
2.1.4 Events

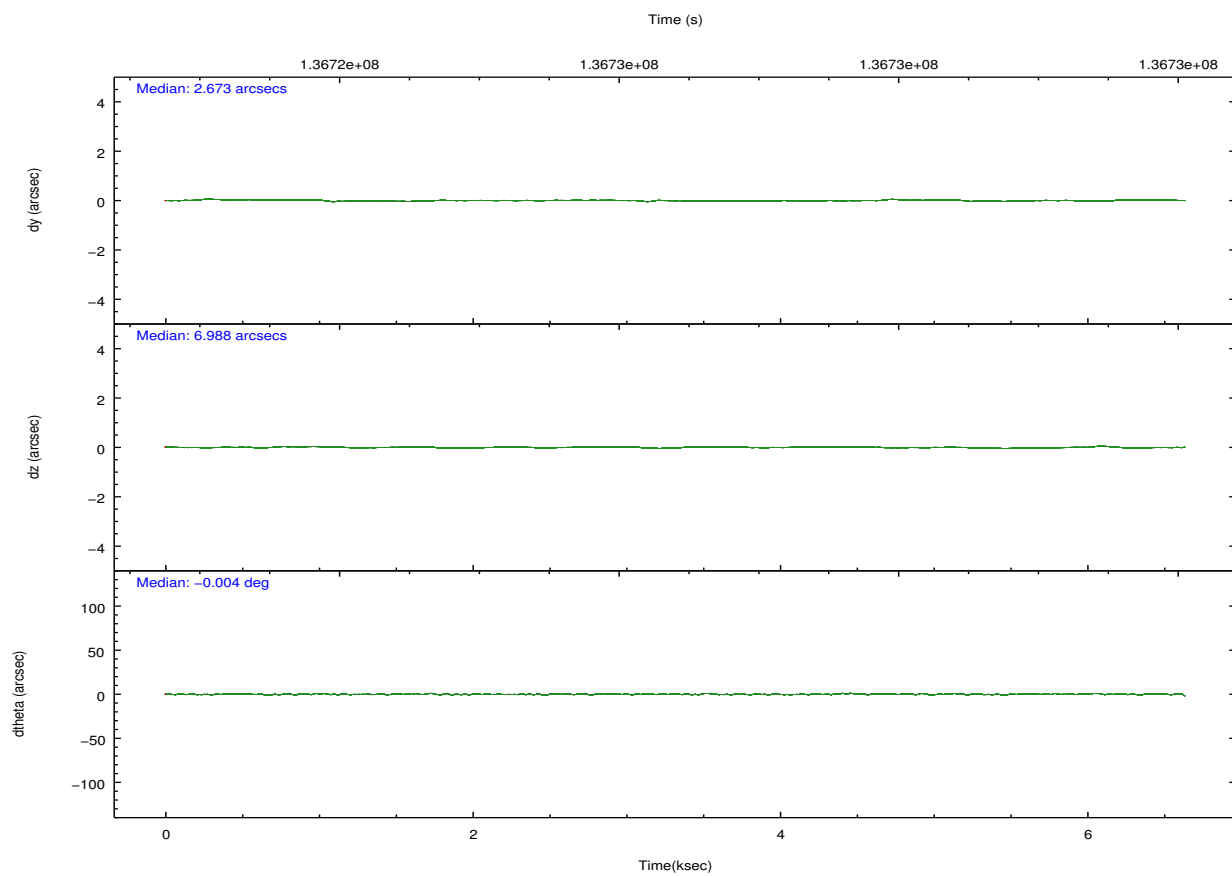
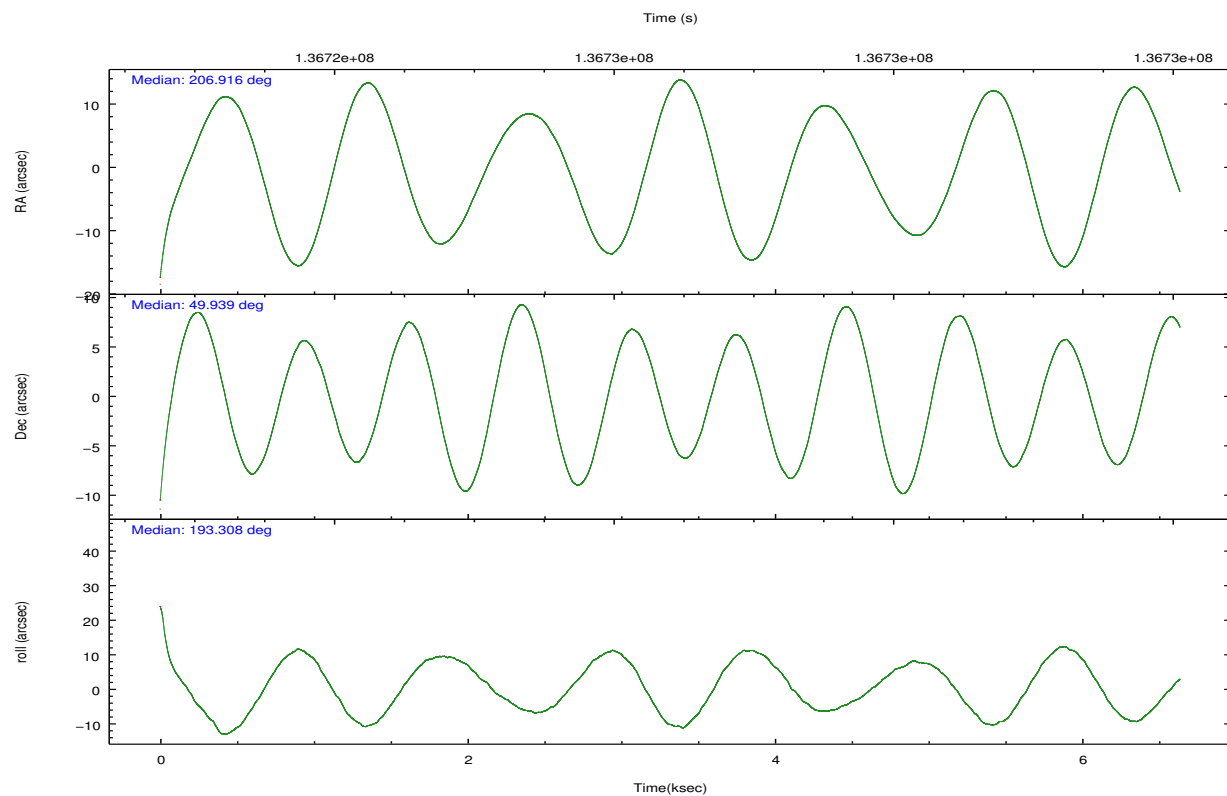
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	40596	38992	57915	41057	51714	49625	grade 0 events	1860	2342	3340	1813	2011	3132
rejected events	36131	34001	31322	36475	30138	39665		4%	6%	5%	4%	3%	6%
rejected %	89%	87%	54%	88%	58%	79%	grade 1 events	21	27	75	18	48	25
								0%	0%	0%	0%	0%	0%
							grade 2 events	998	985	7881	933	4312	2280
								2%	2%	13%	2%	8%	4%
							grade 3 events	397	458	1039	513	1932	986
								0%	1%	1%	1%	3%	1%
							grade 4 events	415	419	1001	444	1951	969
								1%	1%	1%	1%	3%	1%
							grade 5 events	1395	1550	4217	1739	4880	2105
								3%	3%	7%	4%	9%	4%
							grade 6 events	802	790	13351	879	11384	2597
								1%	2%	23%	2%	22%	5%
							grade 7 events	34708	32421	27011	34718	25196	37531
								85%	83%	46%	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	206.946231	206.9158998231868	Subarray requested	NONE	NONE
[deg] Pointing Dec	49.957568	49.93867388507491	Alternating exposures requested	N	N
[deg] Pointing Roll	193.137278	193.3171413329498	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	136723720.184000	136722541.96121			
Observation start date	2002-05-02T10:47:36	2002-05-02T10:29:01			
[s] Observation end time (MET)	136729720.184000	136730103.38652			
Observation end date	2002-05-02T12:27:36	2002-05-02T12:35:03			
Read mode	TIMED	TIMED			

2.3 Aspect



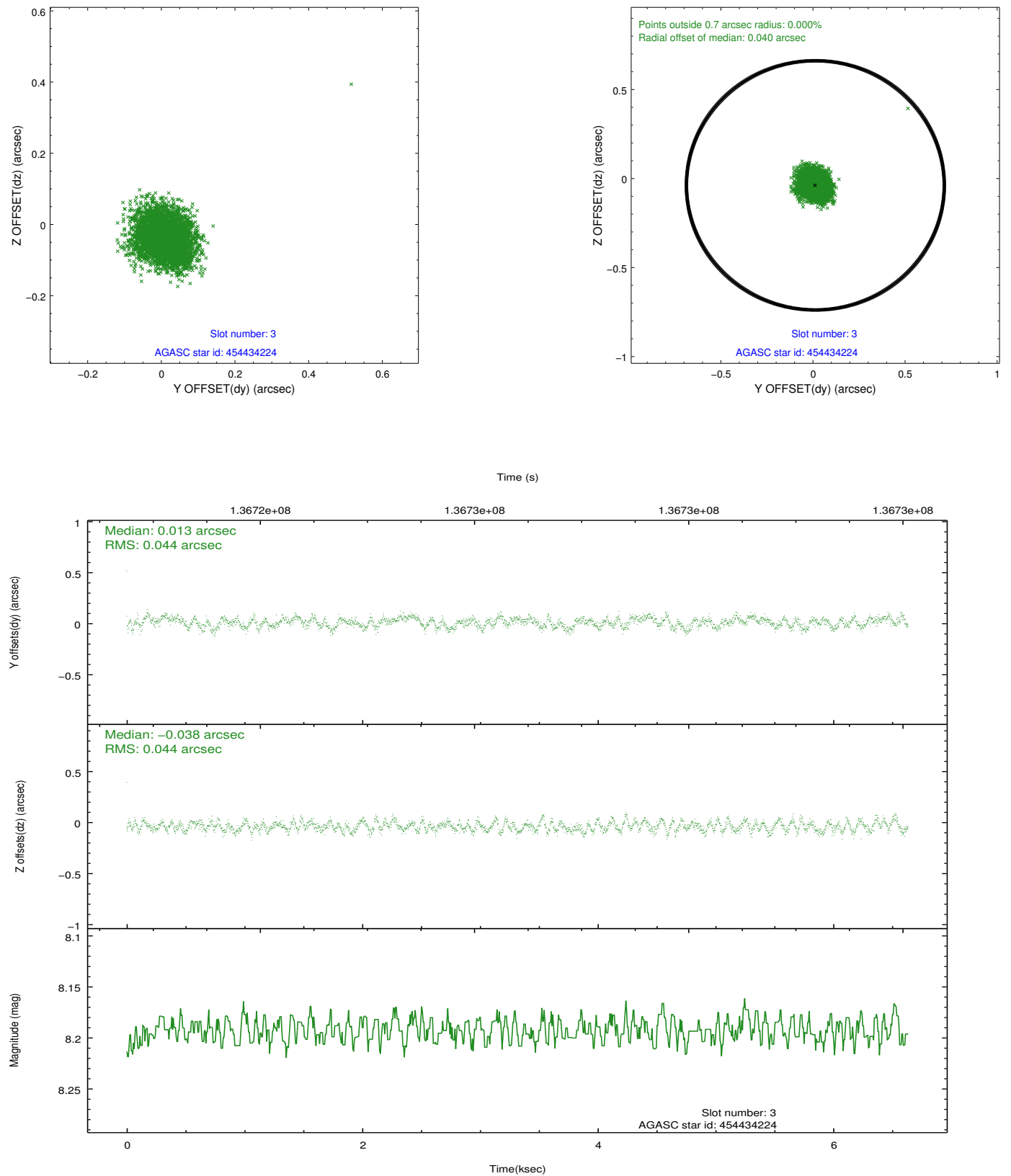


Slot Statistics

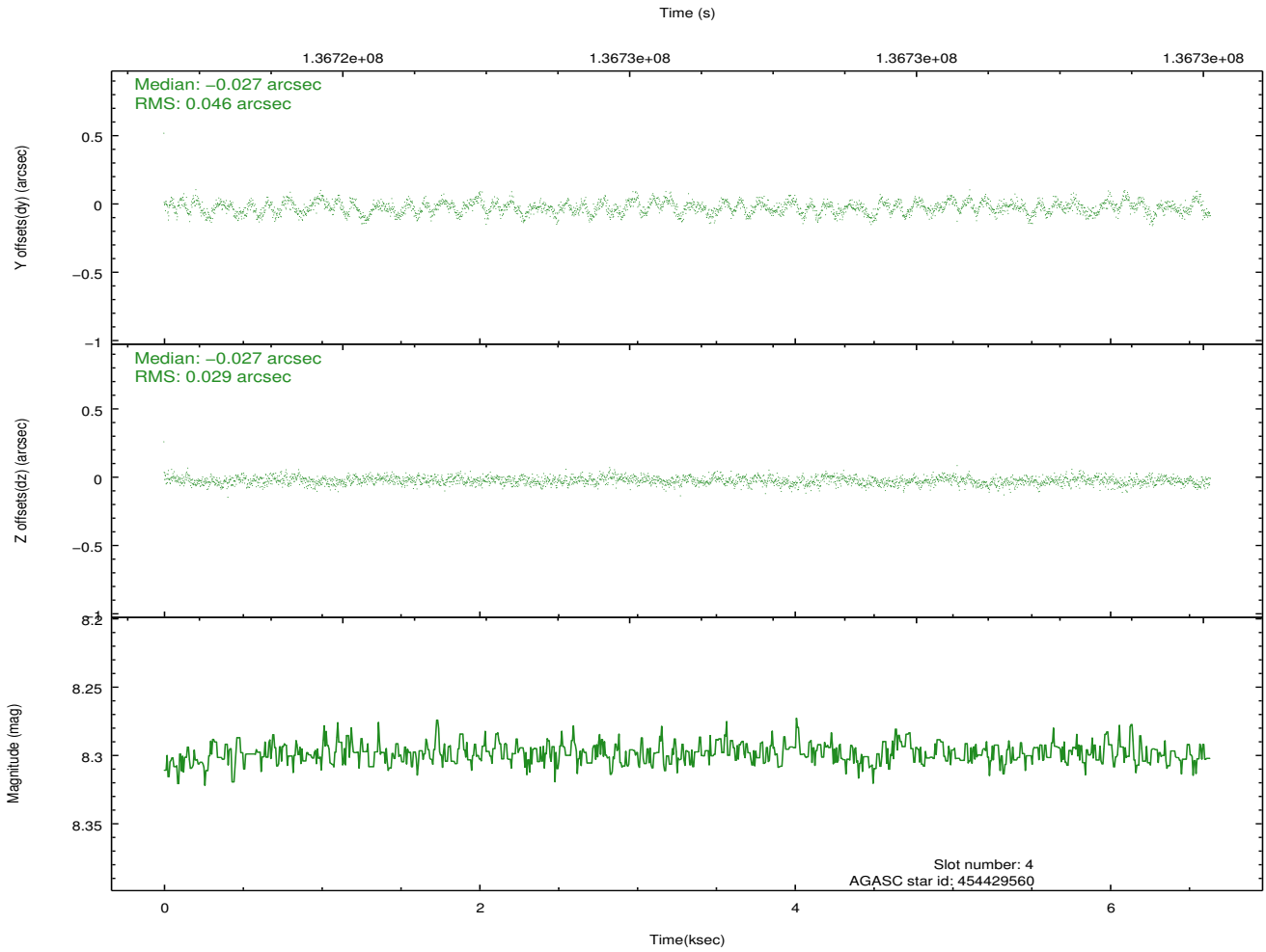
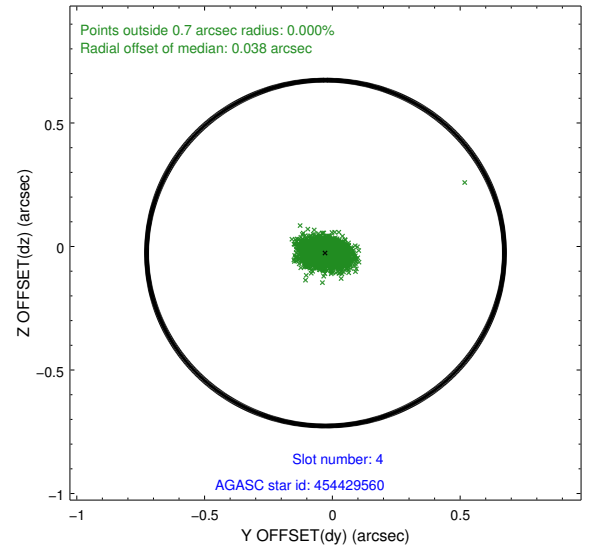
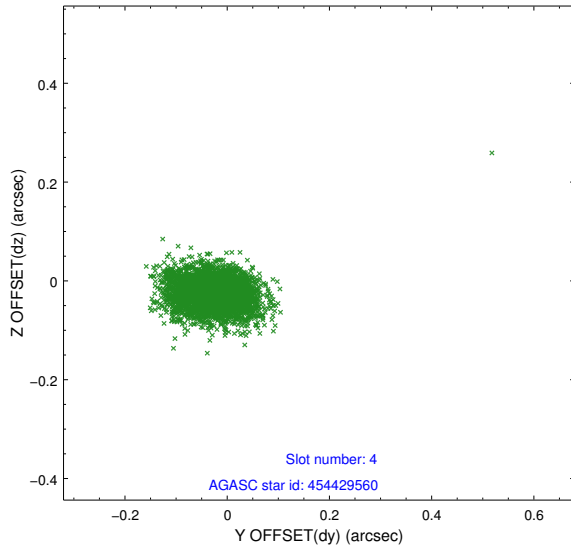
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1619	-0.018	0.006	0.007	0.011	0.000000	0.000000	-755.31	-1728.15
1	FID	ACIS-S-4	7.20	1619	-0.038	0.007	0.005	0.010	0.000000	0.000000	2157.54	179.45
2	FID	ACIS-S-5	7.24	1619	0.026	-0.004	0.006	0.011	0.000000	0.000000	-1806.99	174.08
3	GUIDE	454434224	8.19	3238	0.013	-0.038	0.066	0.103	207.312110	49.402692	-381.43	2138.24
4	GUIDE	454429560	8.30	3238	-0.027	-0.027	0.057	0.093	208.000020	49.950913	-2376.61	562.47
5	GUIDE	454691504	8.90	3232	-0.056	0.020	0.062	0.099	205.975257	50.280822	1906.94	-1654.34
6	GUIDE	454829104	8.89	3235	-0.108	0.107	0.071	0.115	206.635917	50.516953	234.56	-2124.05
7	GUIDE	454696696	9.42	3234	0.183	-0.058	0.083	0.134	206.056542	50.275512	1730.99	-1591.93

2.4 Star Slots

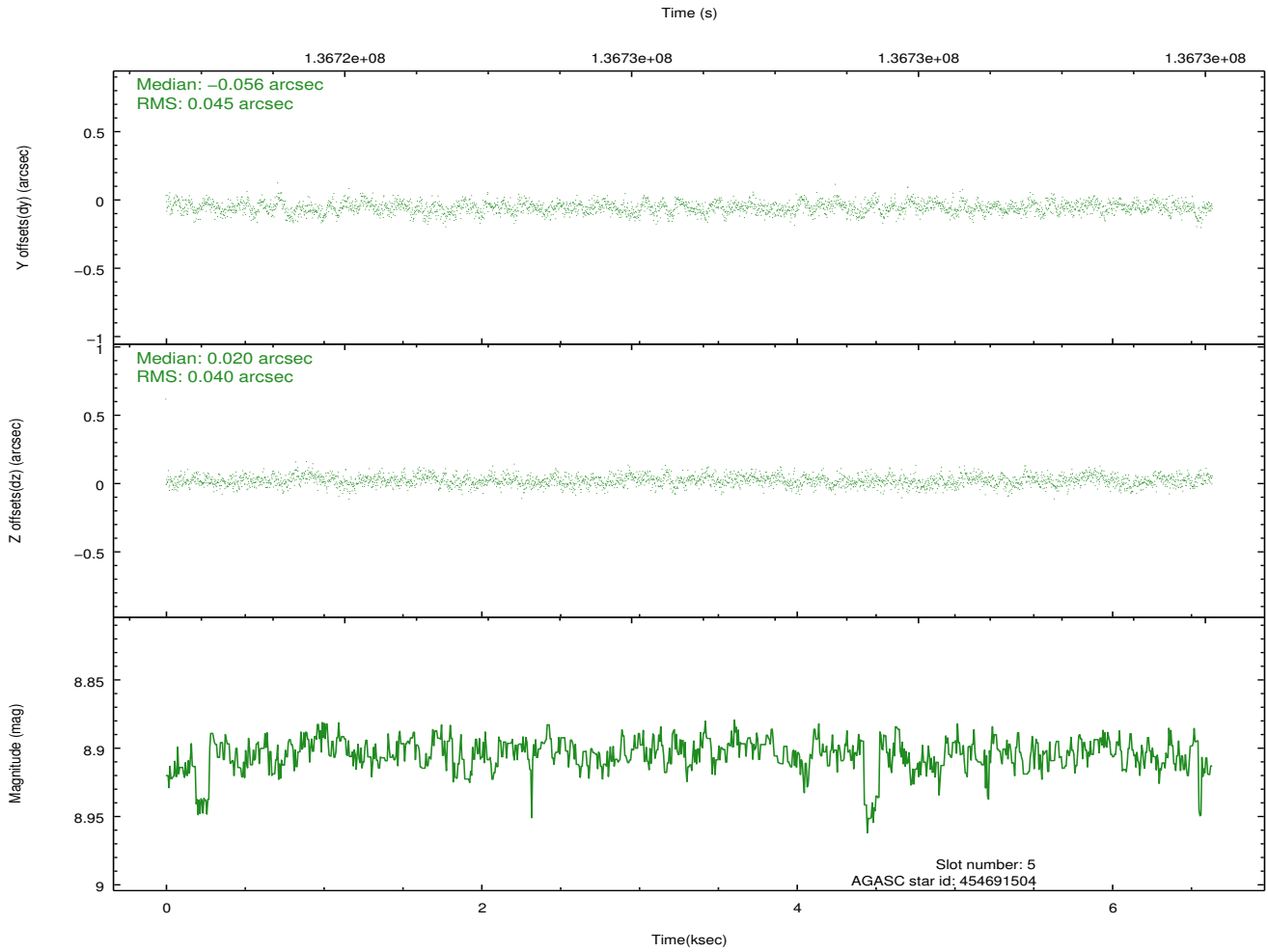
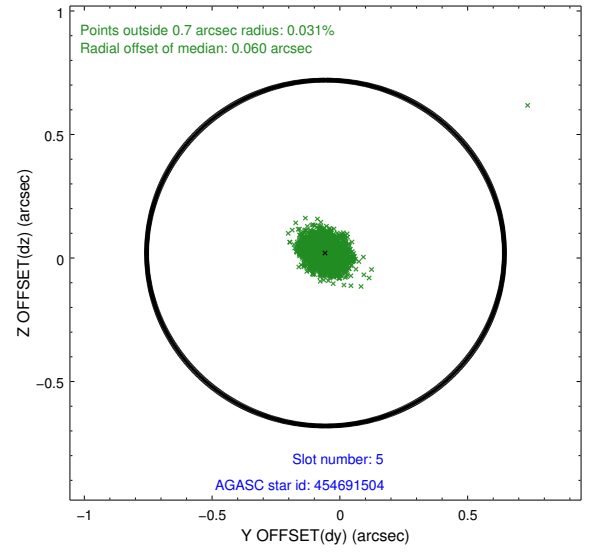
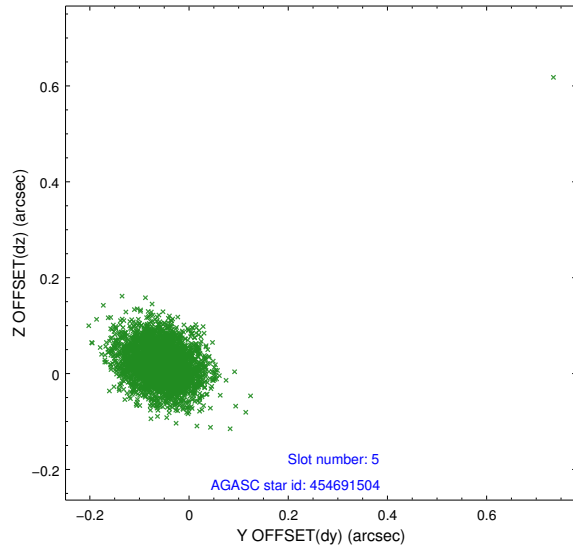
2.4.1 Slot 3



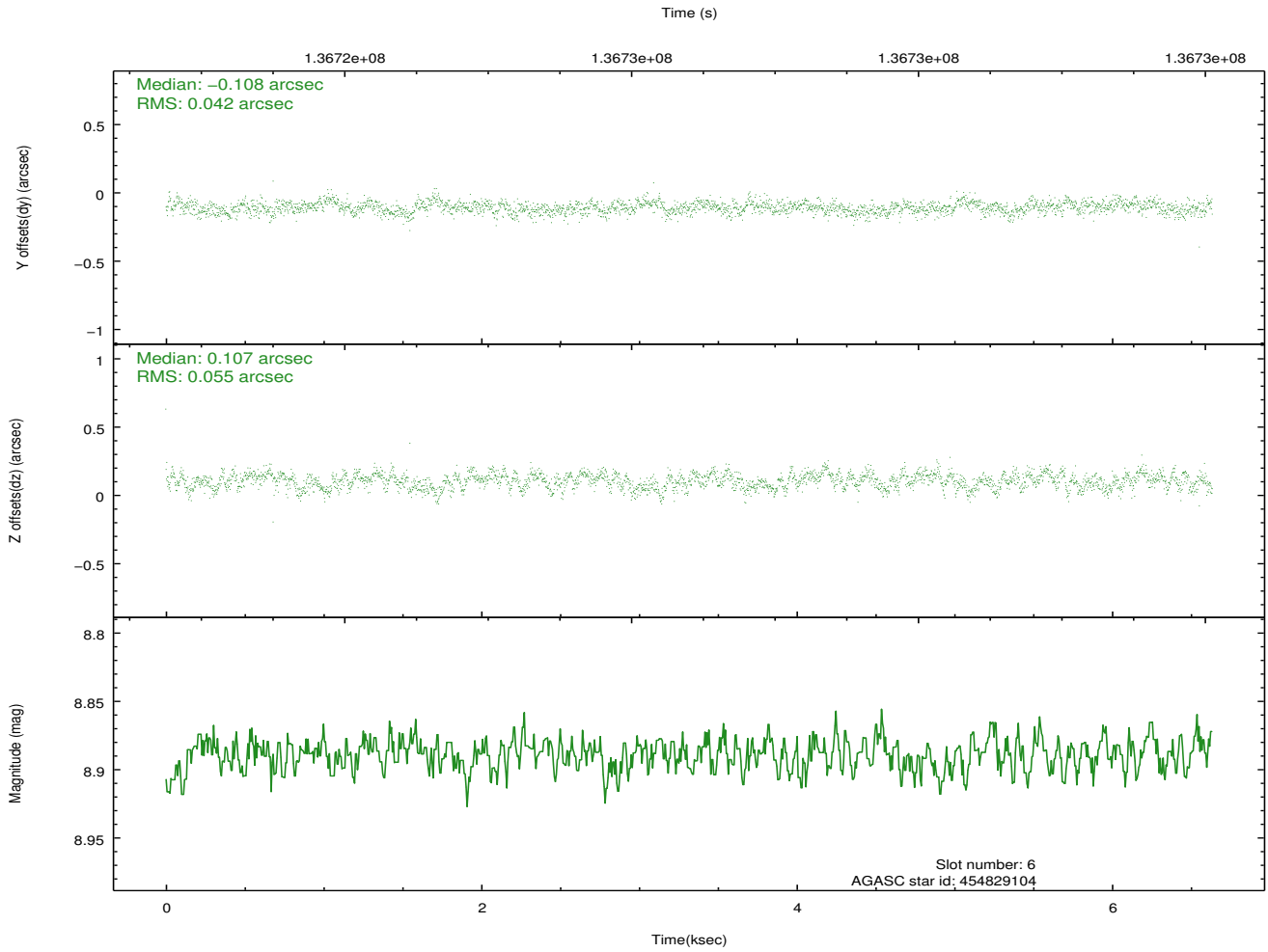
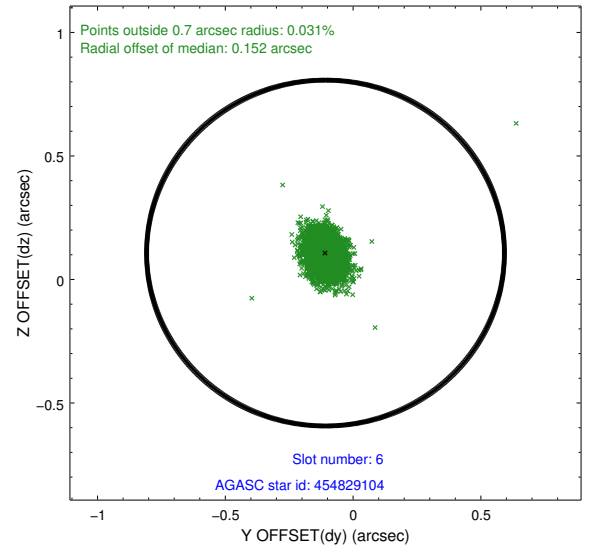
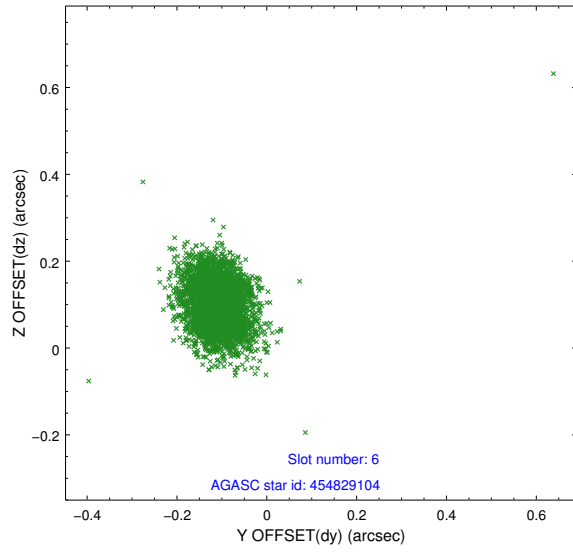
2.4.2 Slot 4



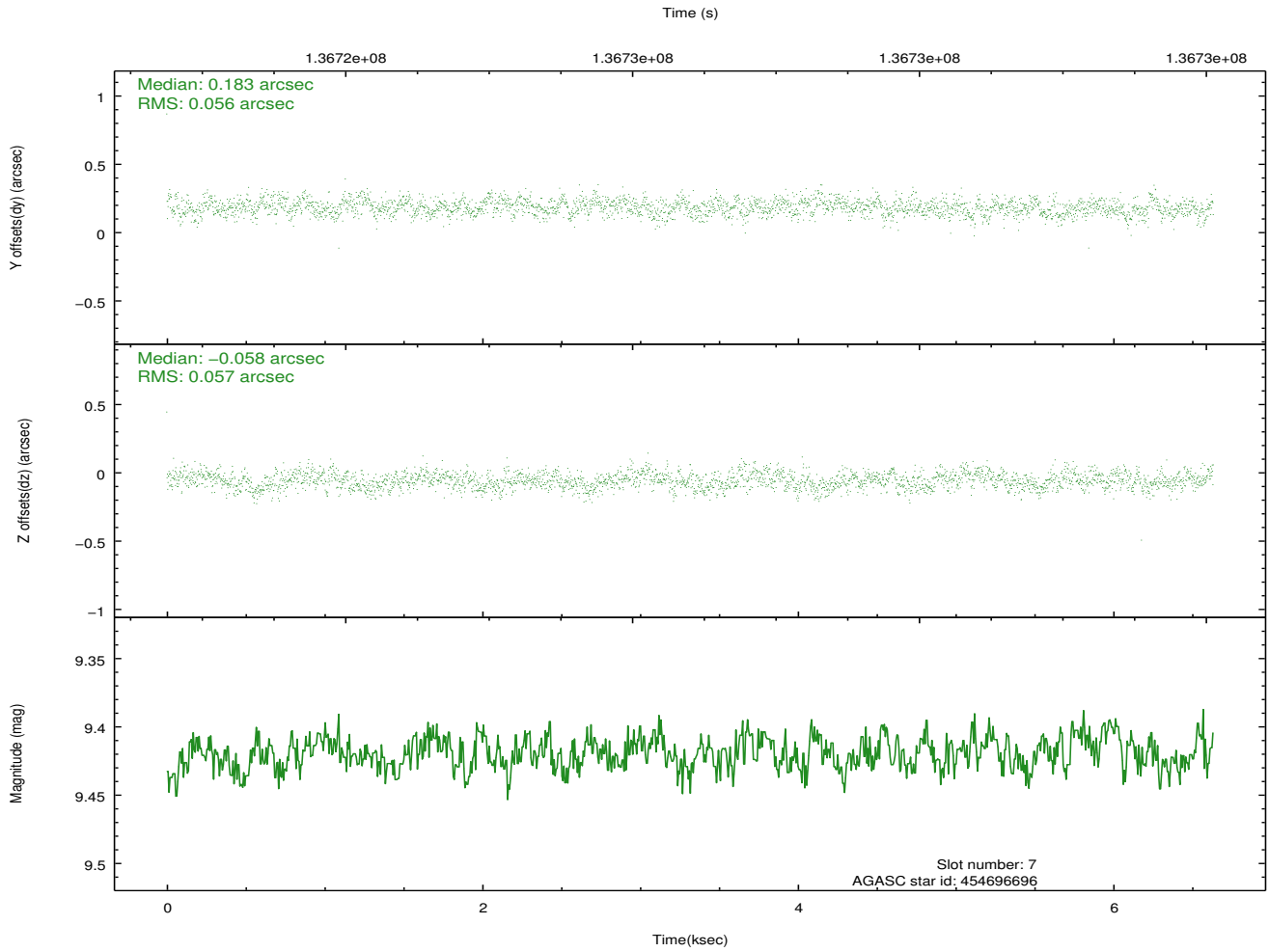
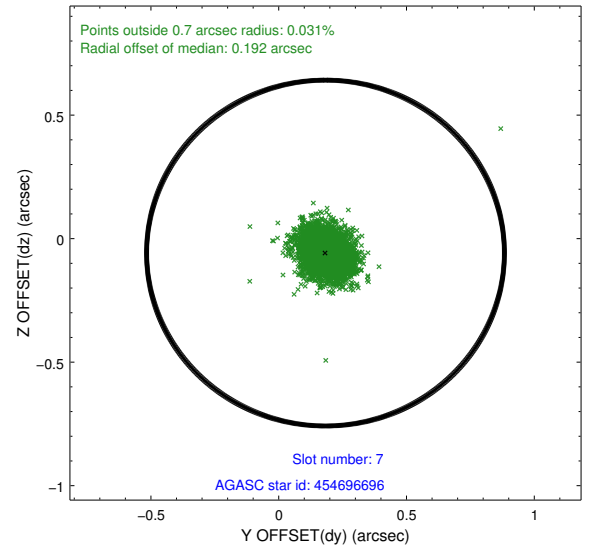
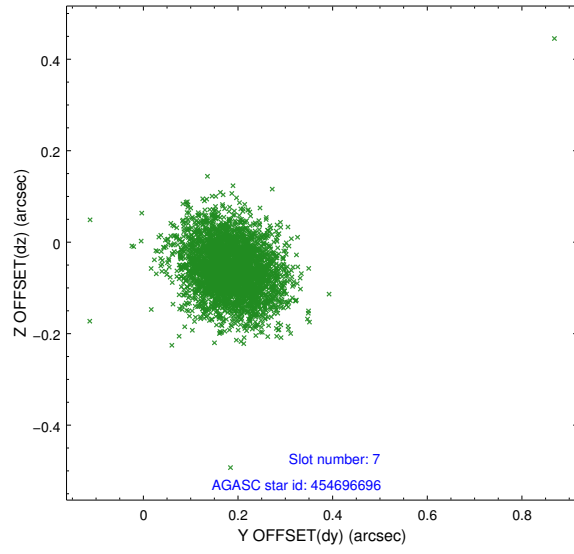
2.4.3 Slot 5



2.4.4 Slot 6

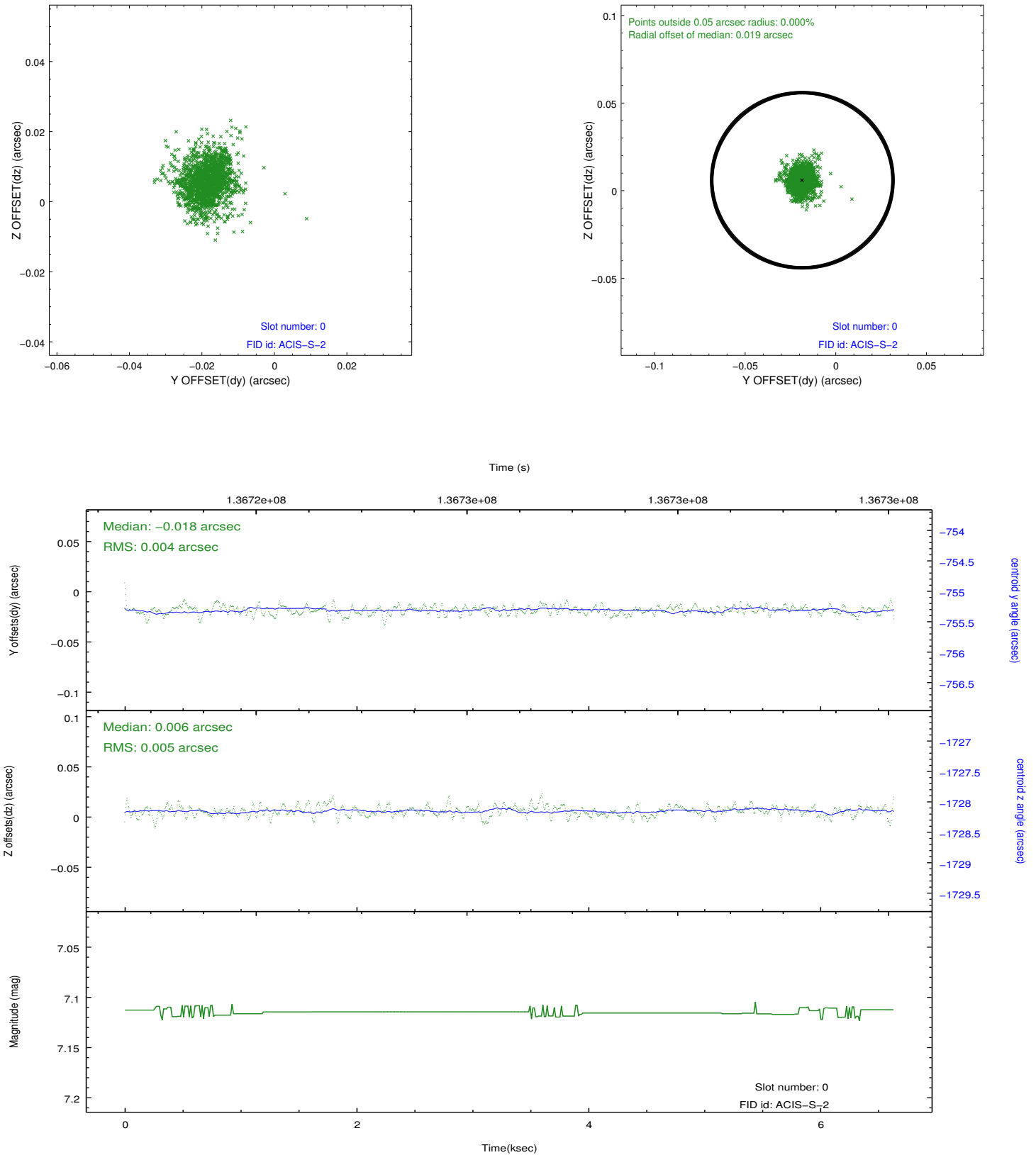


2.4.5 Slot 7

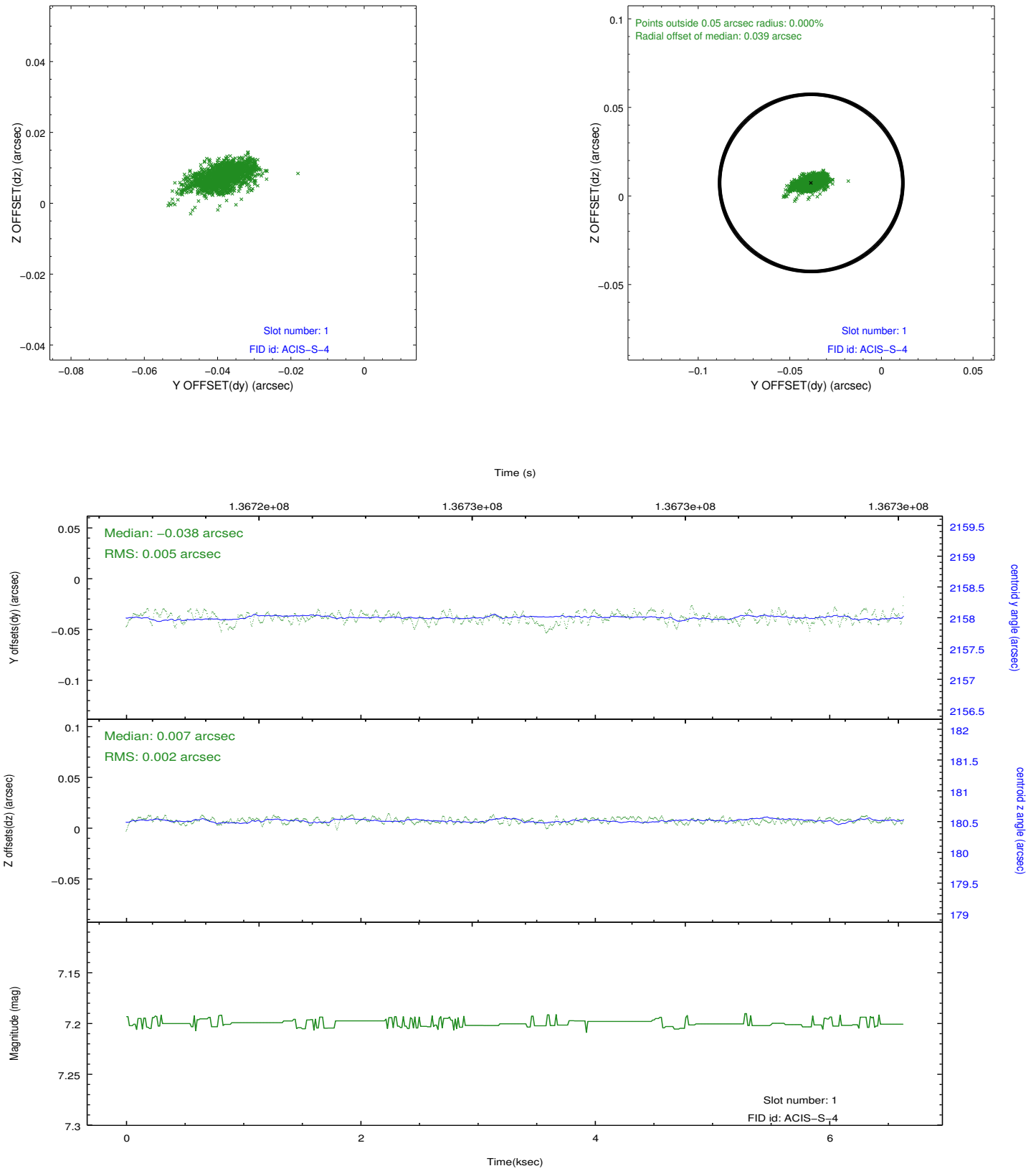


2.5 FID Slots

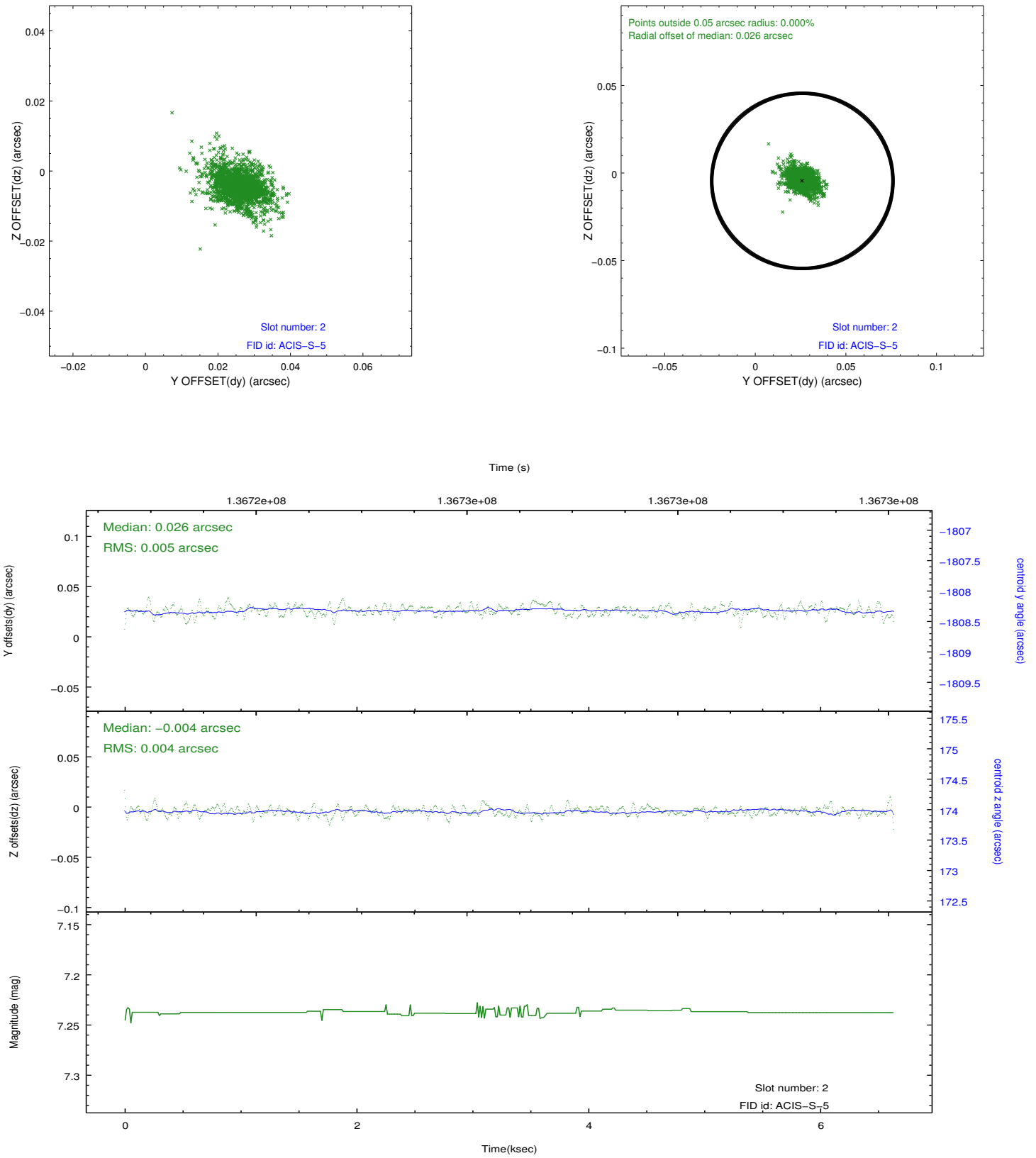
2.5.1 Slot 0



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)	2012.10.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.961

A.2 Comments

Joint proposal with NOAO.