

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 18096 - L2 Version 1
Chandra X-Ray Center

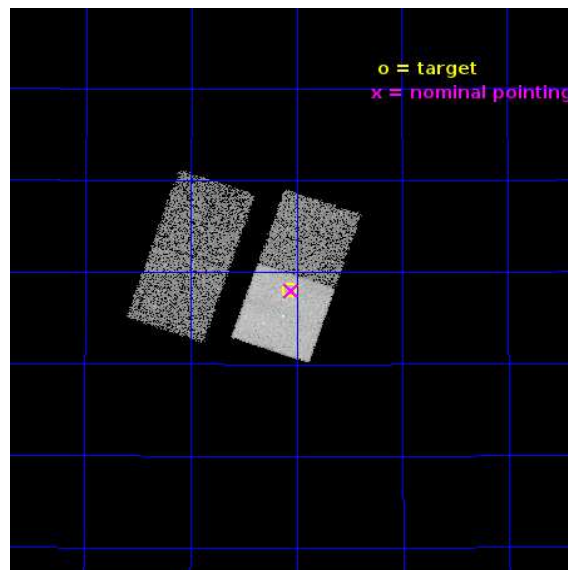
L2 Processing Date : Dec 17 2015

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1 Front

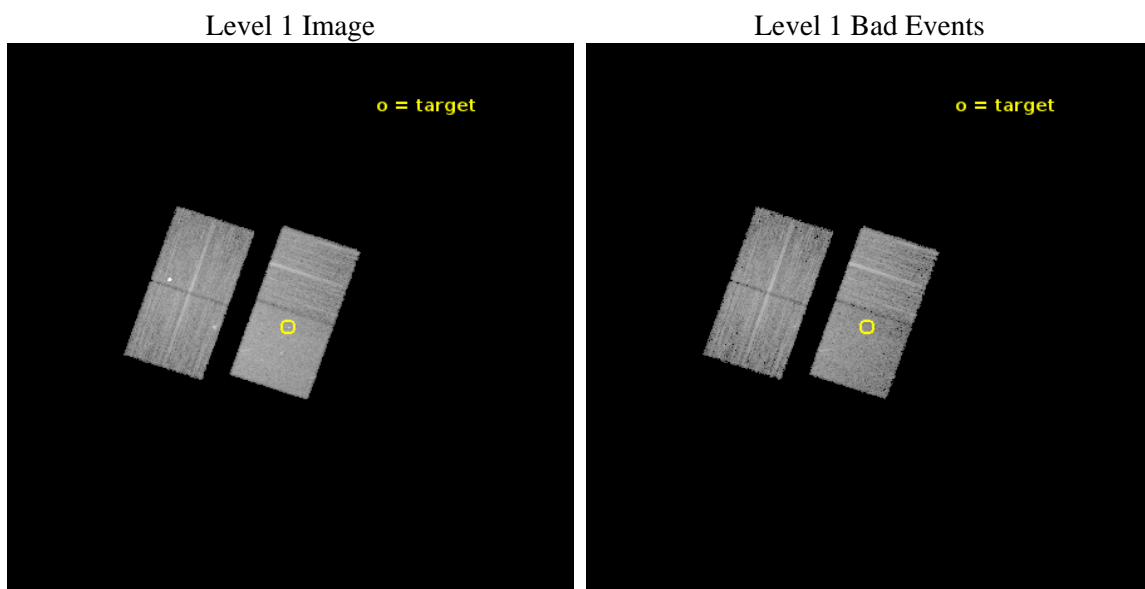
seq_num	703162	Sequence number
obs_id	18096	Observation id
title	Extending the Extragalactic 3CR Chandra Survey to z=1.5	Proposal t
observer	Francesco Massaro	Principal investigator
object	3CR 194	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	122.515	Observer's specified target RA [deg]
dec_targ	42.467778	Observer's specified target Dec [deg]
ra_nom	122.51197355573	Nominal RA [deg]
dec_nom	42.466944983413	Nominal Dec [deg]
roll_nom	108.89065068892	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12070.954681039	Sum of GTIs [s]
livetime	11913.238771624	Livetime [s]
ontime2	12070.831561089	Sum of GTIs [s]
ontime3	12070.872601032	Sum of GTIs [s]
ontime6	12067.772560716	Sum of GTIs [s]
ontime7	12070.954681039	Sum of GTIs [s]
l2events	55901	Number of level 2 events



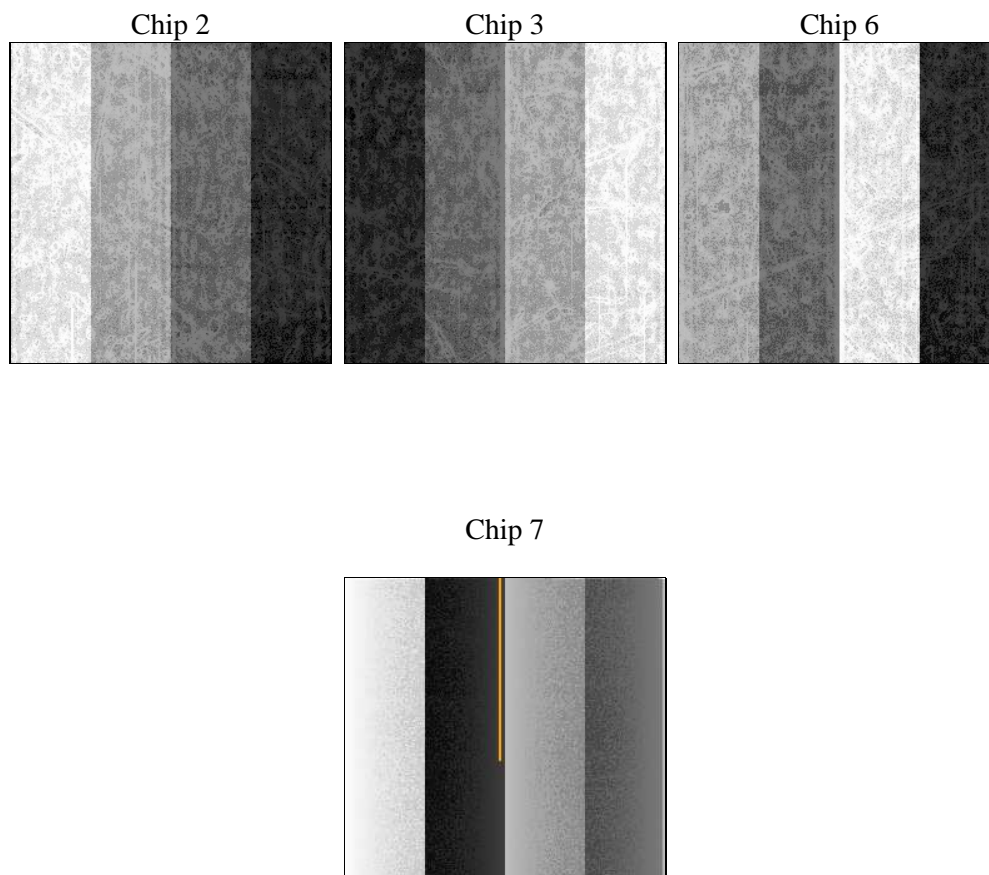
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	12070.954681039	Sum of GTIs [s]
caldbver	4.7.0	 	ontime2	12070.831561089	Sum of GTIs [s]
date	2015-12-17T16:10:20	Date and time of file creation	ontime3	12070.872601032	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12067.772560716	Sum of GTIs [s]
			ontime7	12070.954681039	Sum of GTIs [s]
			l1events	293488	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	67824	66184	70248	89232
rejected events	57491	58761	62542	51148
rejected %	84%	88%	89%	57%

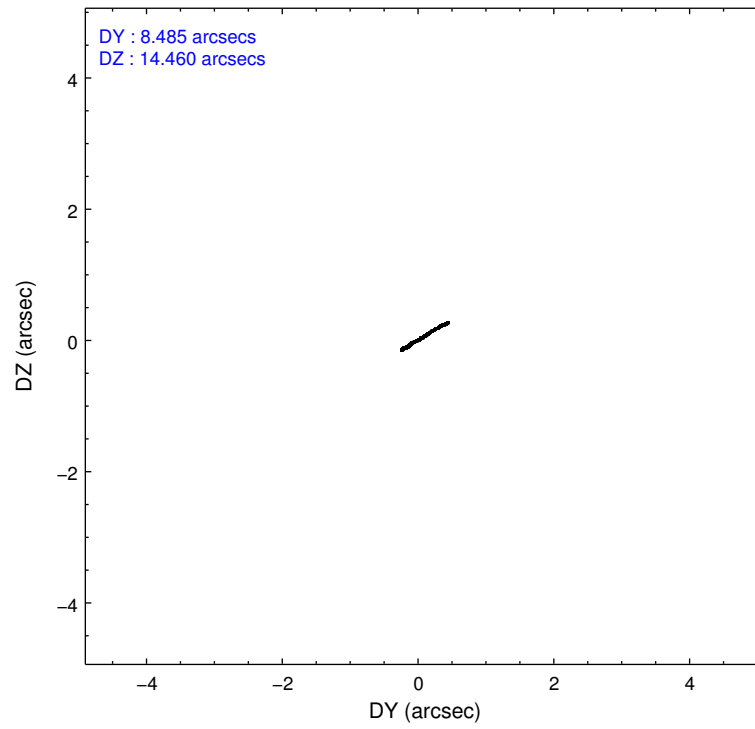
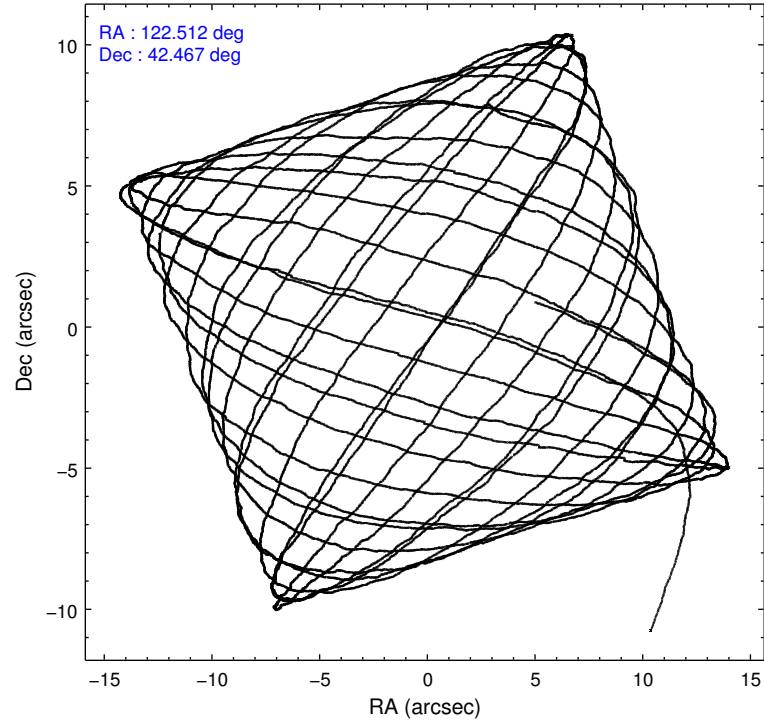
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	6027	2900	2324	3225
	8%	4%	3%	3%
grade 1 events	52	47	35	112
	0%	0%	0%	0%
grade 2 events	1460	1489	1939	7998
	2%	2%	2%	8%
grade 3 events	707	733	733	2828
	1%	1%	1%	3%
grade 4 events	742	729	679	2748
	1%	1%	0%	3%
grade 5 events	2622	3267	3132	8151
	3%	4%	4%	9%
grade 6 events	1401	1574	2034	21293
	2%	2%	2%	23%
grade 7 events	54813	55445	59372	42877
	80%	83%	84%	48%

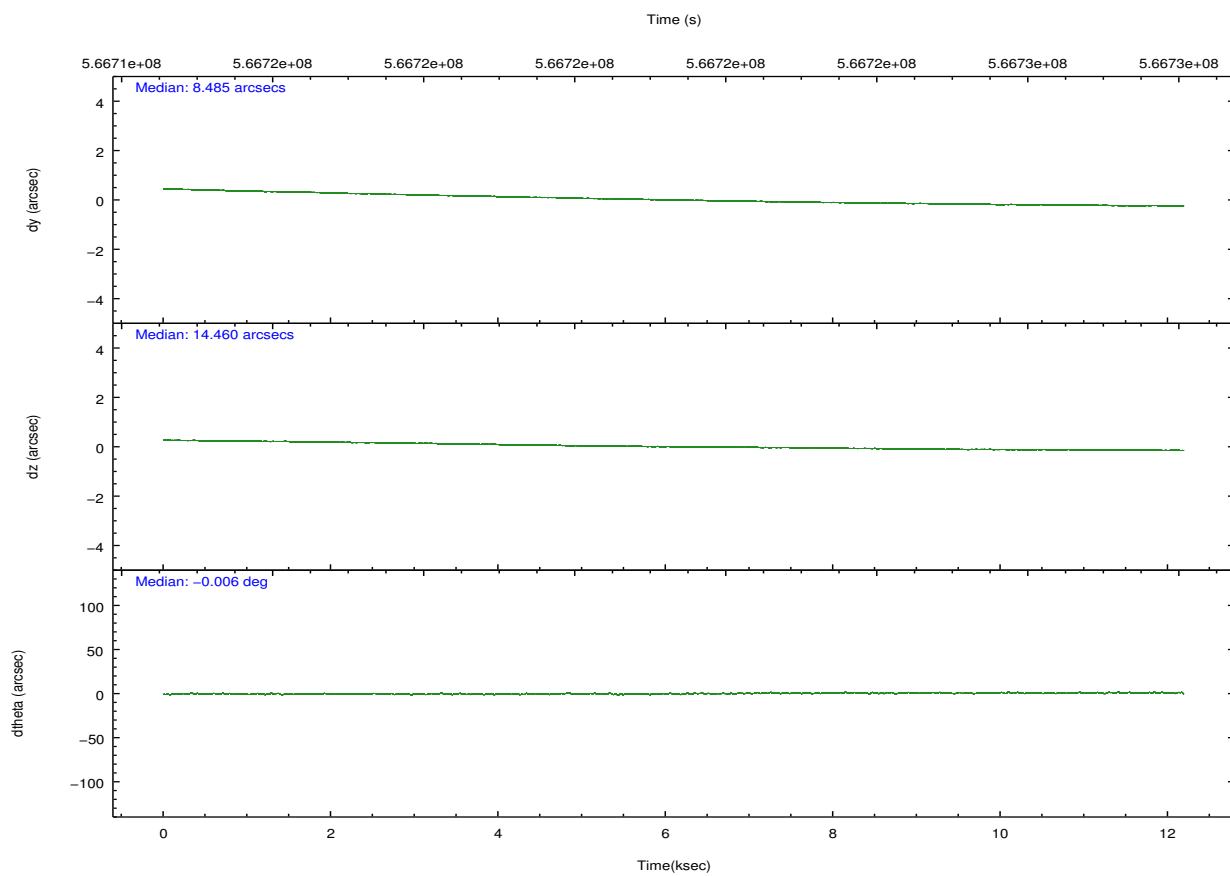
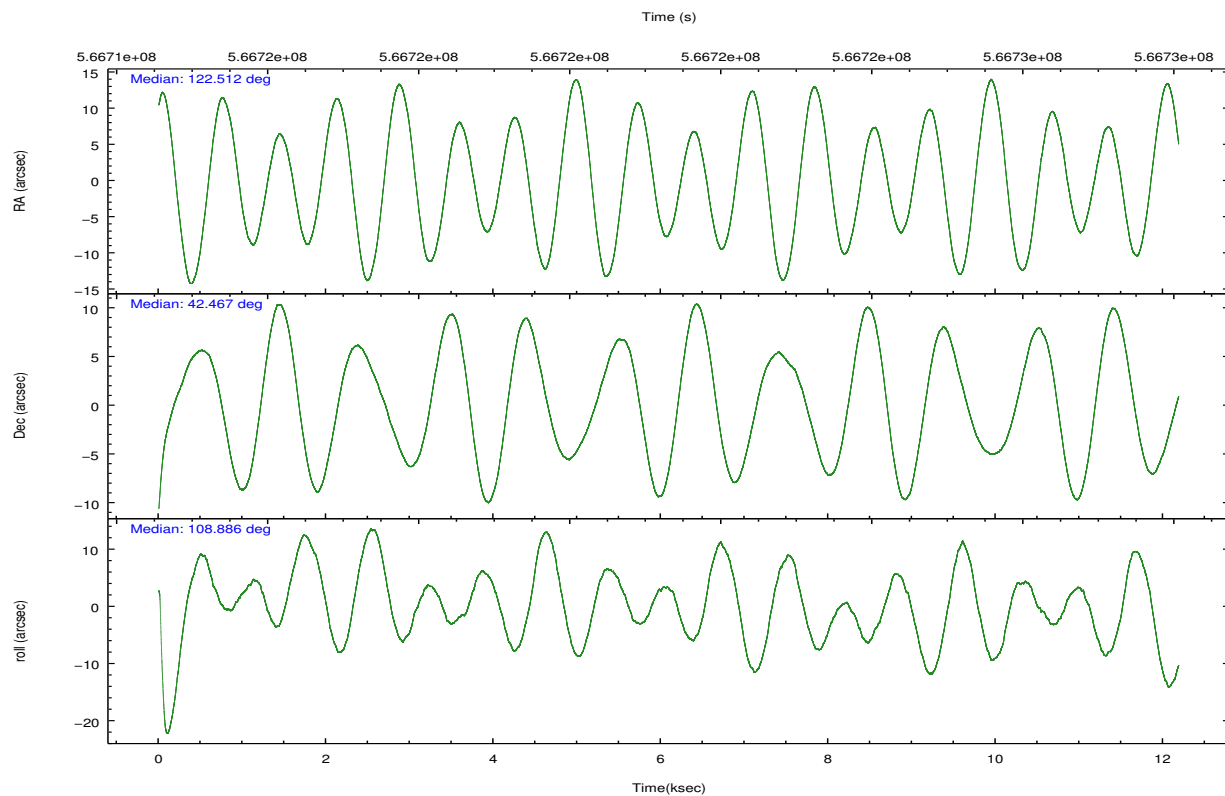
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-2367	ACIS-2367
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	122.540301	122.5119735557311
[deg] Pointing Dec	42.449202	42.46694498341287
[deg] Pointing Roll	108.714864	108.8906506889221
[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)	566715394.184000	566714050.96727
Observation start date	2015-12-17T04:55:26	2015-12-17T04:34:10
[s] Observation end time (MET)	566727394.184000	566727639.3930399
Observation end date	2015-12-17T08:15:26	2015-12-17T08:20:39
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
CCD I0 on	N	N
CCD I1 on	N	N
CCD I2 on	O1	Y
CCD I3 on	O2	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	N	N
CCD S5 on	N	N
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.1

2.3 Aspect



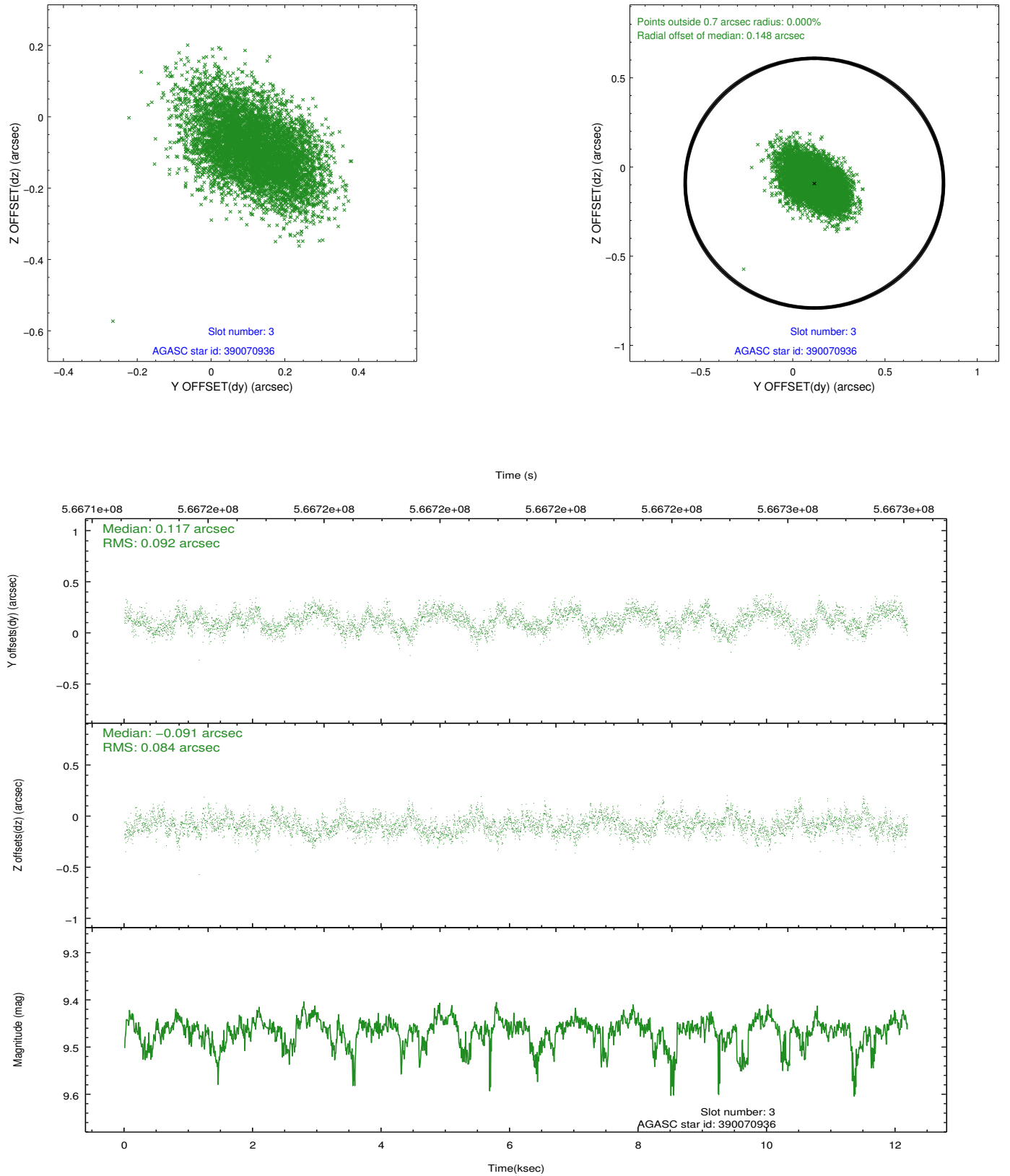


Slot Statistics

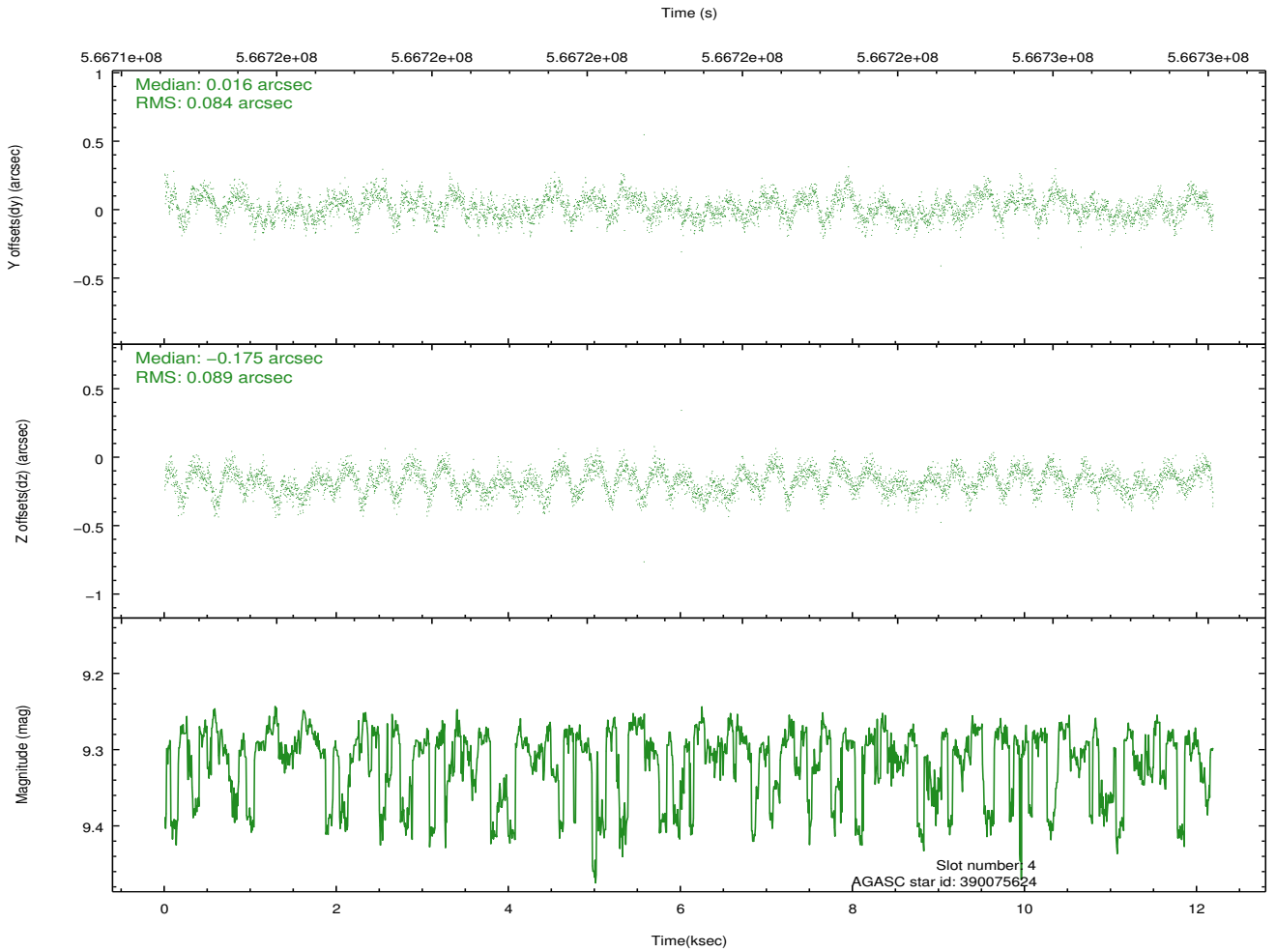
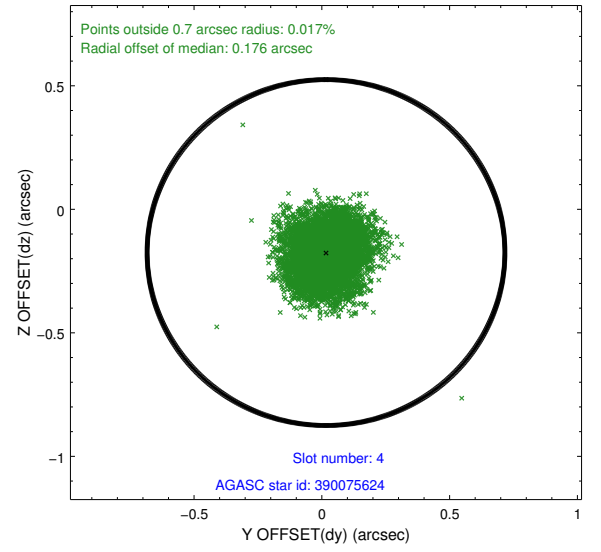
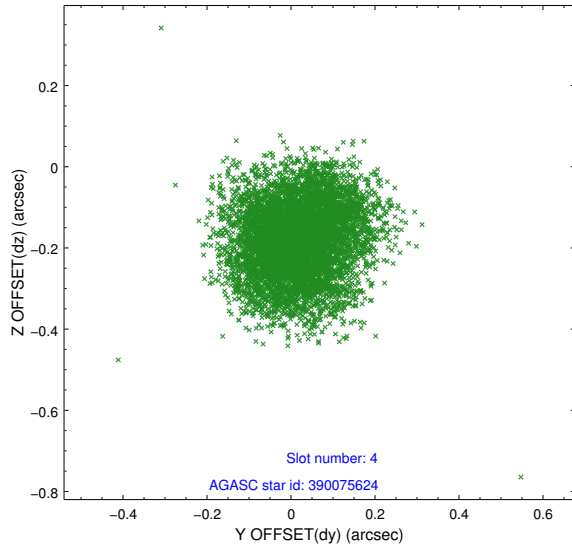
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.23	2972	0.047	-0.044	0.011	0.016	0.000000	0.000000	934.80	-1731.51
1	FID		ACIS-S-4	7.25	2972	0.263	0.011	0.011	0.021	0.000000	0.000000	2152.61	172.31
2	FID		ACIS-S-5	7.27	2972	-0.338	0.044	0.008	0.014	0.000000	0.000000	-1813.97	166.31
3	GUIDE	used	390070936	9.46	5939	0.117	-0.091	0.130	0.219	122.243728	42.332075	-145.44	882.90
4	GUIDE	used	390075624	9.30	5938	0.016	-0.175	0.132	0.203	122.191730	41.862066	-1700.32	1563.14
5	GUIDE	used	390076552	9.55	5940	0.041	0.375	0.142	0.228	122.868934	42.014547	-1762.68	-330.18
6	GUIDE	used	390204920	9.69	5937	0.193	0.233	0.157	0.264	123.432047	42.449494	-747.20	-2247.46
7	GUIDE	used	390470352	9.06	5938	-0.366	-0.345	0.118	0.192	122.010309	42.518150	690.09	1250.28

2.4 Star Slots

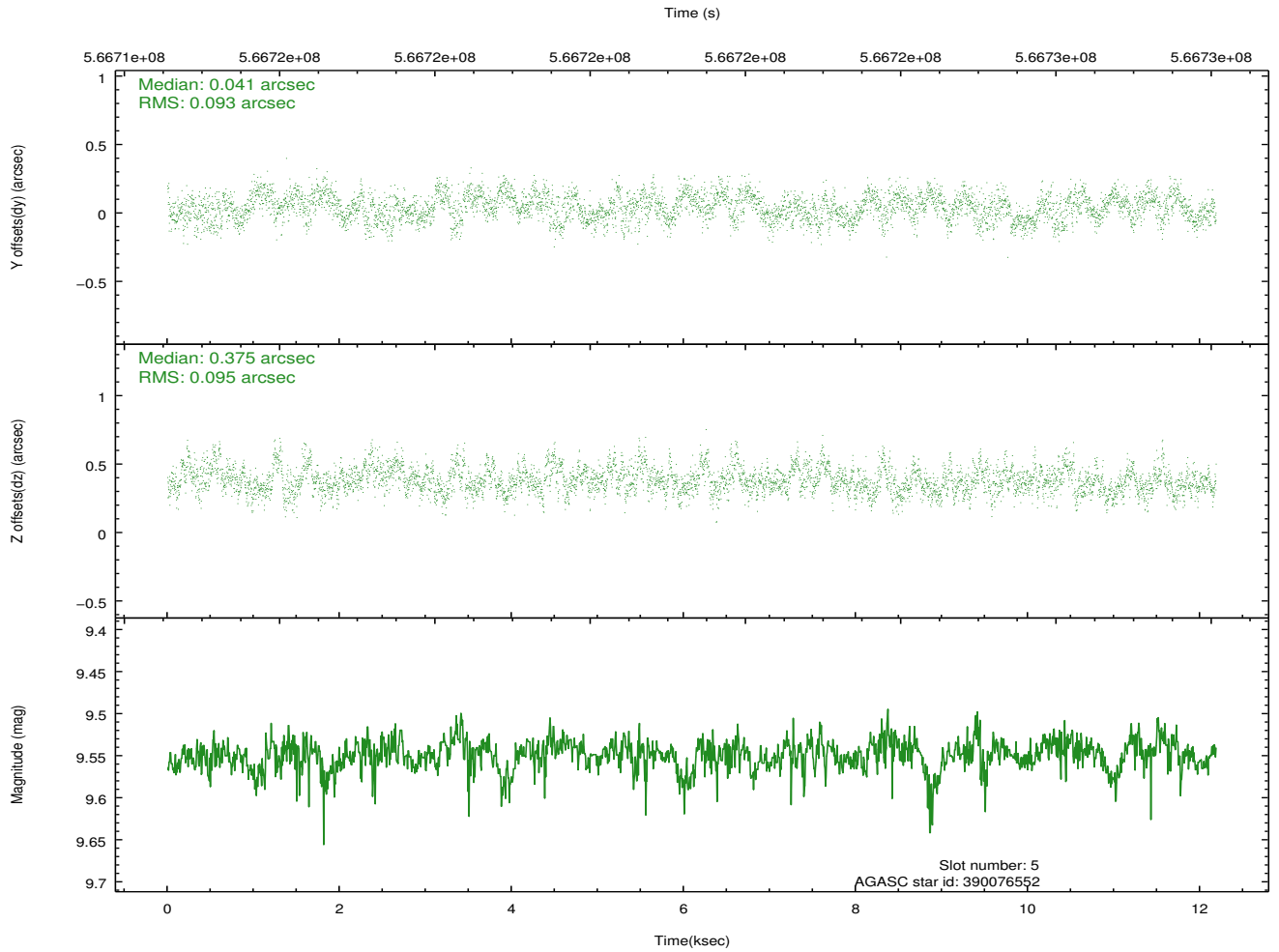
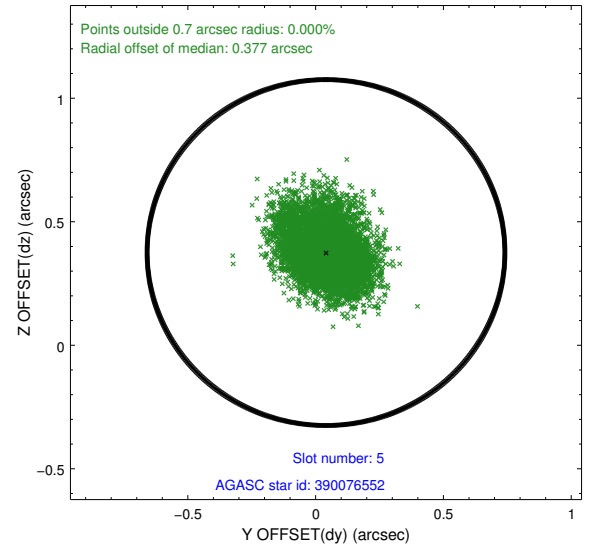
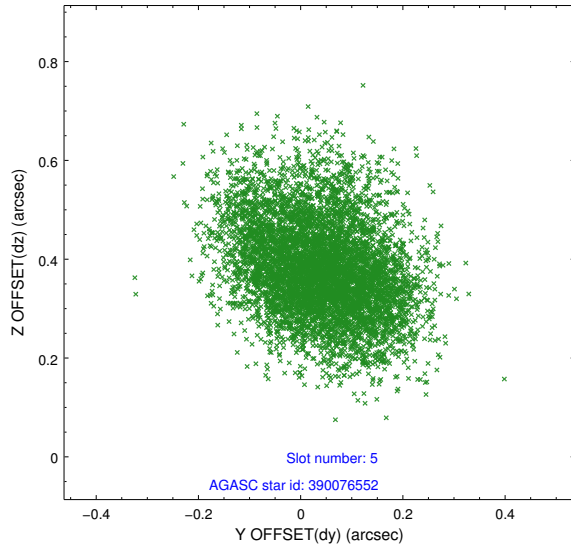
2.4.1 Slot 3



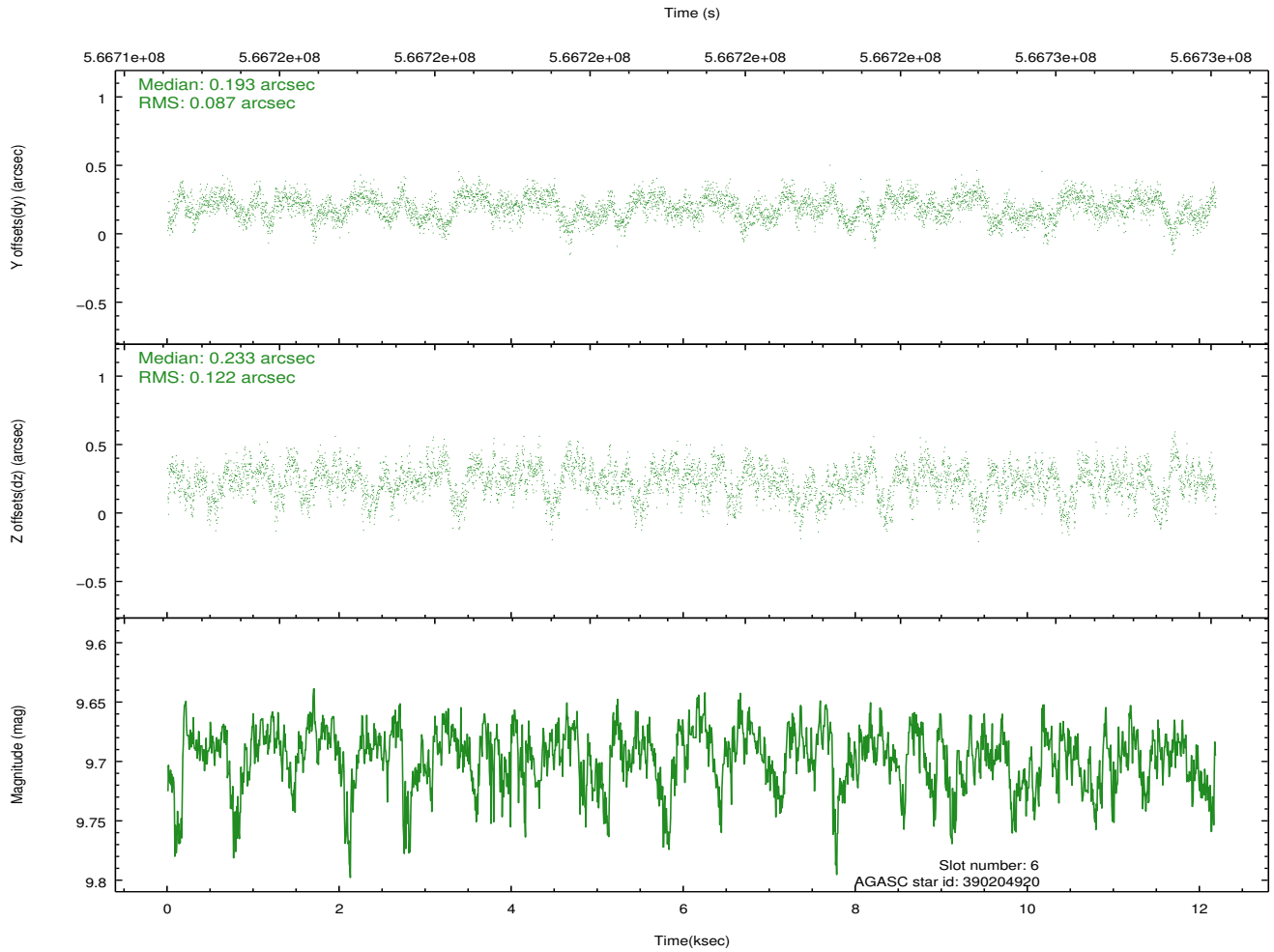
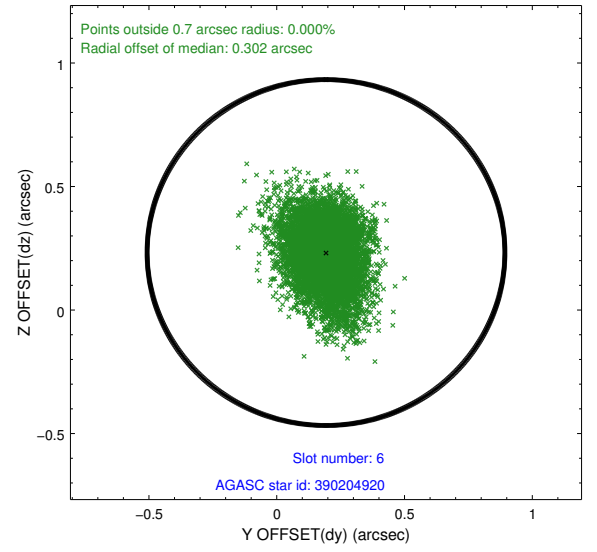
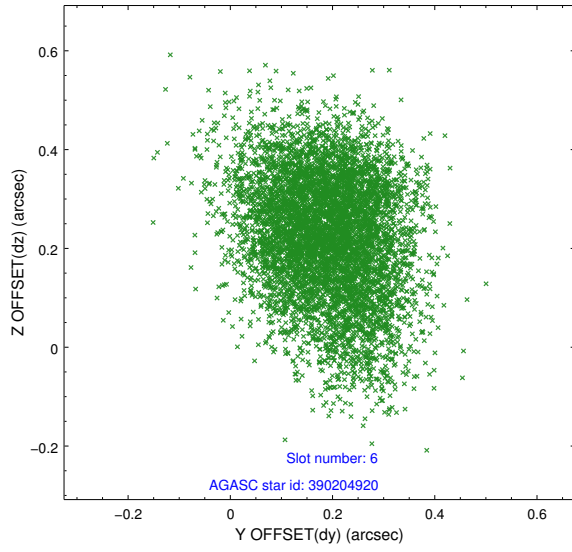
2.4.2 Slot 4



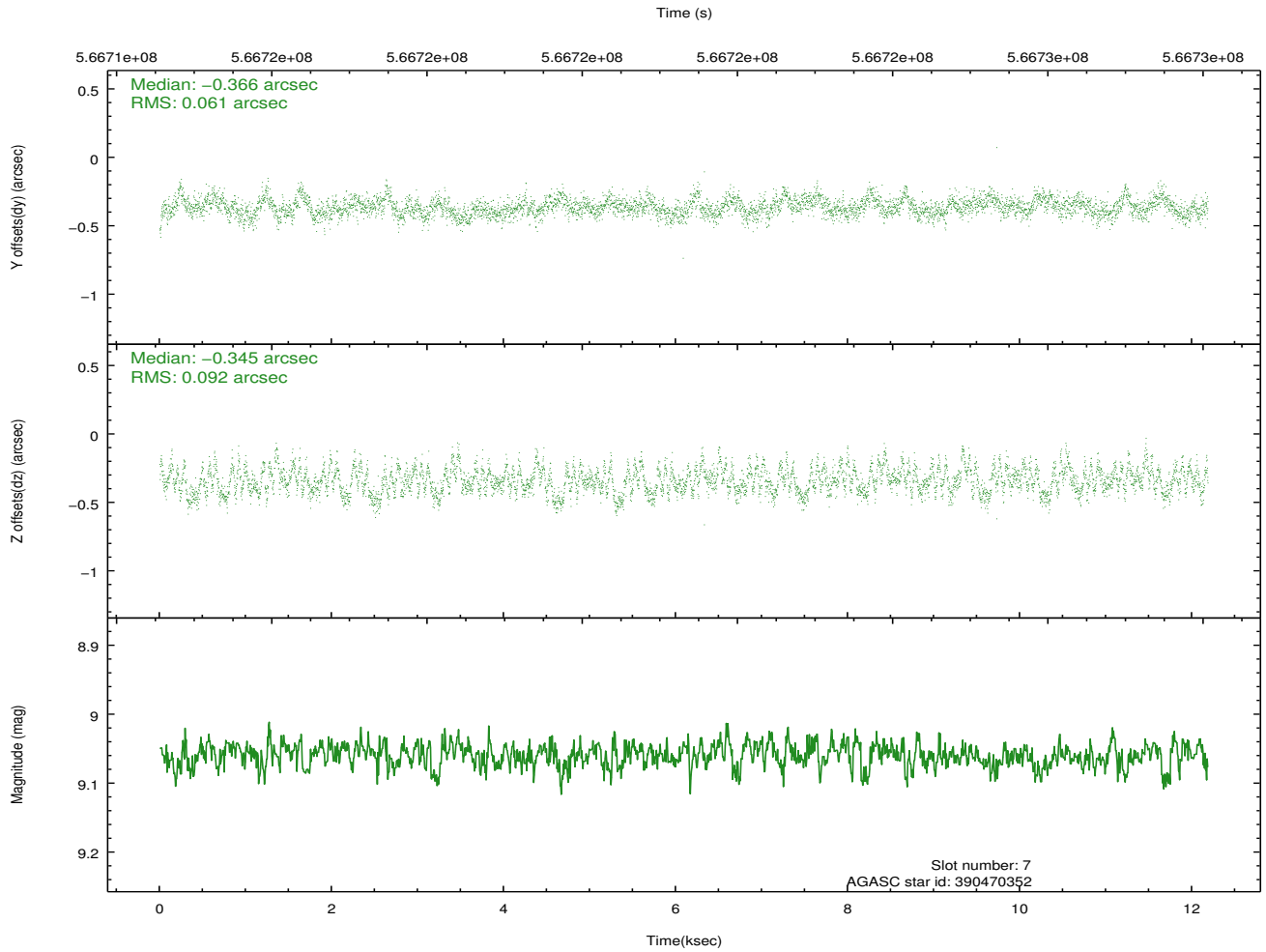
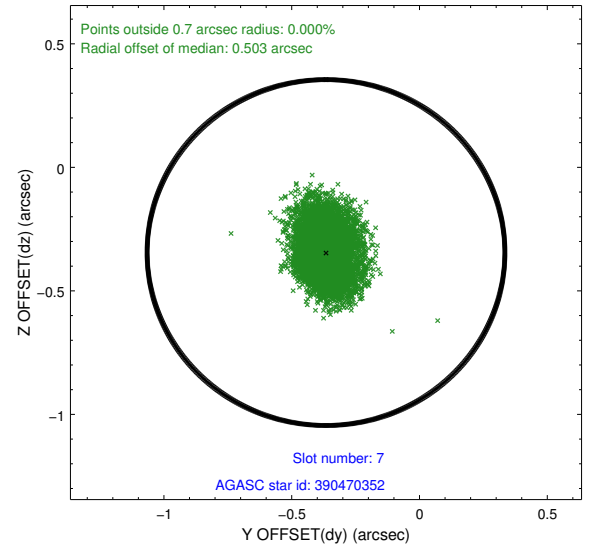
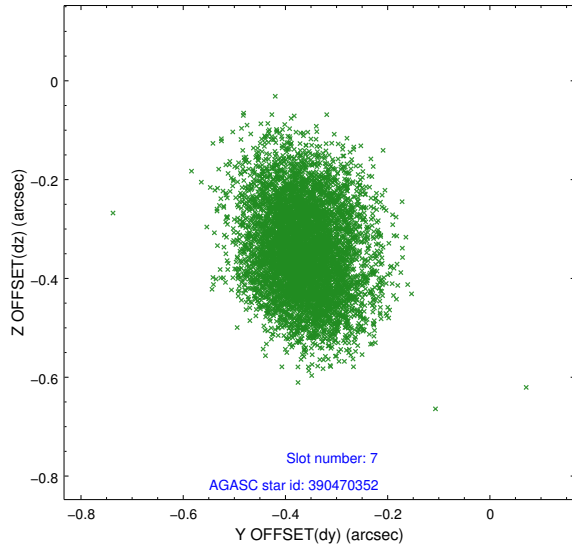
2.4.3 Slot 5



2.4.4 Slot 6

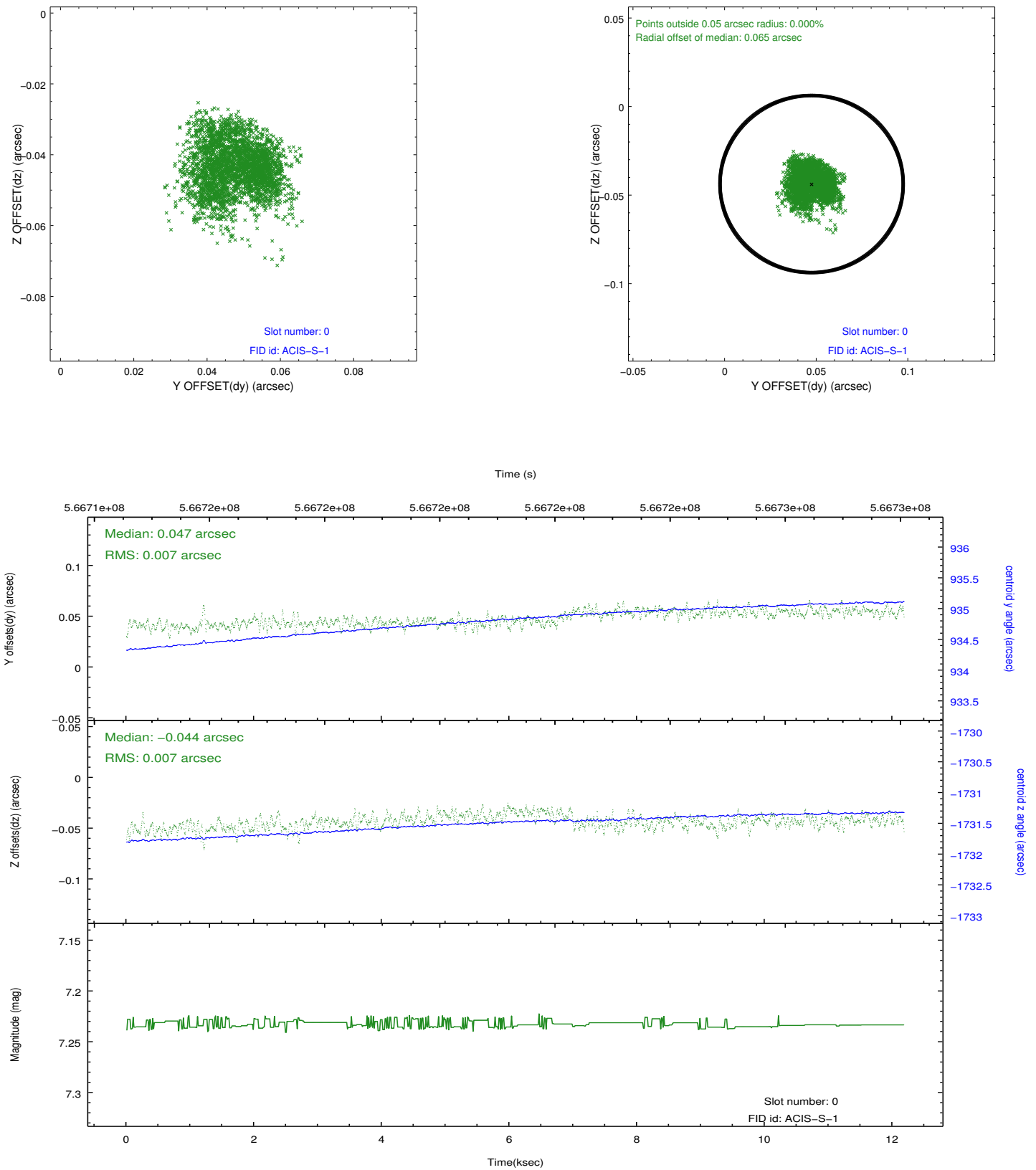


2.4.5 Slot 7

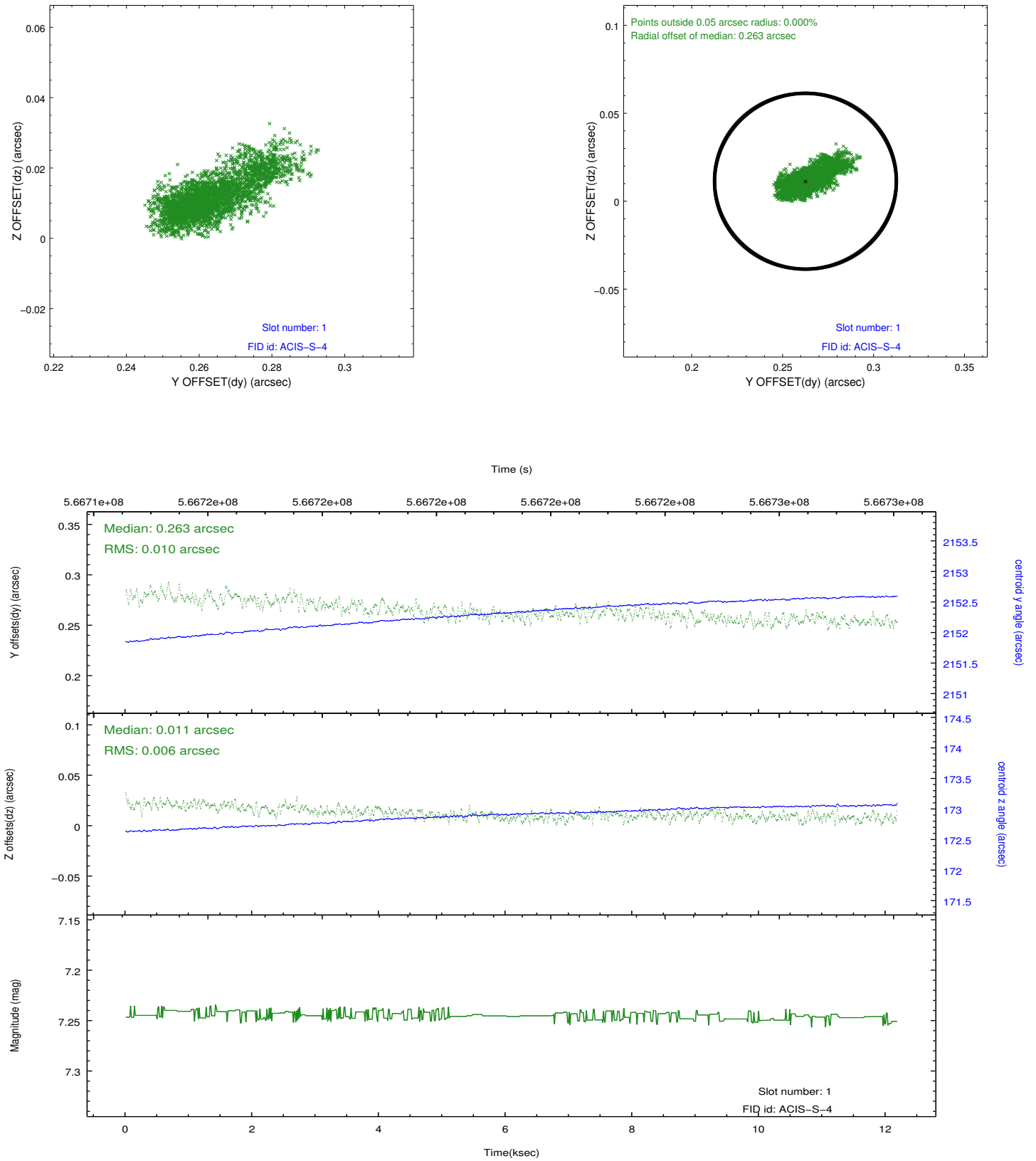


2.5 FID Slots

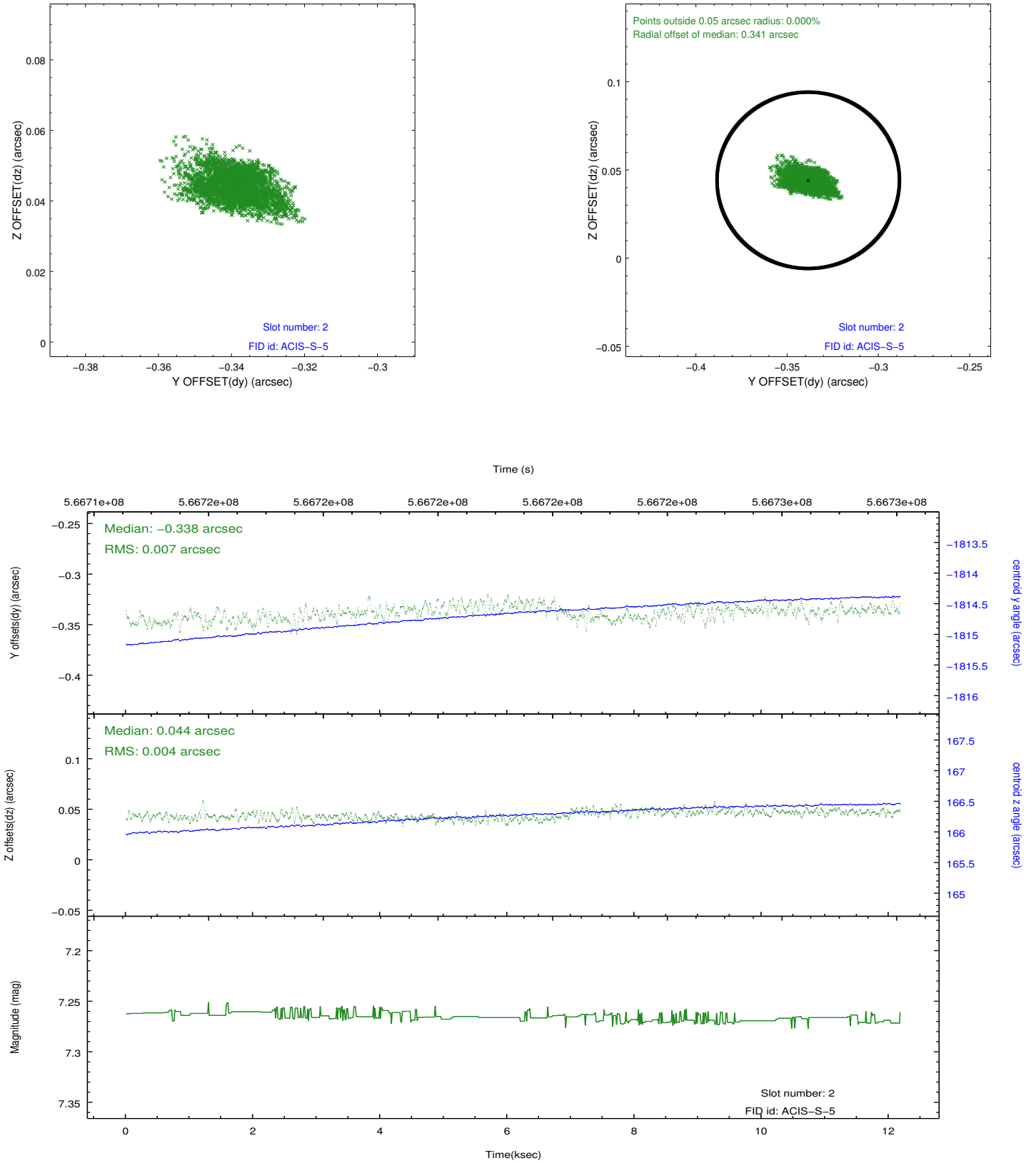
2.5.1 Slot 0



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)	2015.12.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.070954681039

A.2 Comments