

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 22193 - L2 Version 1
Chandra X-Ray Center

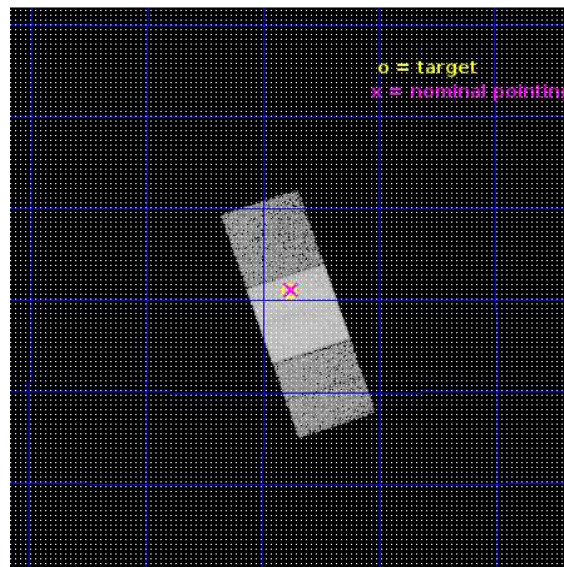
L2 Processing Date : Apr 22 2019

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1 Front

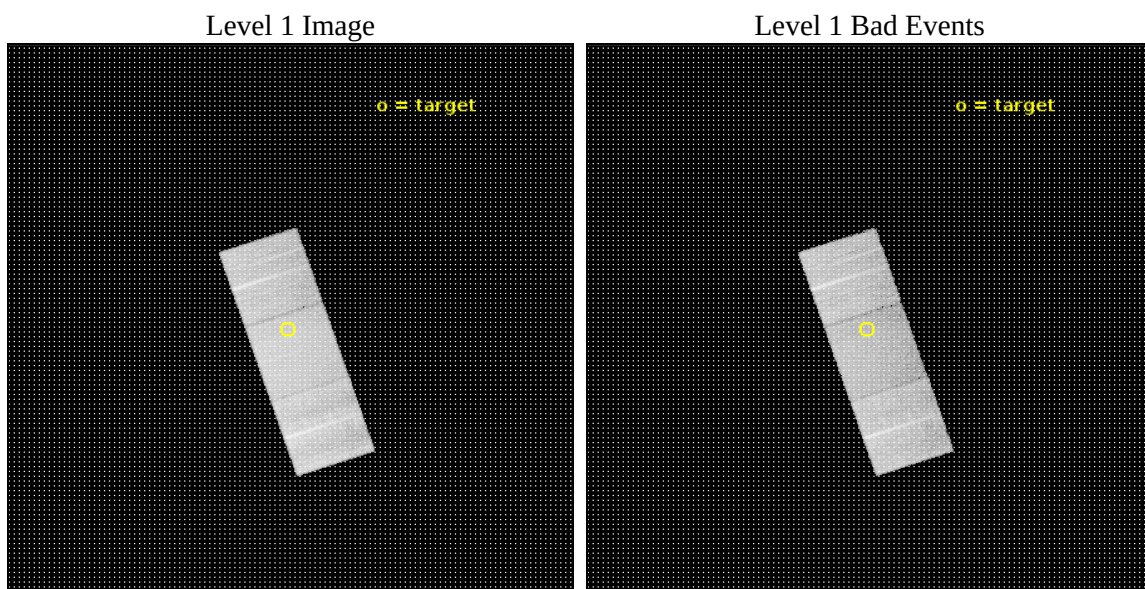
seq_num	703884	Sequence number
obs_id	22193	Observation id
title	X-RAY SURVEYING RADIO-LOUD ACTIVE GALAXIES AND THEIR LARGE-SCALE ENVIRONMENTS	Proposal title
observer	Francesco Massaro	Principal investigator
object	B2.3 2254+35	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	344.191803	Observer's specified target RA [deg]
dec_targ	35.682442	Observer's specified target Dec [deg]
ra_nom	344.18831519018	Nominal RA [deg]
dec_nom	35.686309928044	Nominal Dec [deg]
roll_nom	71.351961848293	Nominal Roll [deg]
revision	1	Processing version of data
ontime	16107.600124002	Sum of GTIs [s]
livetime	15897.142470139	Livetime [s]
ontime6	16107.600124002	Sum of GTIs [s]
ontime7	16107.600124002	Sum of GTIs [s]
ontime8	16104.459133983	Sum of GTIs [s]
l2events	94946	Number of level 2 events



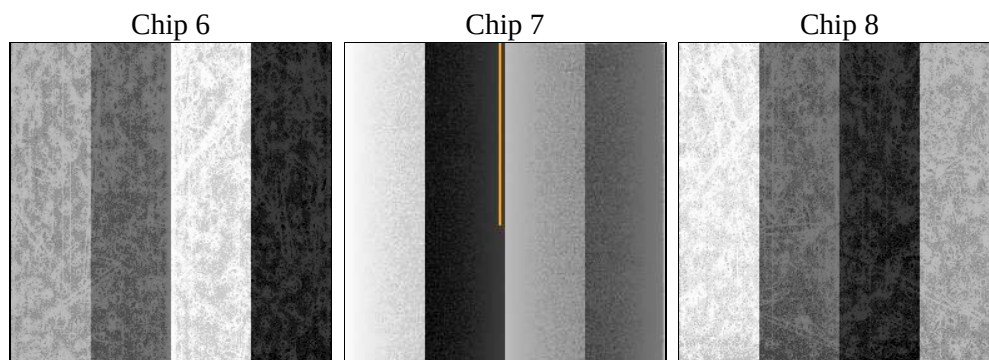
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	16000.000000	[s] Scheduled observation exposure time
ascdsver	10.7.1	Processing system revision	ontime	16107.600124002	Sum of GTIs [s]
caldbver	4.8.2	 	ontime6	16107.600124002	Sum of GTIs [s]
date	2019-04-22T12:54:31	Date and time of file creation	ontime7	16107.600124002	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	16104.459133983	Sum of GTIs [s]
			l1events	448839	Number of level 1 events

2.1.4 Events

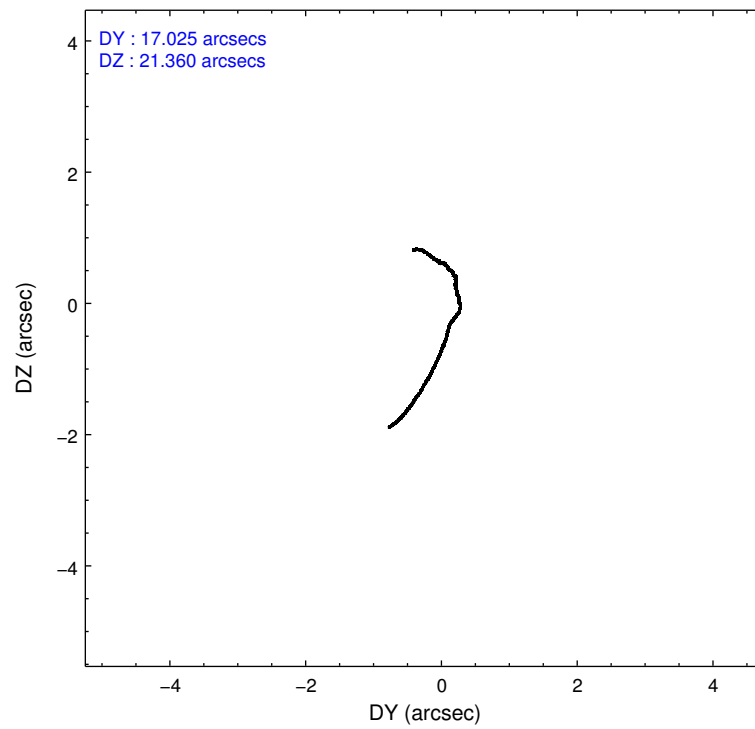
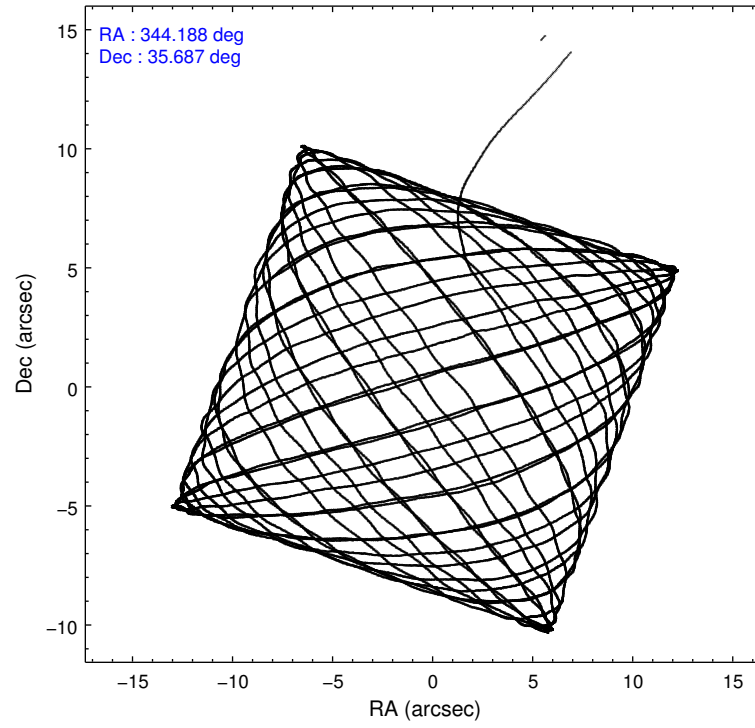
	ccd 6	ccd 7	ccd 8
level 1 events	128666	156592	163581
rejected events	114626	86893	119839
rejected %	89%	55%	73%

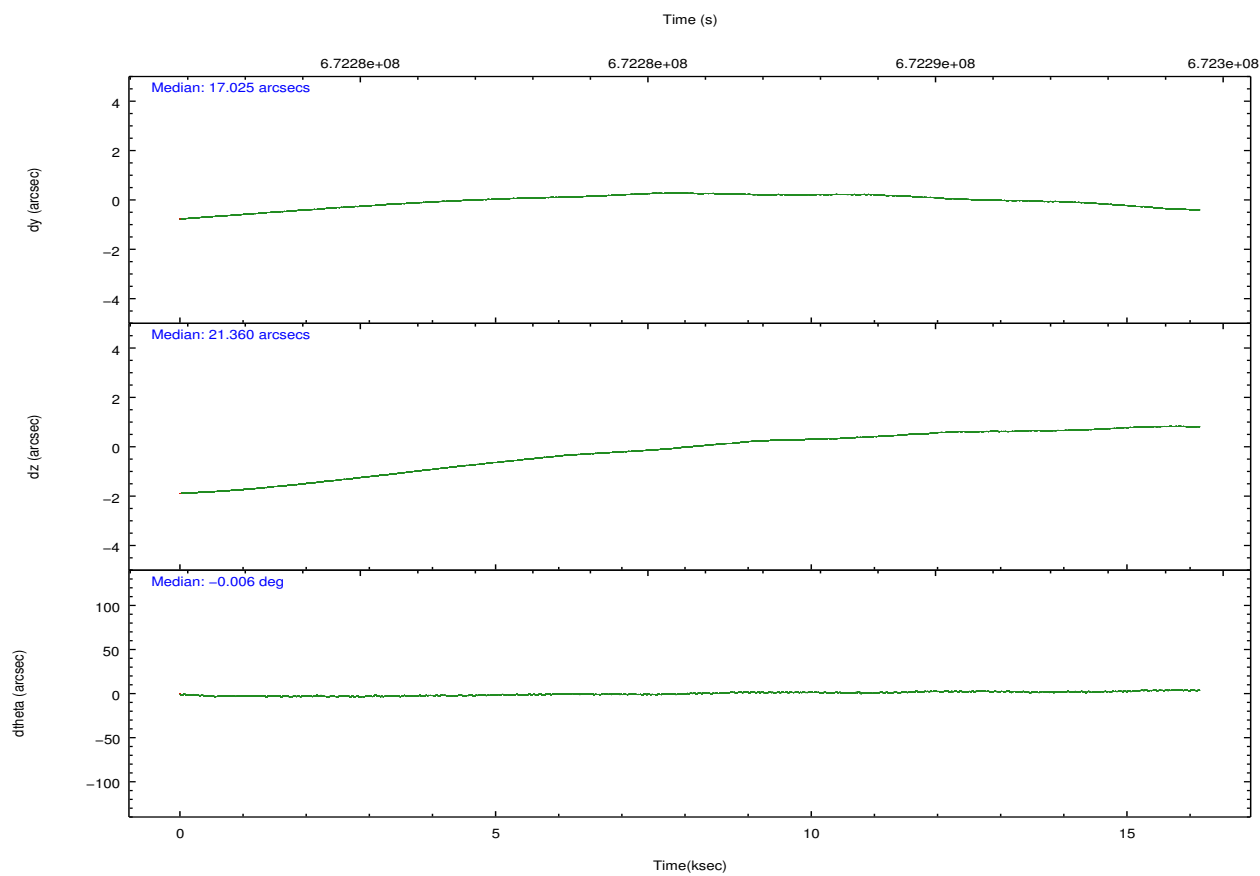
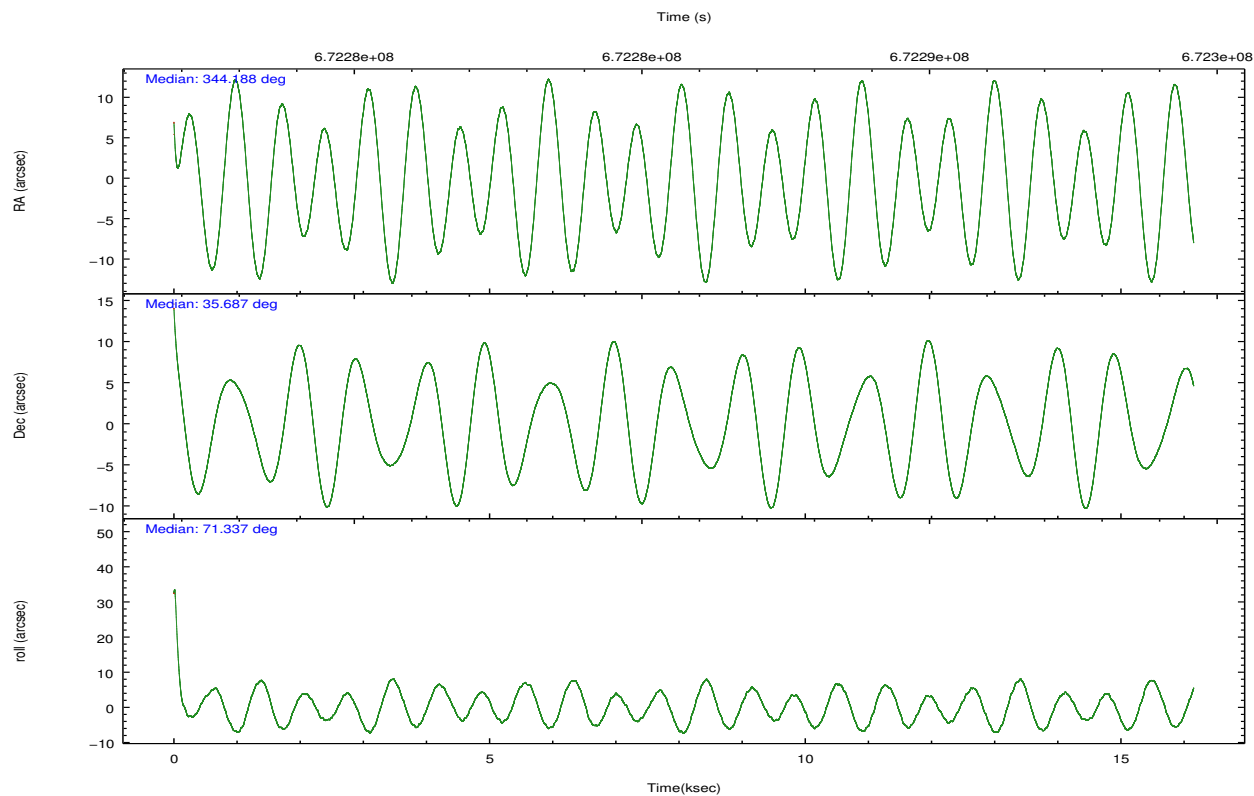
	ccd 6	ccd 7	ccd 8
grade 0 events	4480	6086	12200
	3%	3%	7%
grade 1 events	59	208	147
	0%	0%	0%
grade 2 events	3457	15049	10647
	2%	9%	6%
grade 3 events	1261	5360	4236
	0%	3%	2%
grade 4 events	1261	5256	4066
	0%	3%	2%
grade 5 events	5273	14746	8370
	4%	9%	5%
grade 6 events	3585	37965	12595
	2%	24%	7%
grade 7 events	109290	71922	111320
	84%	45%	68%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	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	344.195368	344.1883151901833	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.659465	35.68630992804417	Alternating exposures requested	N	N
[deg] Pointing Roll	71.191200	71.35196184829306	[s] Primary exposure time	0.000000	3.1
[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)	672277791.184000	672276616.21033			
Observation start date	2019-04-21T23:48:42	2019-04-21T23:30:16			
[s] Observation end time (MET)	672293791.184000	672295147.69894			
Observation end date	2019-04-22T04:15:22	2019-04-22T04:39:07			
Read mode	TIMED	TIMED			

2.3 Aspect



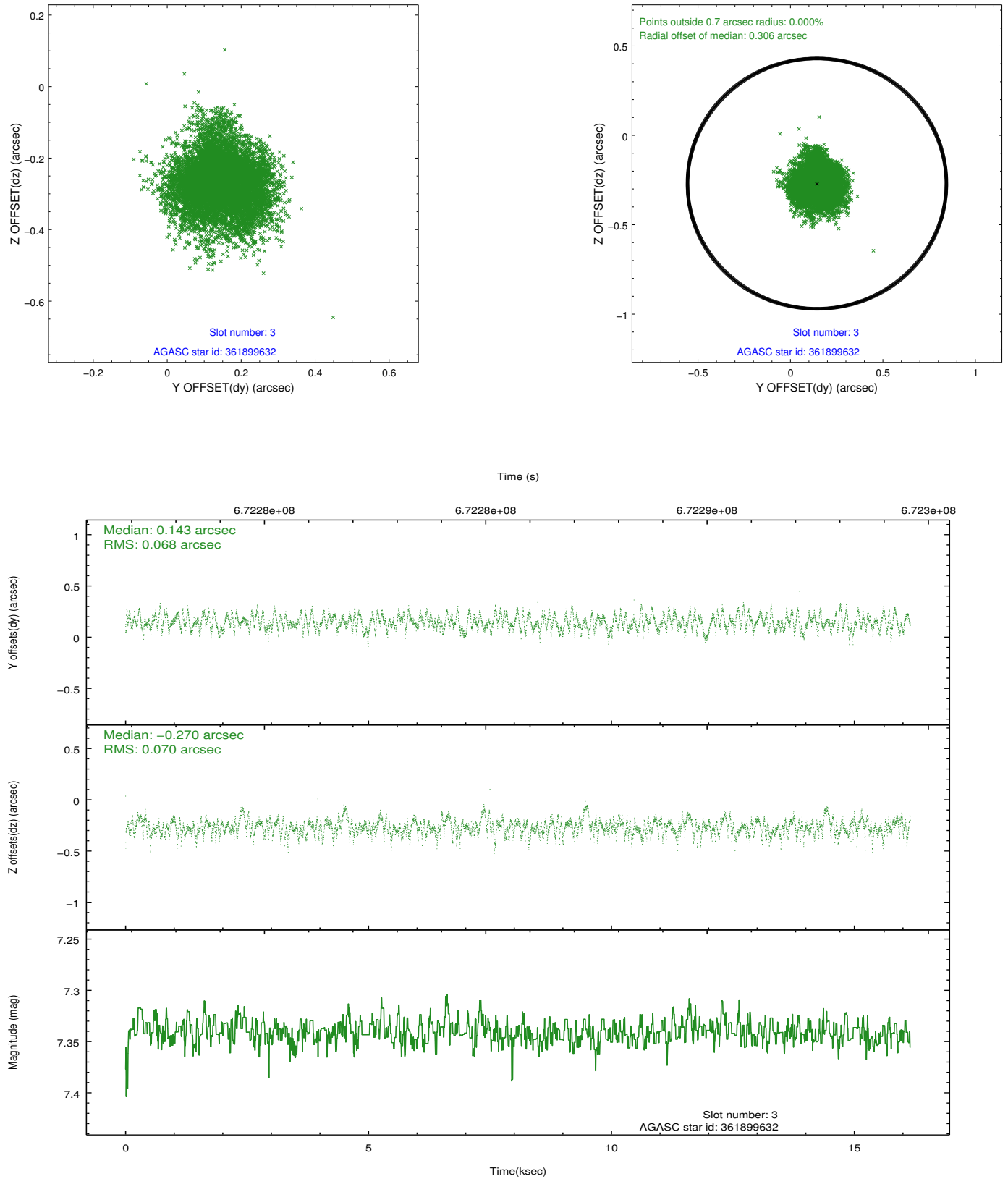


Slot Statistics

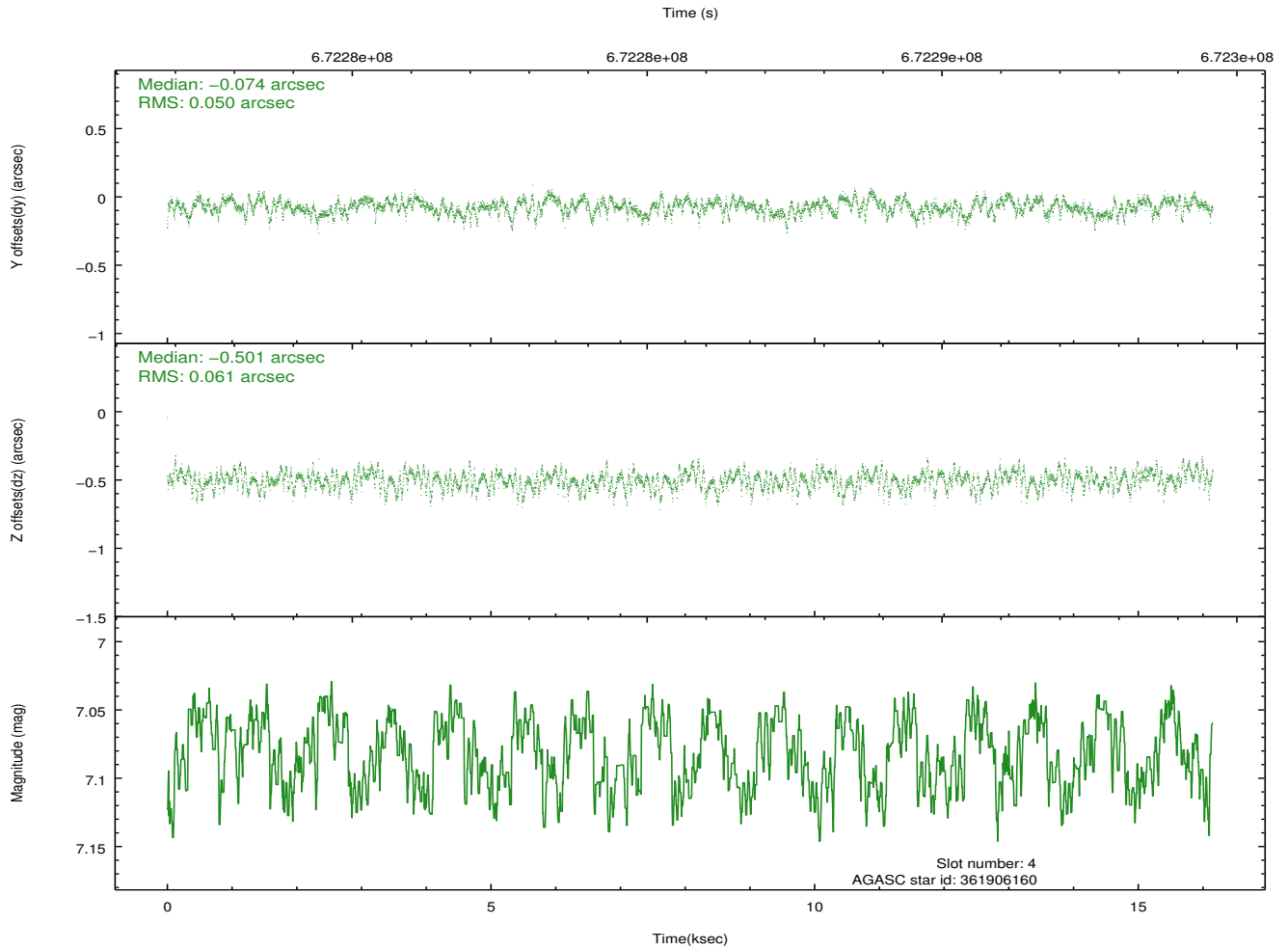
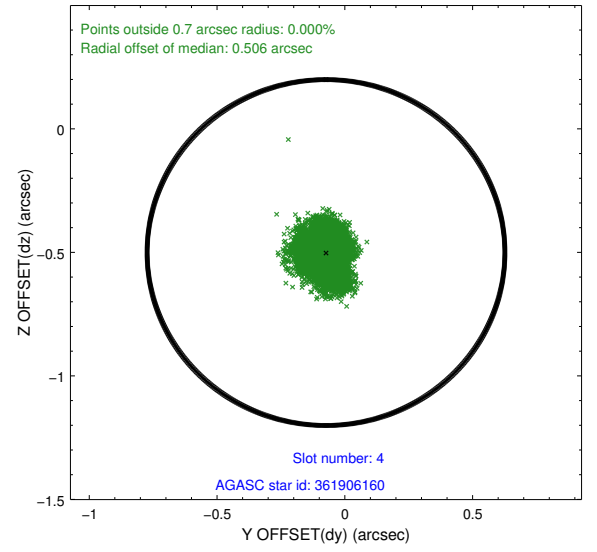
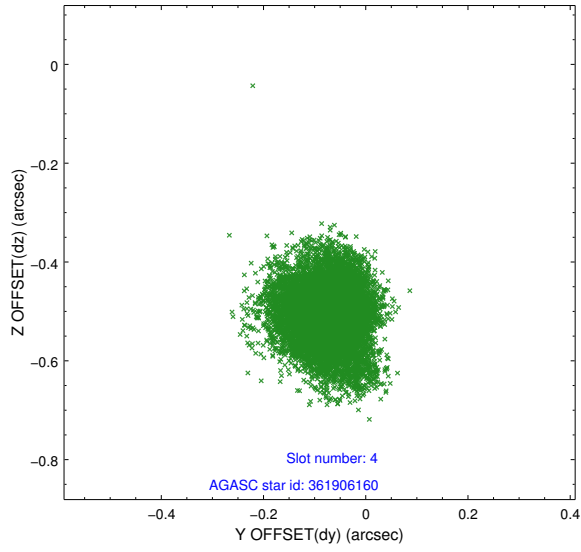
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		ACIS-S-3	7.35	3939	1.000	-0.220	-0.228	0.022	0.035	0.000000	0.000000	43.06	-1871
1	FID		ACIS-S-4	7.24	3939	1.000	0.749	0.223	0.026	0.048	0.000000	0.000000	2144.11	165
2	FID		ACIS-S-5	7.20	3939	1.000	-0.556	0.014	0.014	0.023	0.000000	0.000000	-1823.05	159
3	GUIDE	used	361899632	7.34	7879	1.000	0.143	-0.270	0.105	0.165	343.681910	35.983643	625.63	1791
4	GUIDE	used	361906160	7.08	7879	1.000	-0.074	-0.501	0.085	0.136	343.861196	36.160986	1396.45	1501
5	GUIDE	used	362029904	7.78	7877	1.000	0.174	0.437	0.118	0.200	345.103099	35.771921	1249.08	-2374
6	GUIDE	used	362032016	6.42	7879	1.000	-0.219	0.413	0.109	0.226	345.063822	35.913072	1690.96	-2098
7	GUIDE	used	362033152	7.72	7875	1.000	-0.018	-0.068	0.097	0.162	344.568418	36.190278	2160.08	-410

2.4 Star Slots

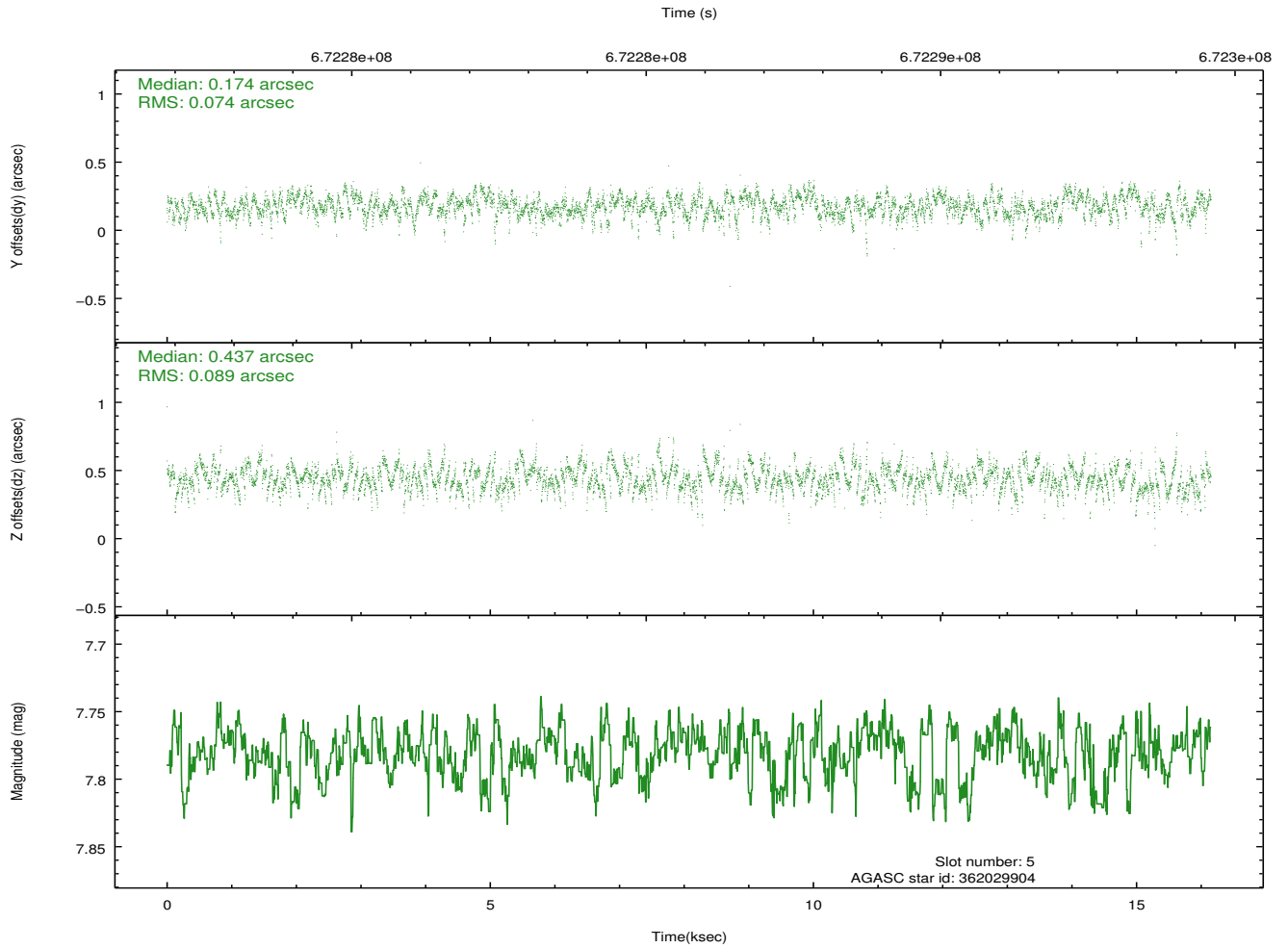
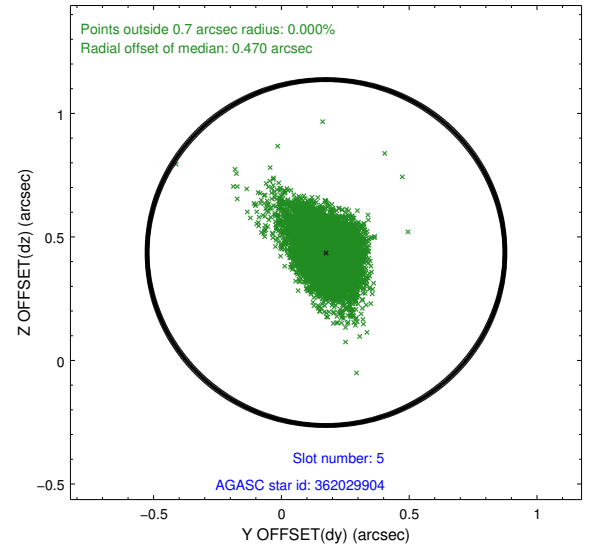
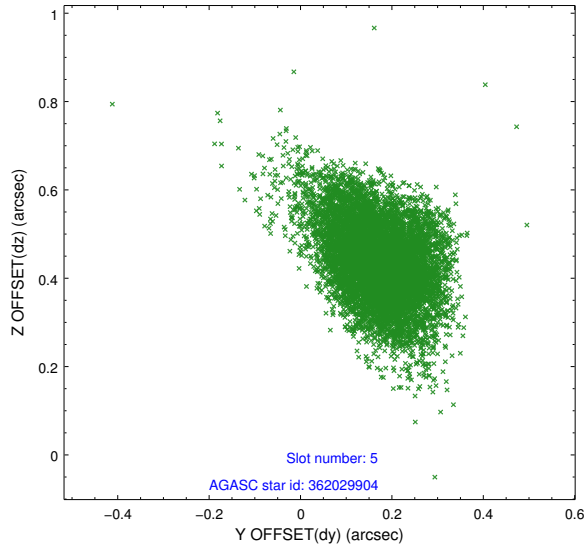
2.4.1 Slot 3



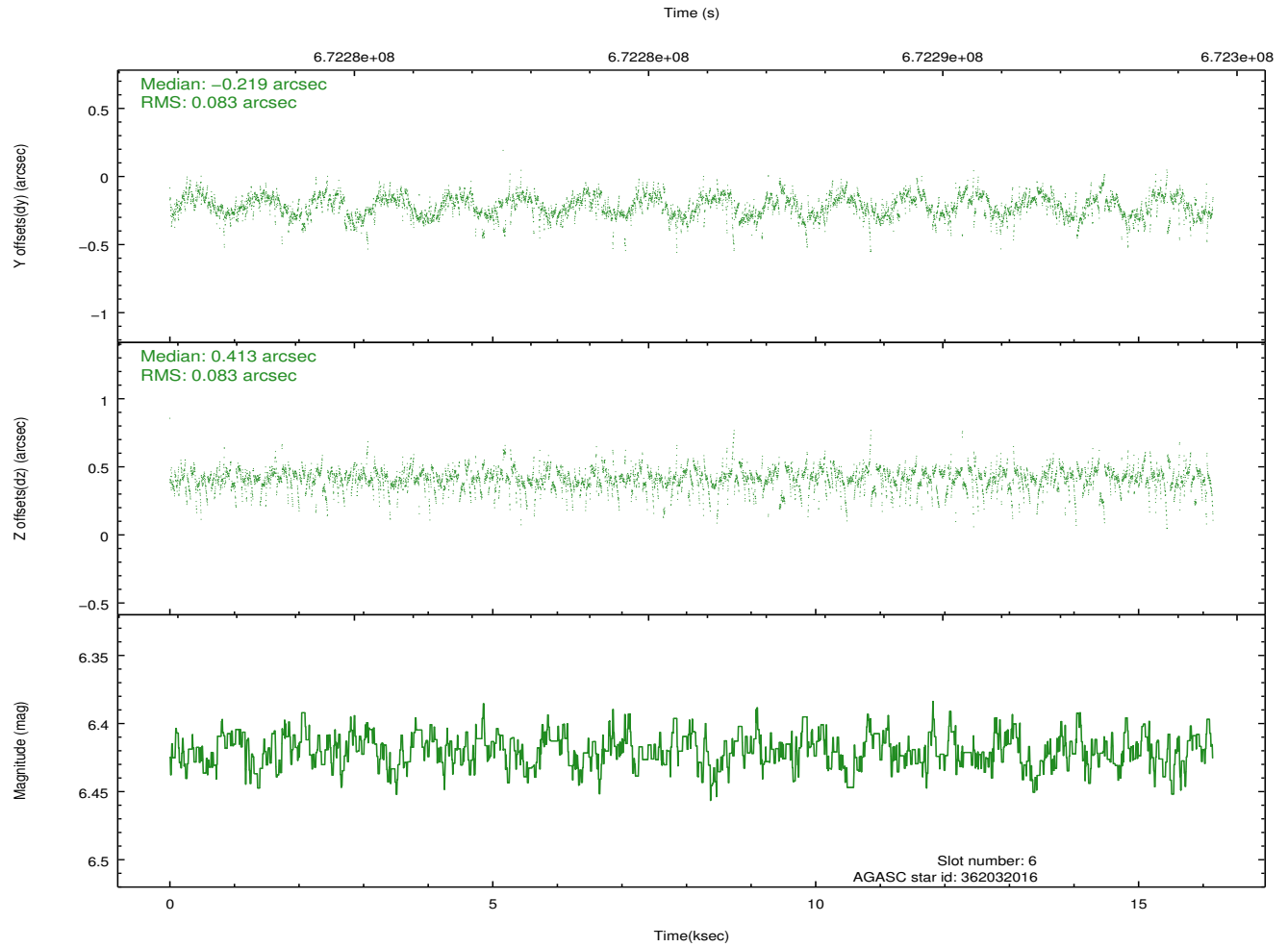
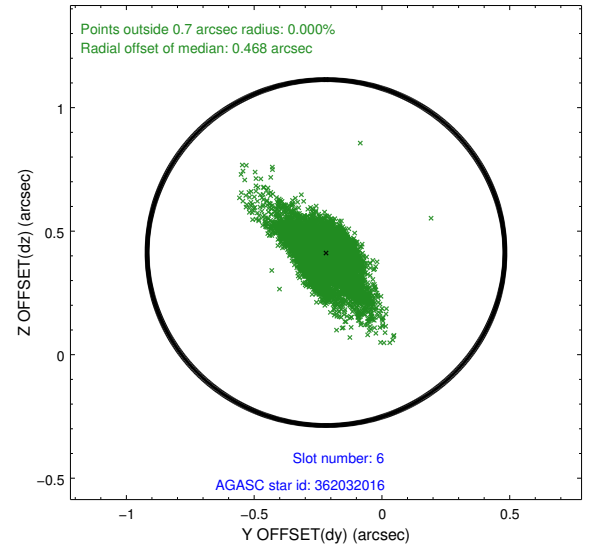
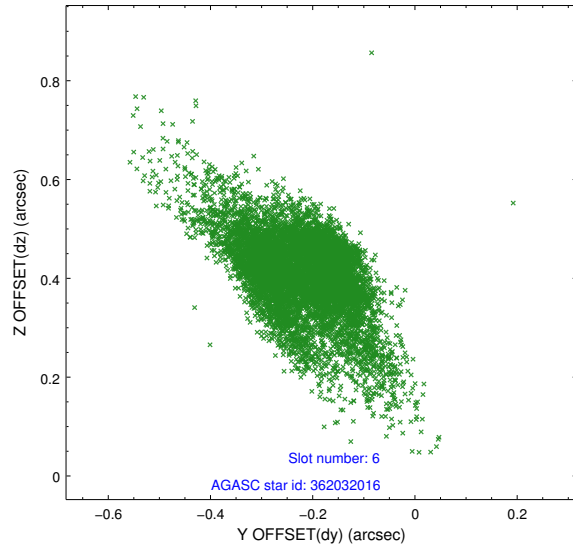
2.4.2 Slot 4



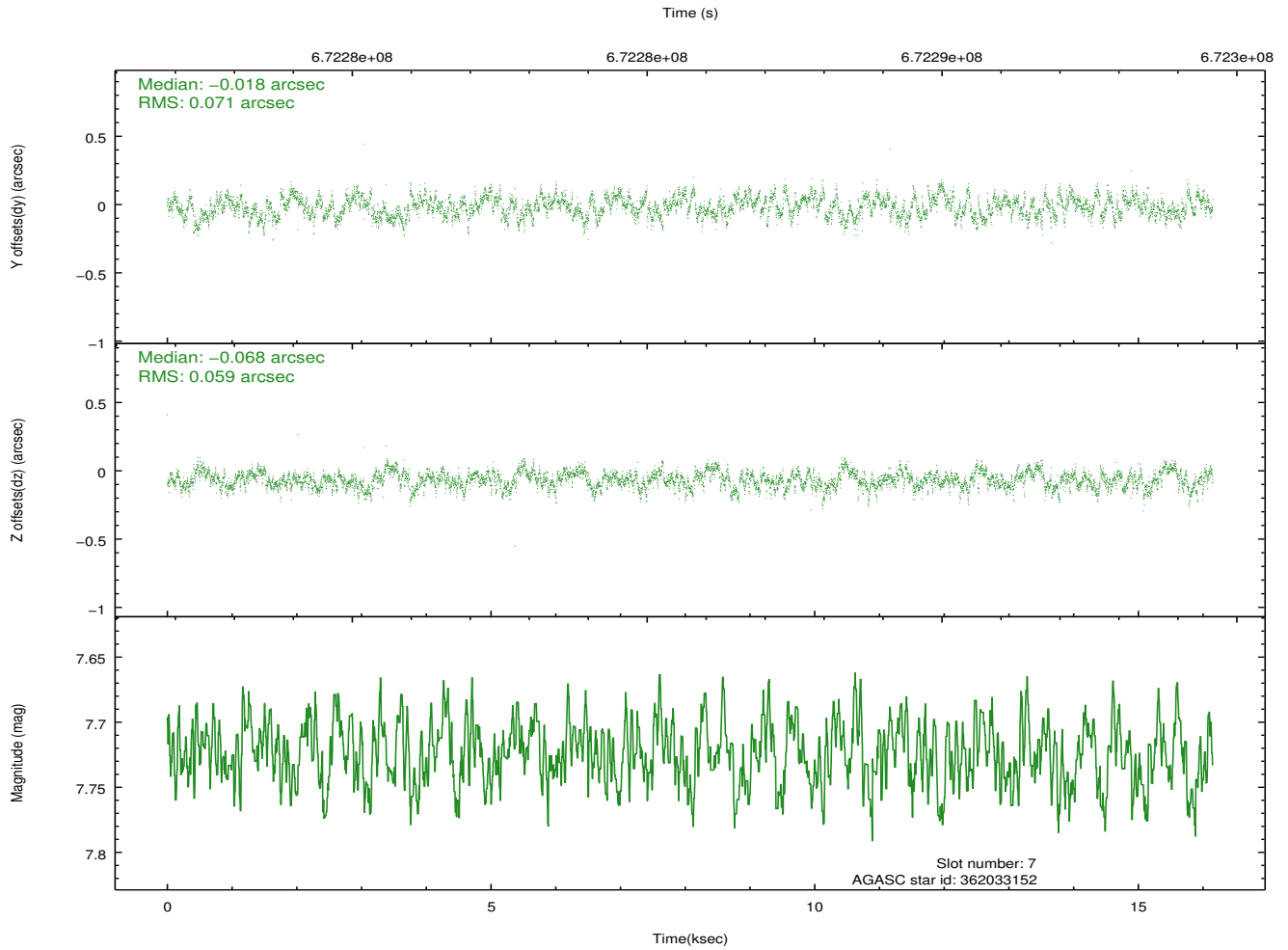
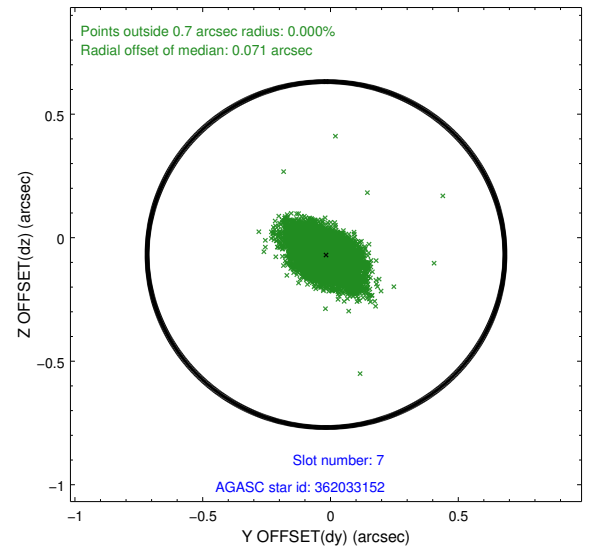
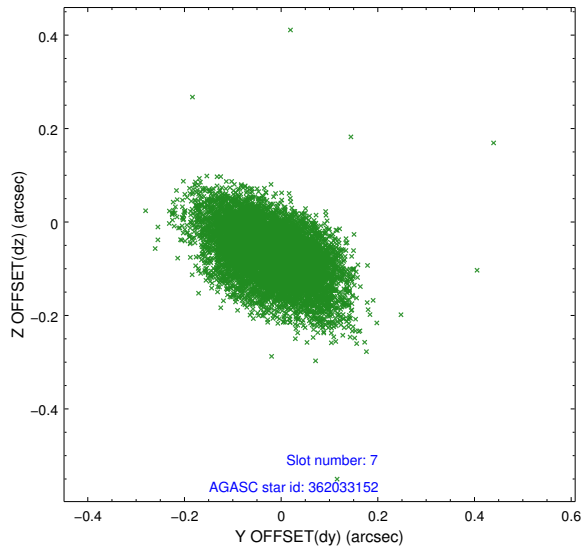
2.4.3 Slot 5



2.4.4 Slot 6

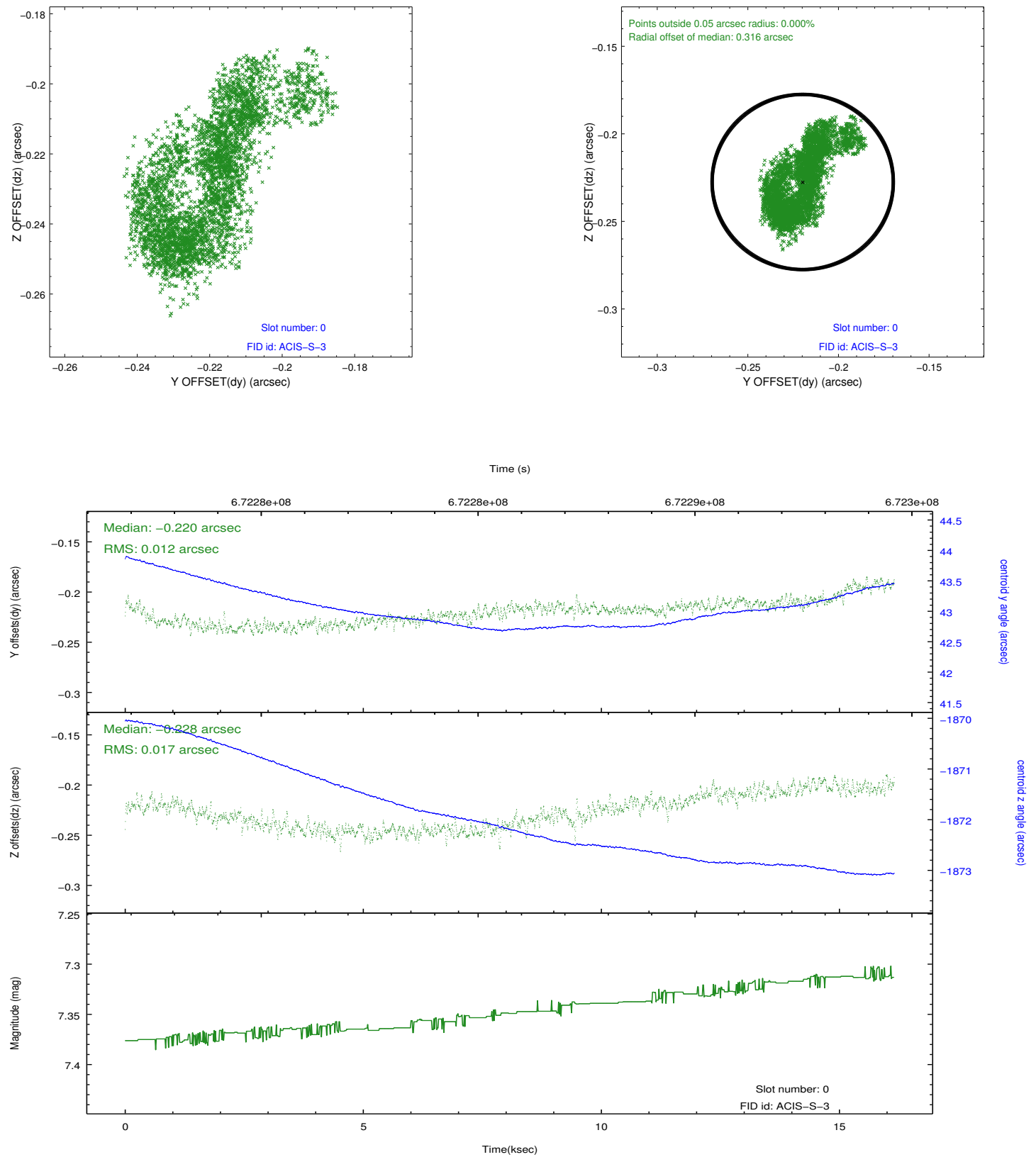


2.4.5 Slot 7

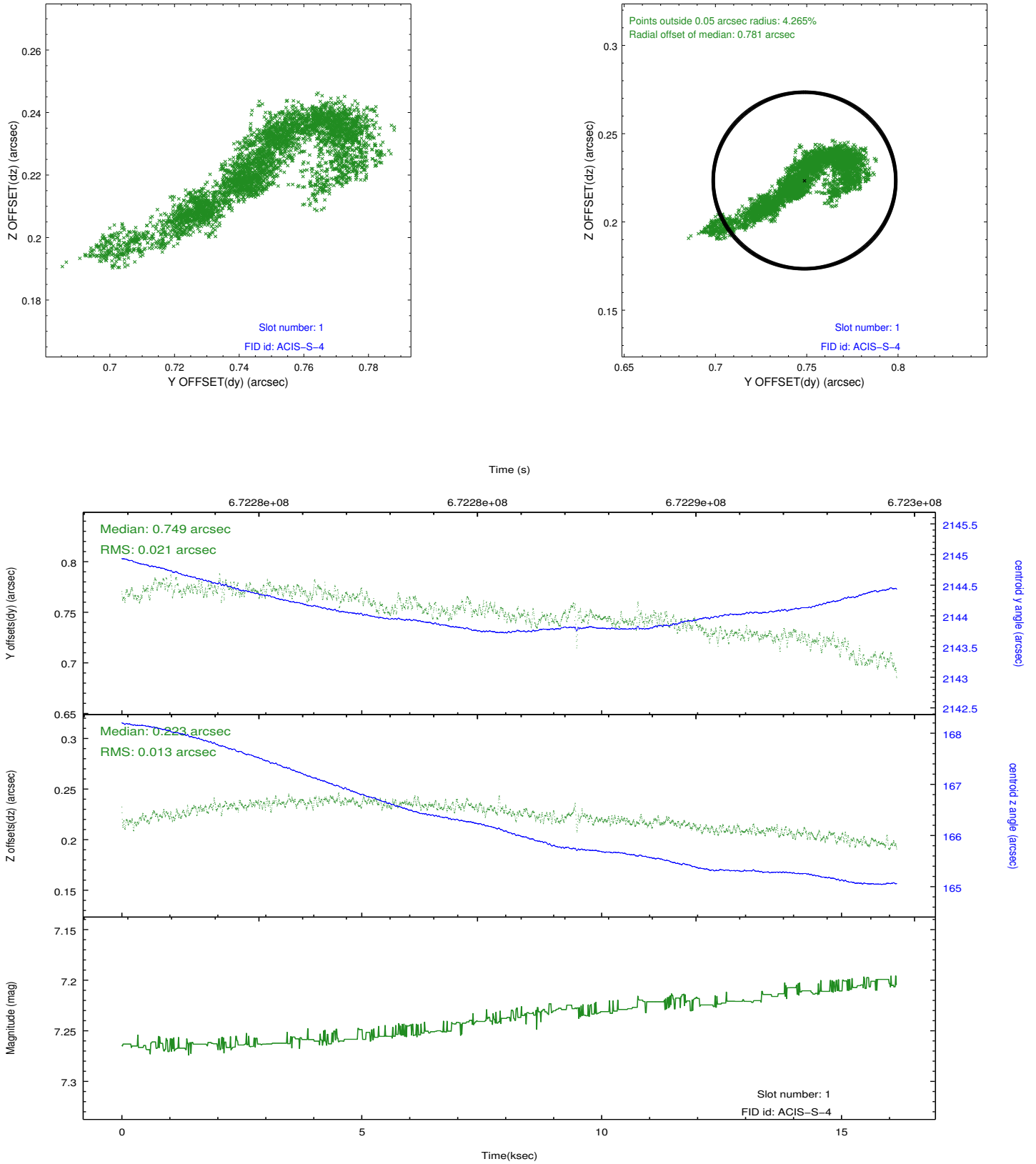


2.5 FID Slots

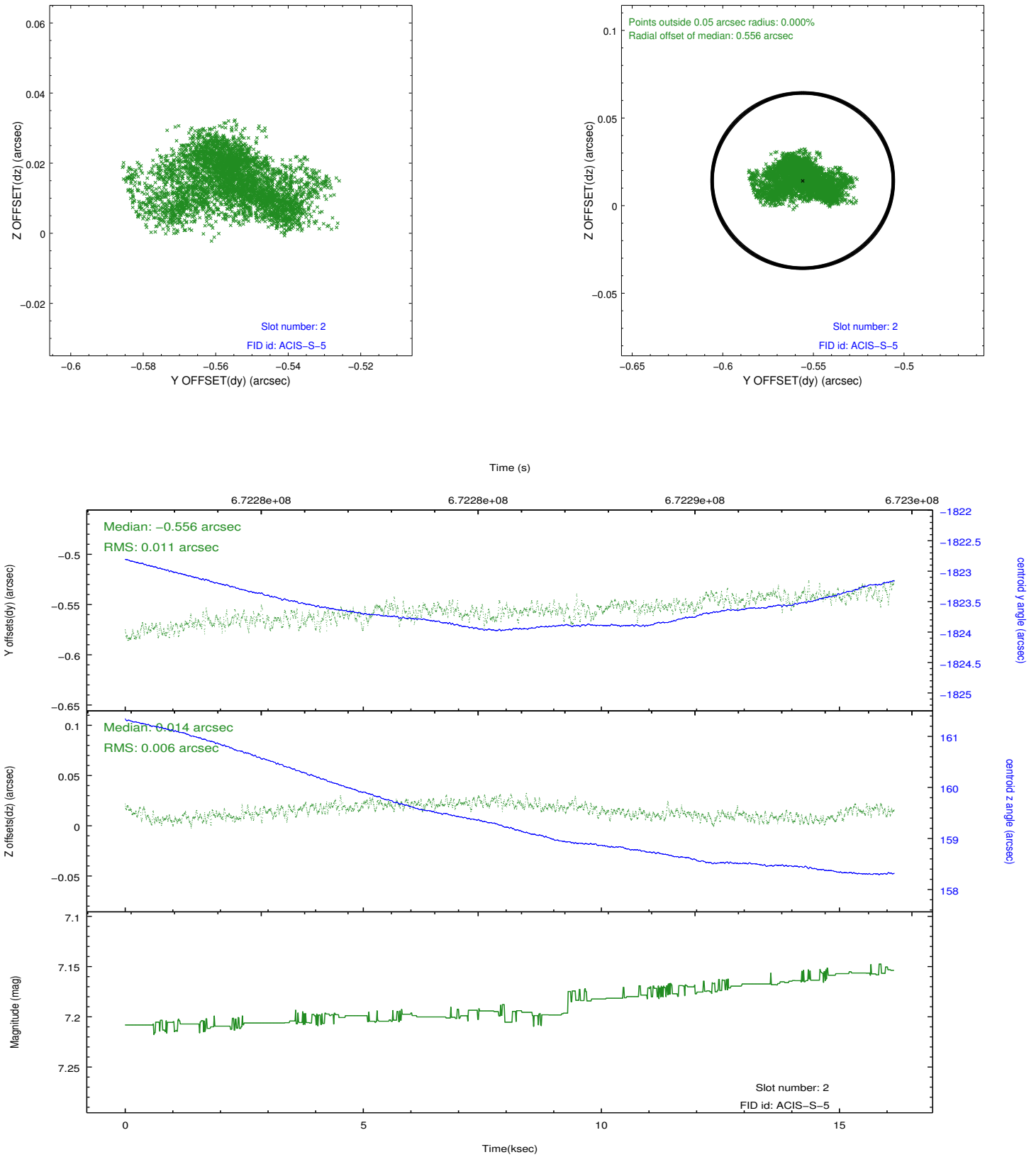
2.5.1 Slot 0



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)	2019.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.107600124002

A.2 Comments