

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 17747 - L2 Version 1
Chandra X-Ray Center

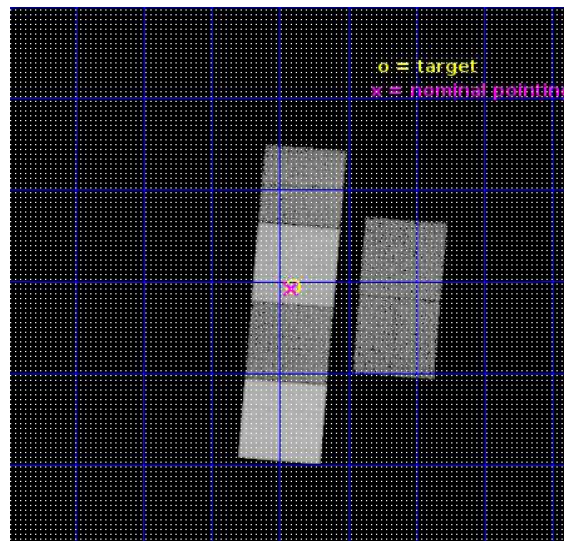
L2 Processing Date : Apr 26 2017

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1 Front

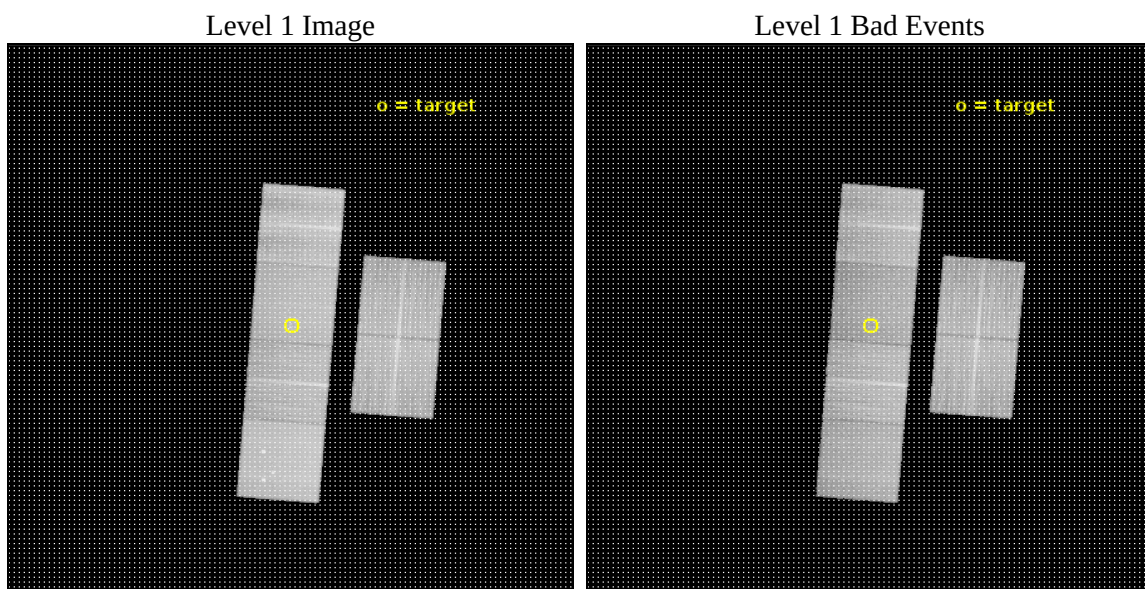
seq_num	201056	Sequence number
obs_id	17747	Observation id
title	Catching an FUor in the Act: Chandra ToO Observations of Extreme Accretion onto Young Stars	Proposal title
observer	David Pooley	Principal investigator
object	S255IR NIRS 3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	93.225	Observer's specified target RA [deg]
dec_targ	17.98975	Observer's specified target Dec [deg]
ra_nom	93.228867639875	Nominal RA [deg]
dec_nom	17.987359880648	Nominal Dec [deg]
roll_nom	274.65543052563	Nominal Roll [deg]
revision	1	Processing version of data
ontime	34931.200520515	Sum of GTIs [s]
livetime	34488.880626481	Livetime [s]
ontime2	34927.959530115	Sum of GTIs [s]
ontime3	34927.95944953	Sum of GTIs [s]
ontime5	34931.200520515	Sum of GTIs [s]
ontime6	34931.200520515	Sum of GTIs [s]
ontime7	34931.200520515	Sum of GTIs [s]
ontime8	34927.959540129	Sum of GTIs [s]
l2events	350407	Number of level 2 events



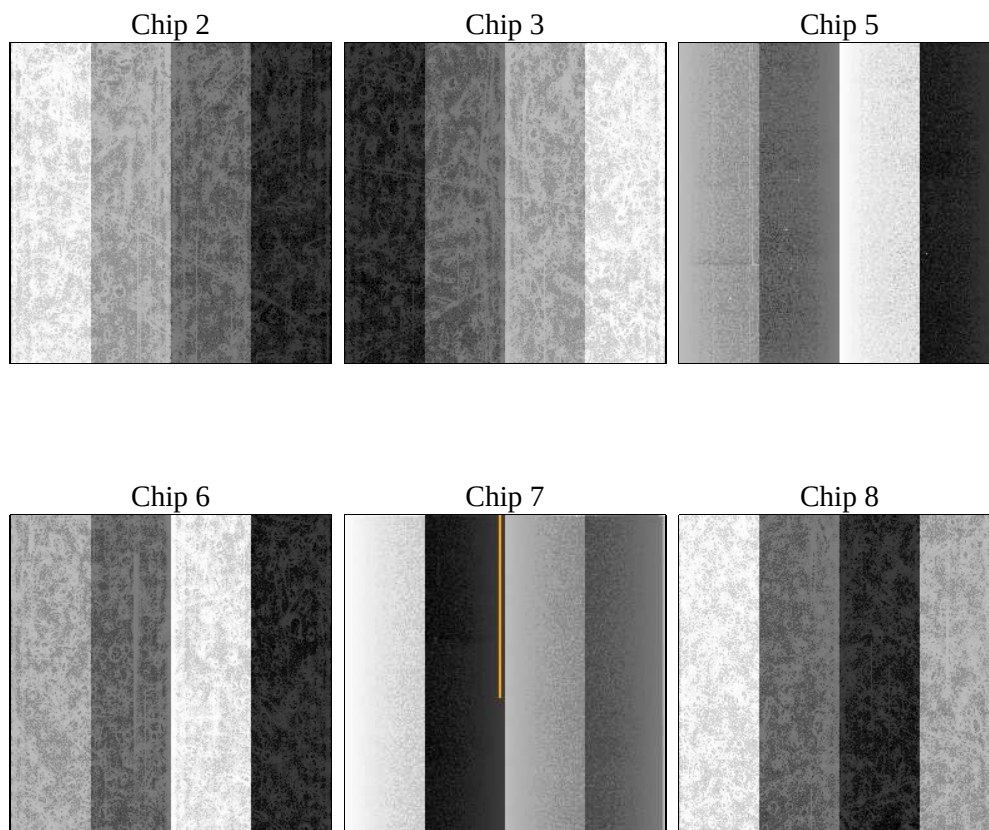
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	34984.921000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	34931.200520515	Sum of GTIs [s]
caldsver	4.7.3	 	ontime2	34927.959530115	Sum of GTIs [s]
date	2017-04-26T13:05:36	Date and time of file creation	ontime3	34927.95944953	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	34931.200520515	Sum of GTIs [s]
			ontime6	34931.200520515	Sum of GTIs [s]
			ontime7	34931.200520515	Sum of GTIs [s]
			ontime8	34927.959540129	Sum of GTIs [s]
			l1events	1507524	Number of level 1 events

2.1.4 Events

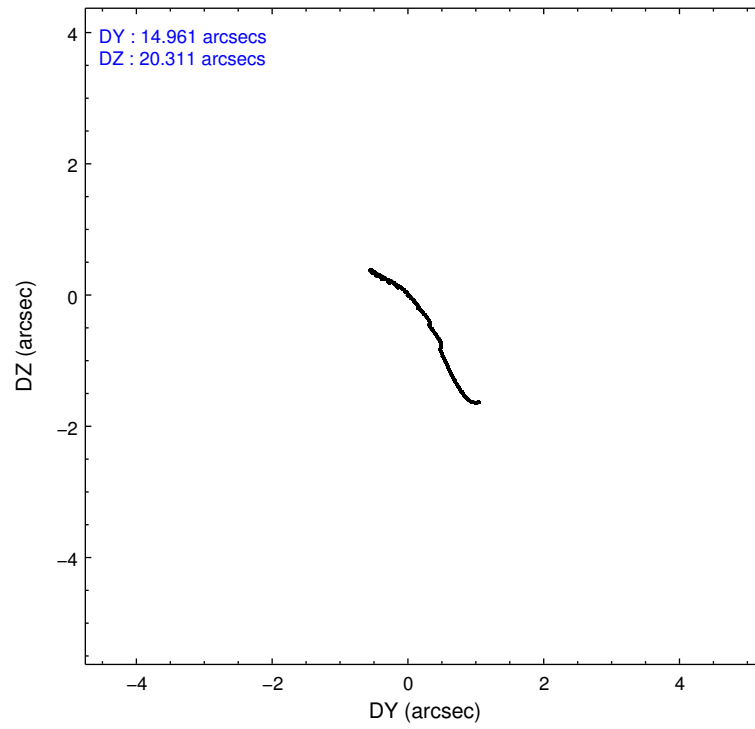
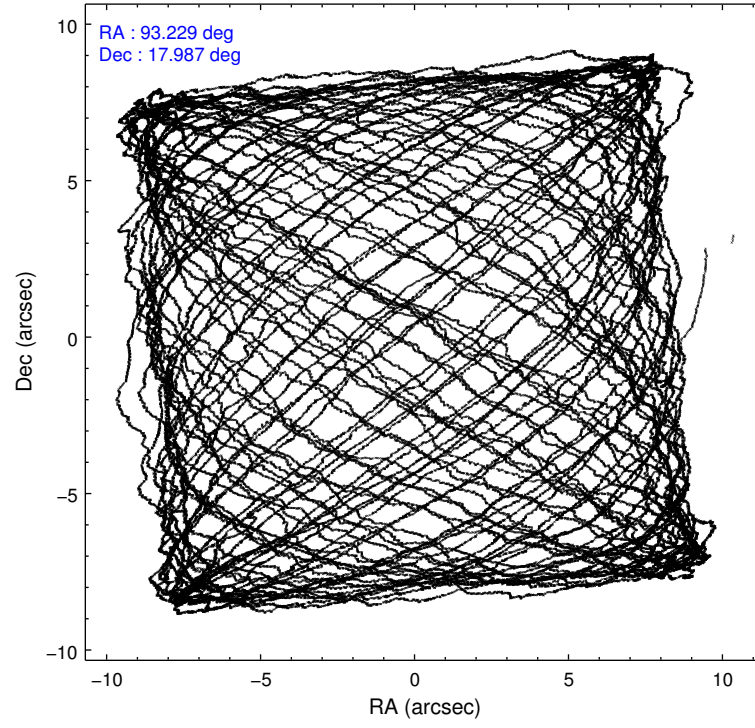
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	231908	208323	316106	227857	243987	279343	grade 0 events	8275	7993	13349	8595	11265	22445
rejected events	208925	186476	154102	203036	127166	199531		3%	3%	4%	3%	4%	8%
rejected %	90%	89%	48%	89%	52%	71%	grade 1 events	158	108	953	113	400	214
								0%	0%	0%	0%	0%	0%
							grade 2 events	5905	4767	51062	5892	26063	19269
								2%	2%	16%	2%	10%	6%
							grade 3 events	2222	2323	5507	2417	9637	8581
								0%	1%	1%	1%	3%	3%
							grade 4 events	2281	2294	5344	2353	9561	7993
								0%	1%	1%	1%	3%	2%
							grade 5 events	7147	8780	22660	8743	24235	13983
								3%	4%	7%	3%	9%	5%
							grade 6 events	4313	4477	86764	5566	60322	21528
								1%	2%	27%	2%	24%	7%
							grade 7 events	201607	177581	130467	194178	102504	185330
								86%	85%	41%	85%	42%	66%

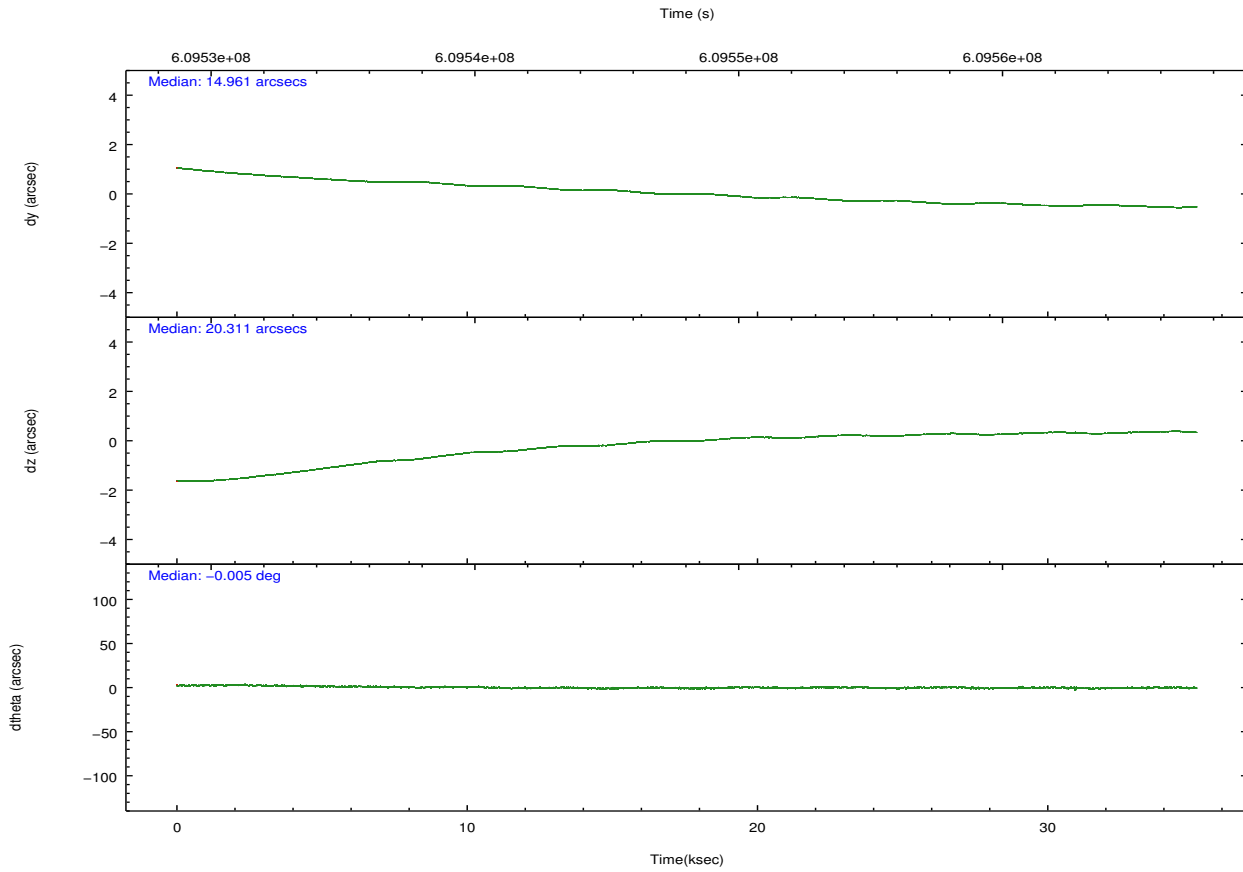
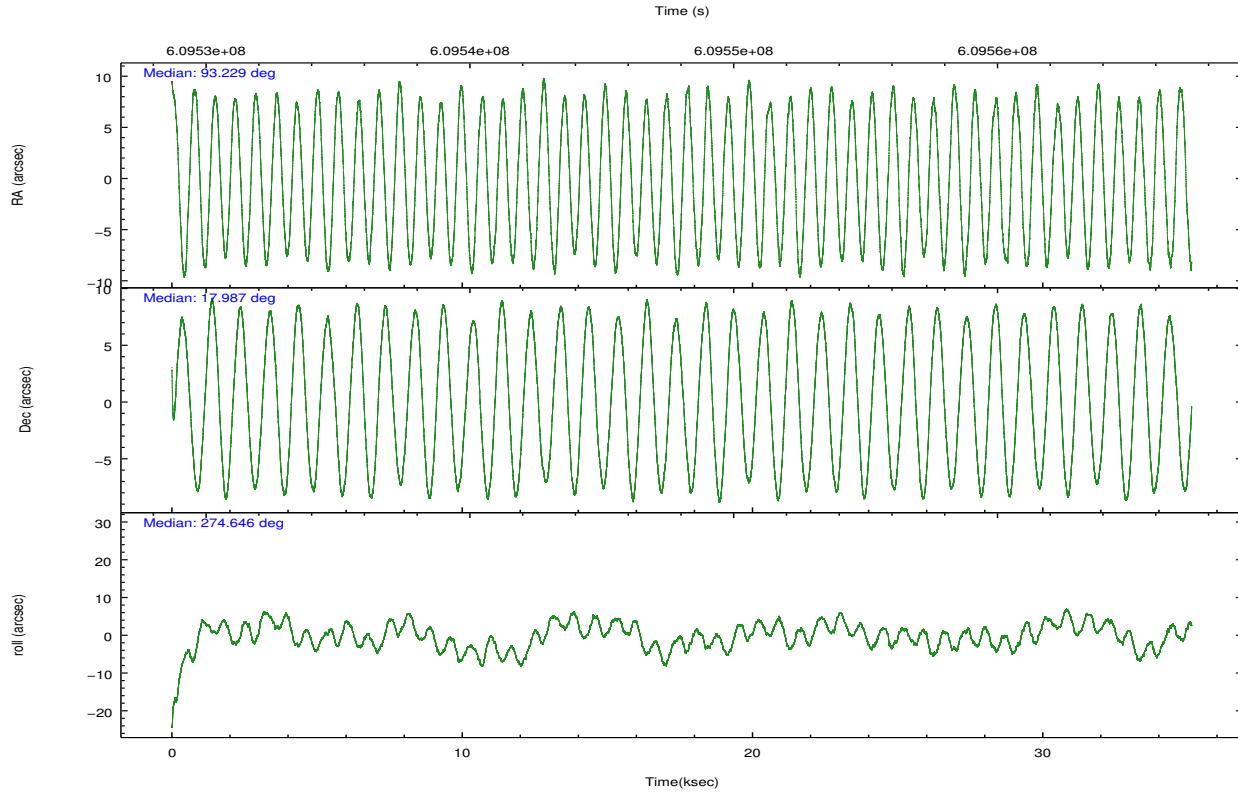
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	93.212138	93.22886763987546
[deg] Pointing Dec	18.009725	17.987359880648
[deg] Pointing Roll	274.503979	274.6554305256304
[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)	609530592.184000	609529319.13816
Observation start date	2017-04-25T18:02:03	2017-04-25T17:41:59
[s] Observation end time (MET)	609565577.184000	609565807.0902801
Observation end date	2017-04-26T03:45:08	2017-04-26T03:50:07
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	O3	Y
CCD S2 on	O5	Y
CCD S3 on	Y	Y
CCD S4 on	O4	Y
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	3.2

2.3 Aspect



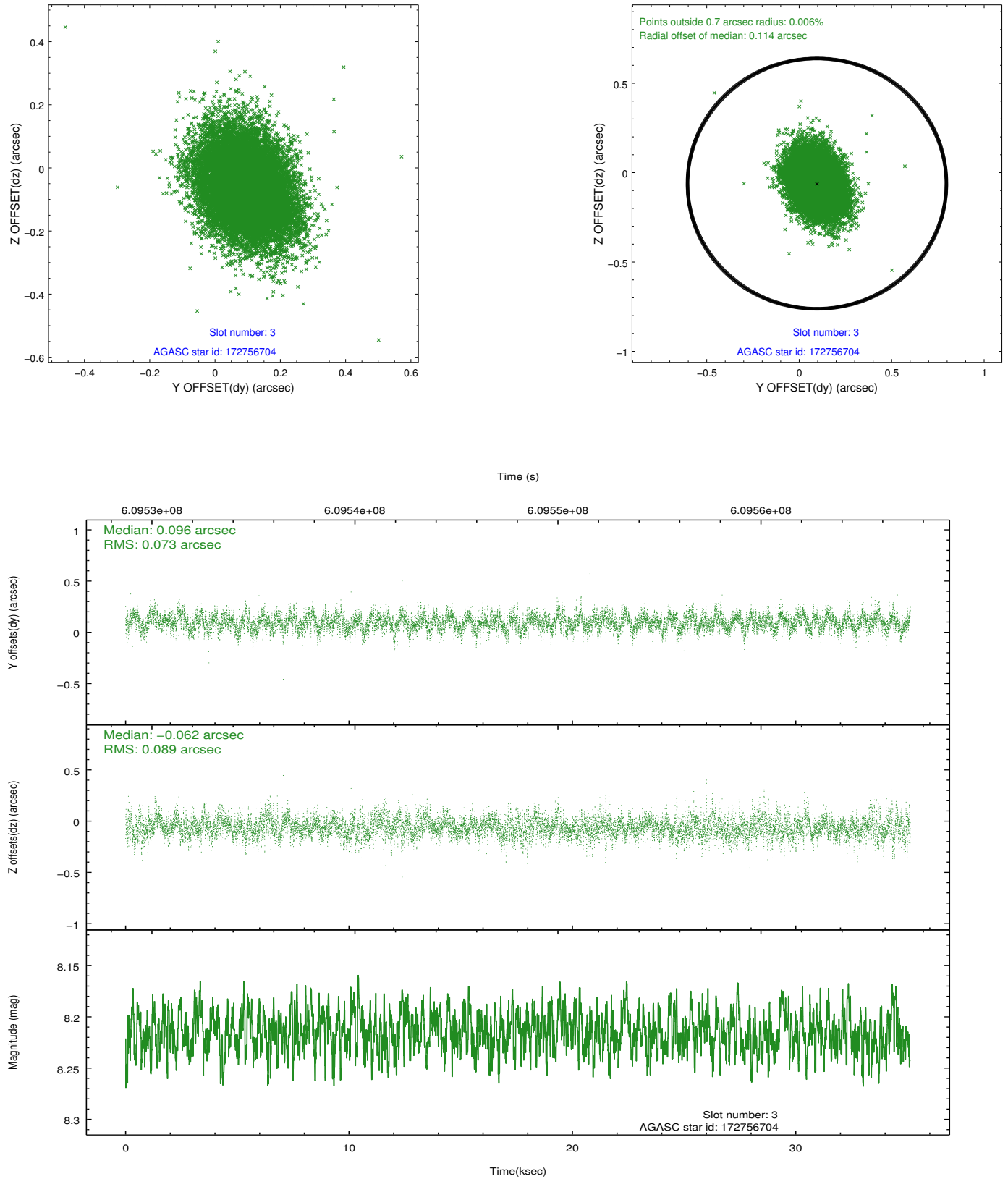


Slot Statistics

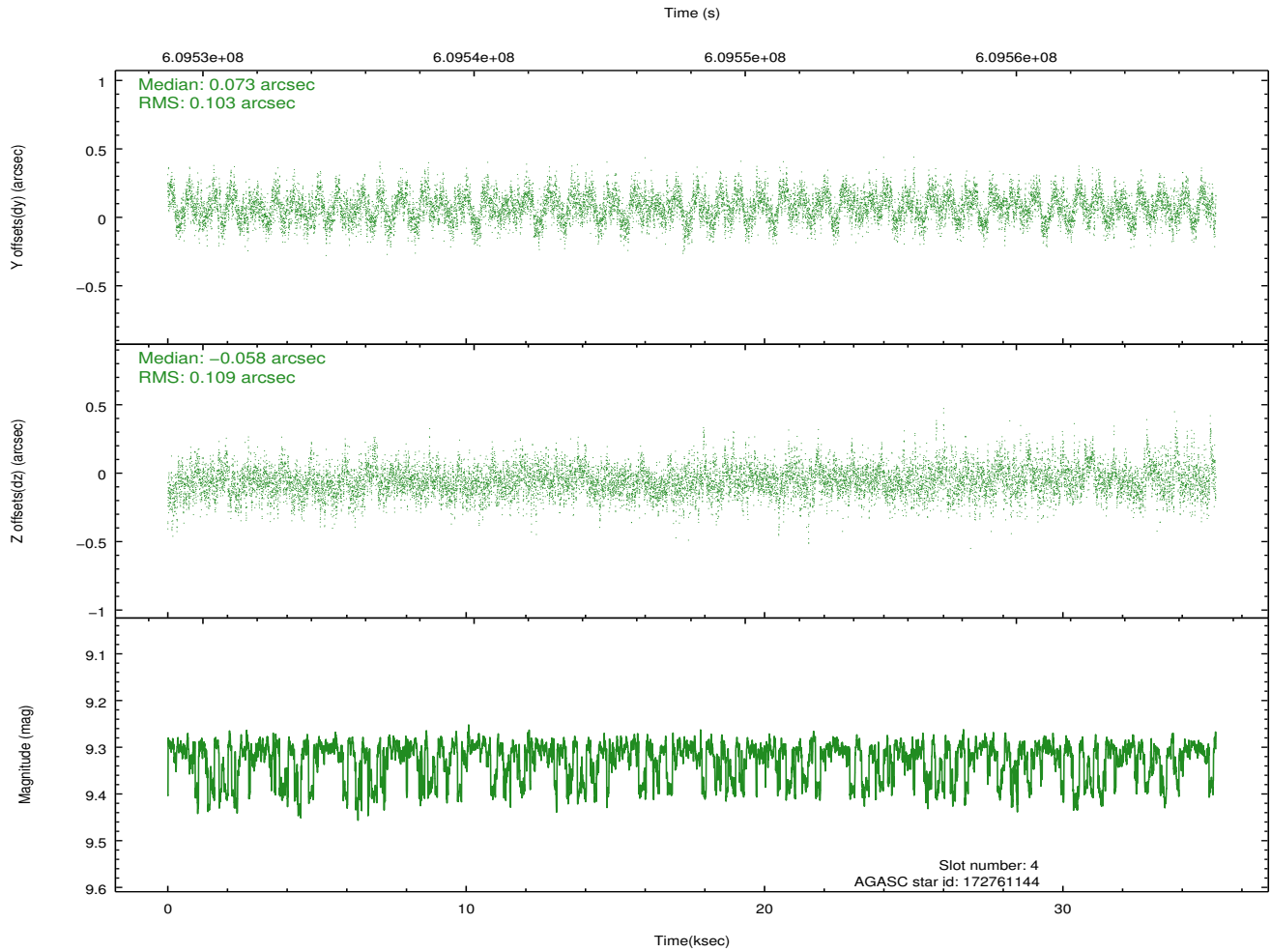
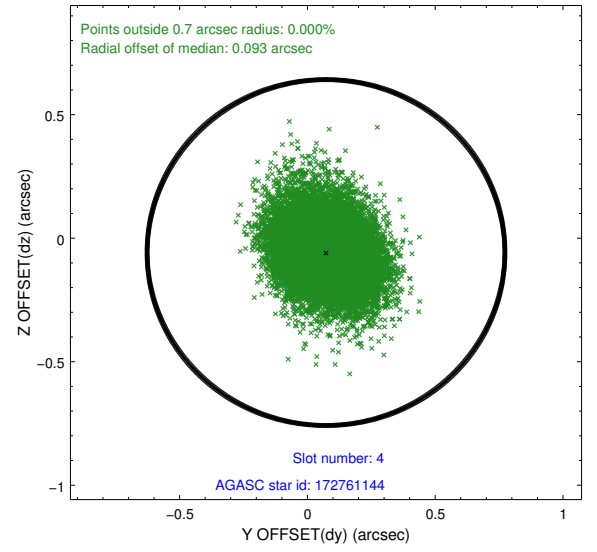
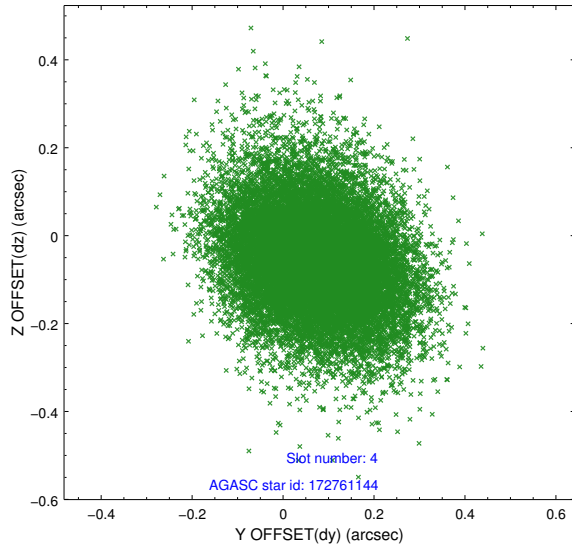
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.05	8569	-0.227	-0.088	0.023	0.044	0.000000	0.000000	-768.18	-1741.63
1	FID		ACIS-S-4	7.15	8569	0.499	0.138	0.020	0.035	0.000000	0.000000	2145.76	167.09
2	FID		ACIS-S-5	7.15	8567	-0.295	-0.038	0.013	0.048	0.000000	0.000000	-1821.08	160.56
3	GUIDE	used	172756704	8.22	17125	0.096	-0.062	0.119	0.203	93.028352	17.756938	858.61	-699.17
4	GUIDE	used	172761144	9.32	17113	0.073	-0.058	0.158	0.260	93.119352	17.451308	1979.78	-475.23
5	GUIDE	used	172761328	8.76	17126	0.097	-0.050	0.158	0.263	92.531429	17.715467	869.52	-2409.69
6	GUIDE	used	172753984	7.07	17137	-0.191	0.190	0.119	0.216	93.388552	18.680344	-2359.39	789.44
7	GUIDE	used	172759712	8.42	17121	-0.077	-0.025	0.122	0.216	93.732676	18.347683	-1075.89	1869.04

2.4 Star Slots

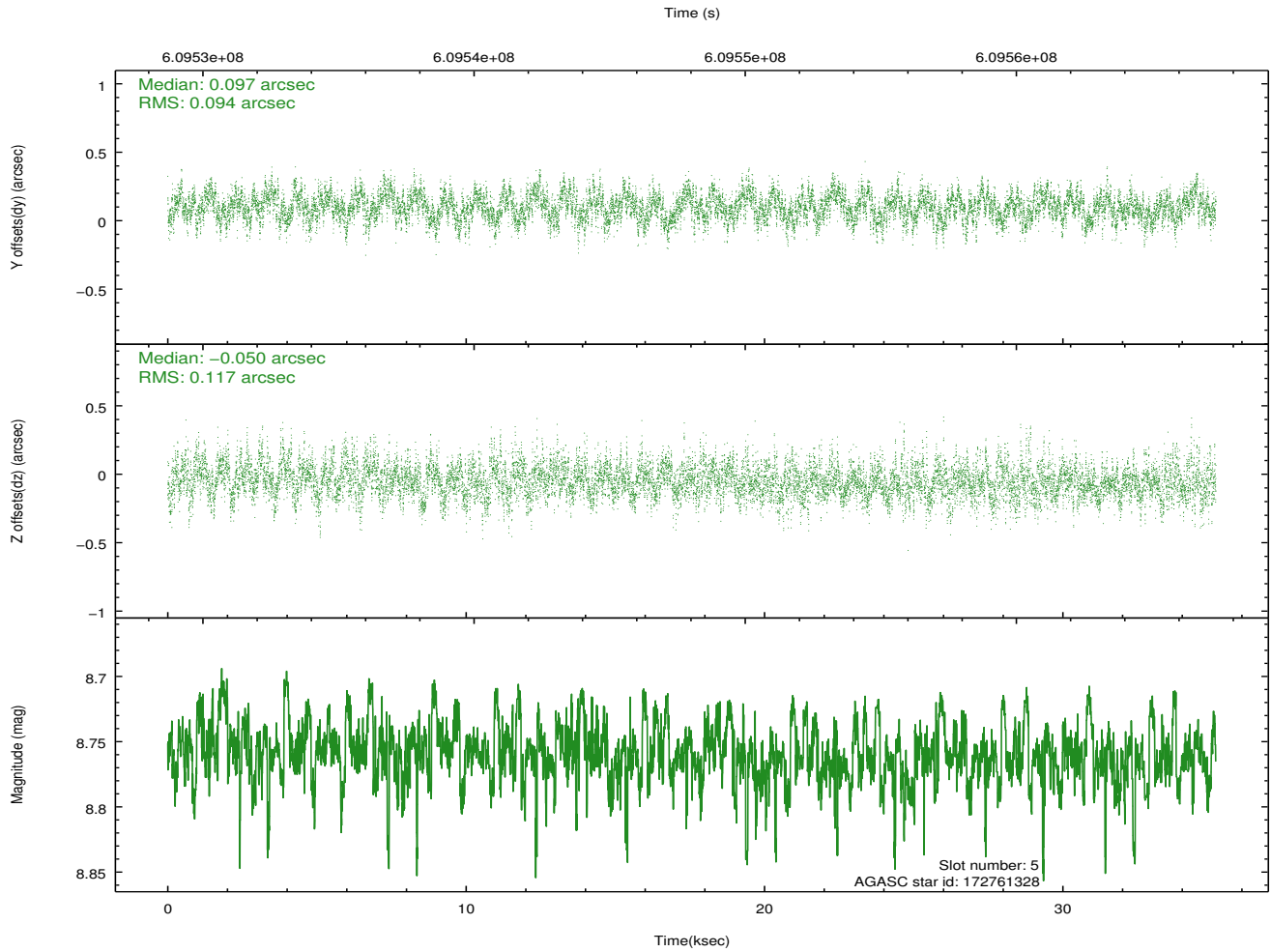
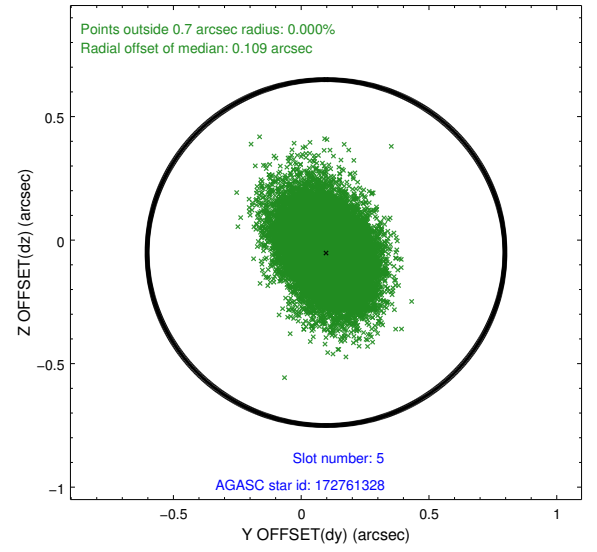
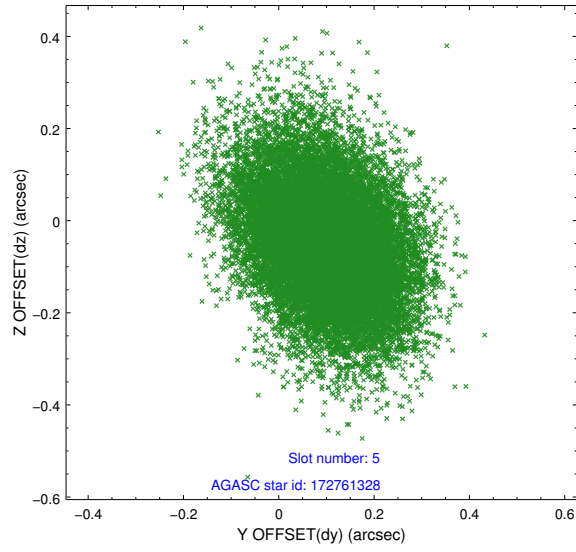
2.4.1 Slot 3



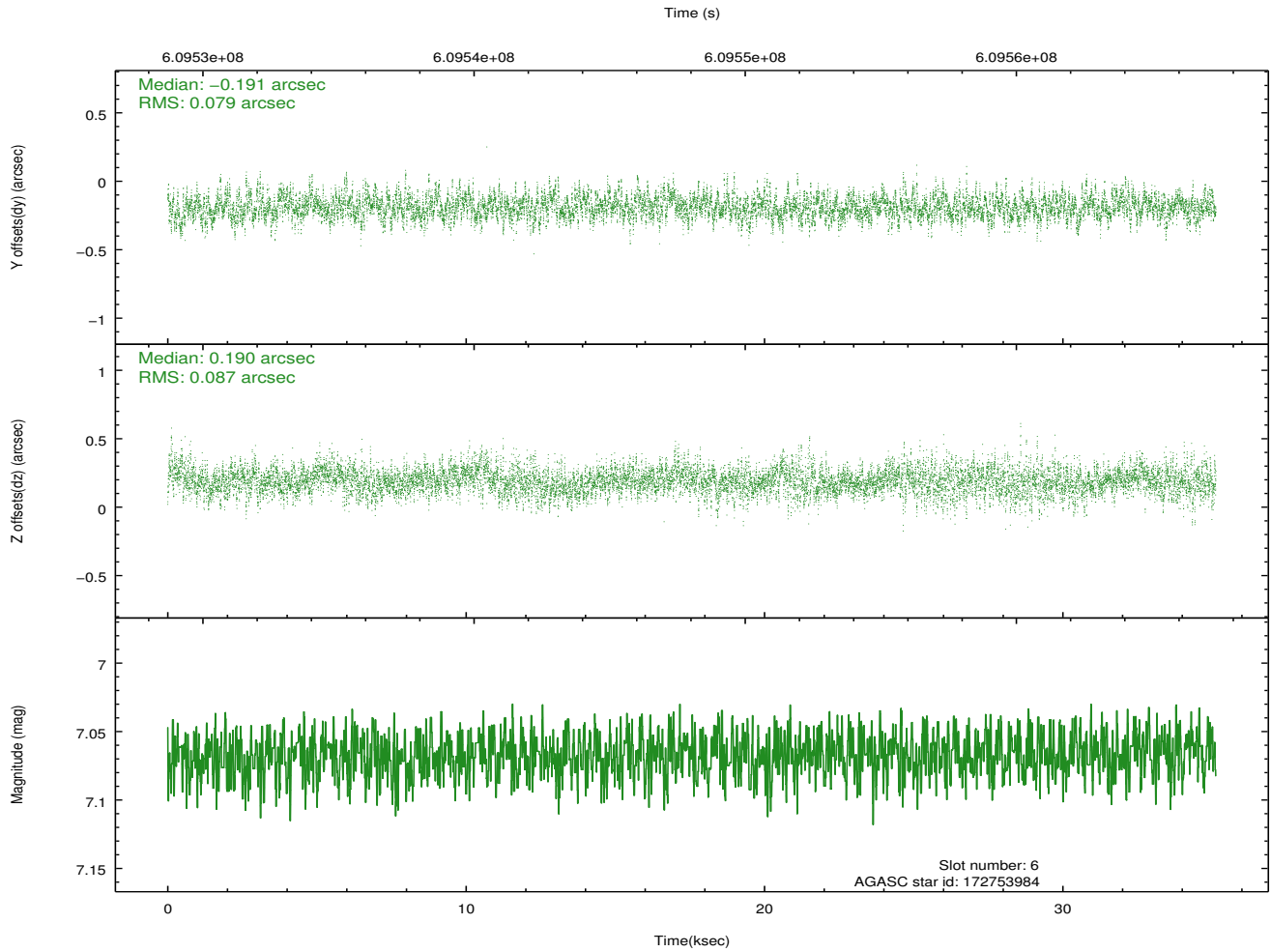
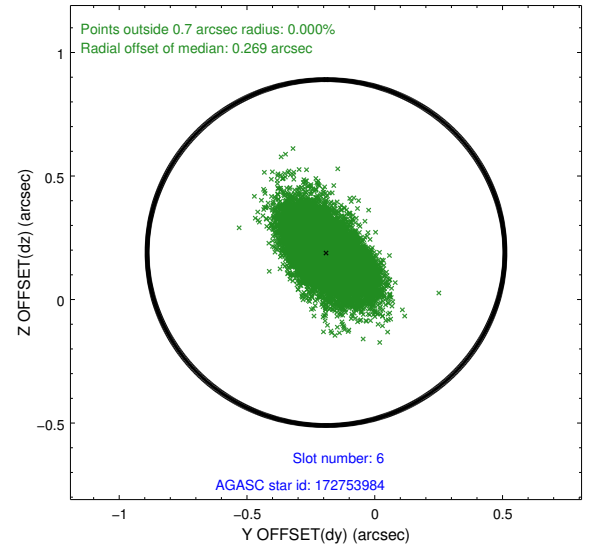
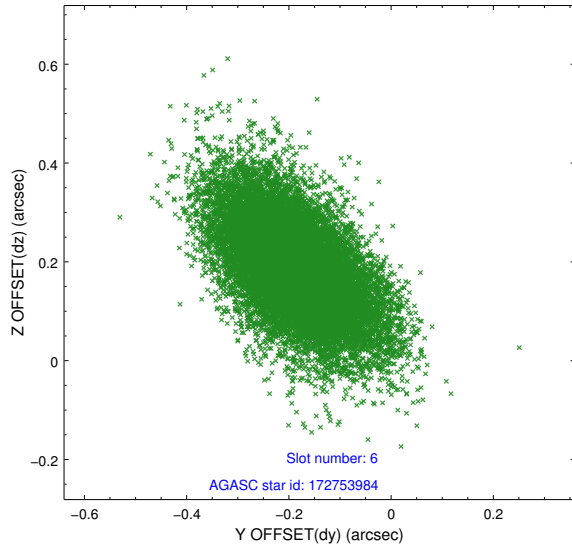
2.4.2 Slot 4



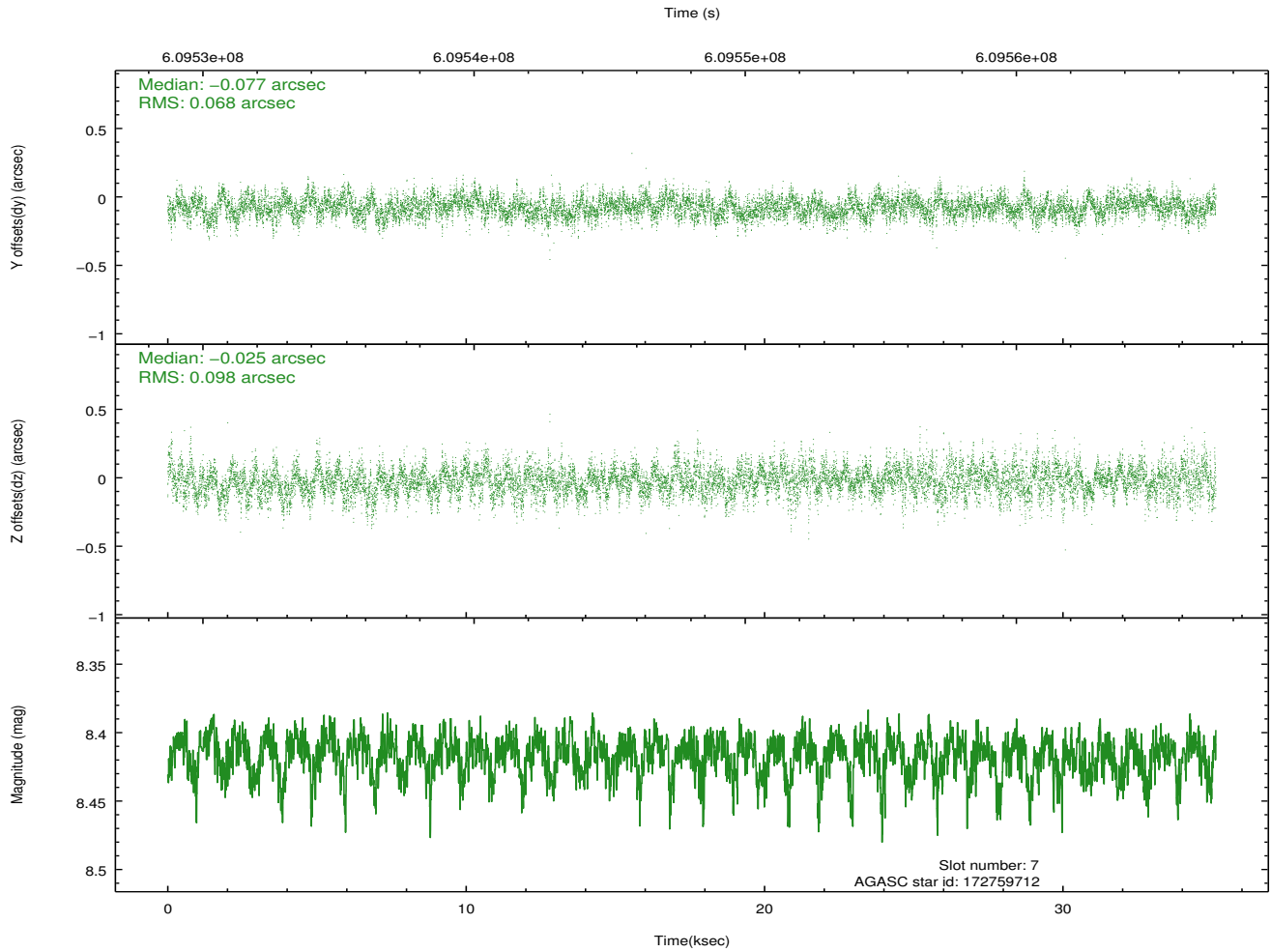
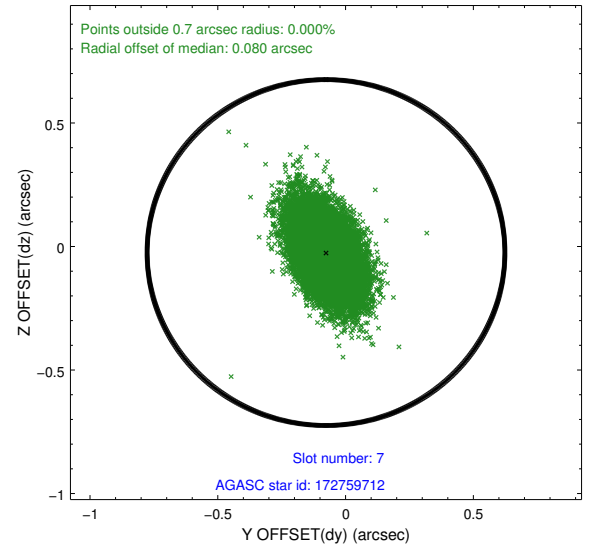
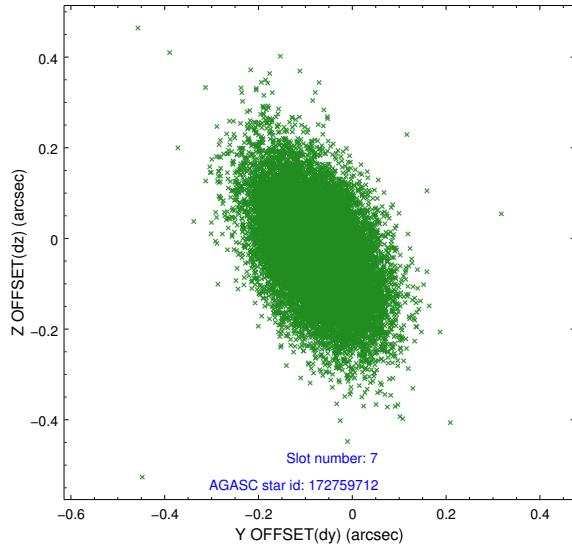
2.4.3 Slot 5



2.4.4 Slot 6

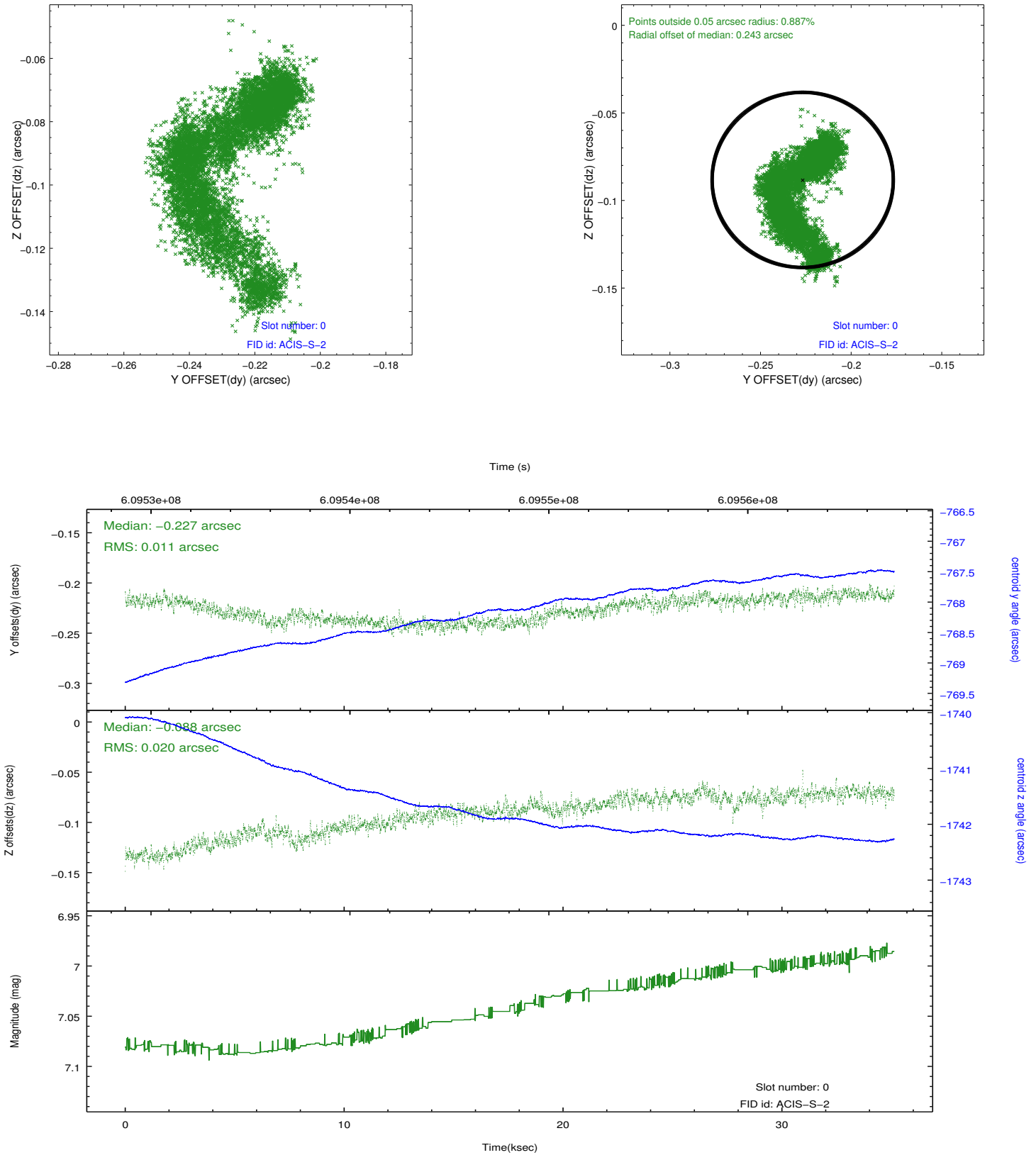


2.4.5 Slot 7

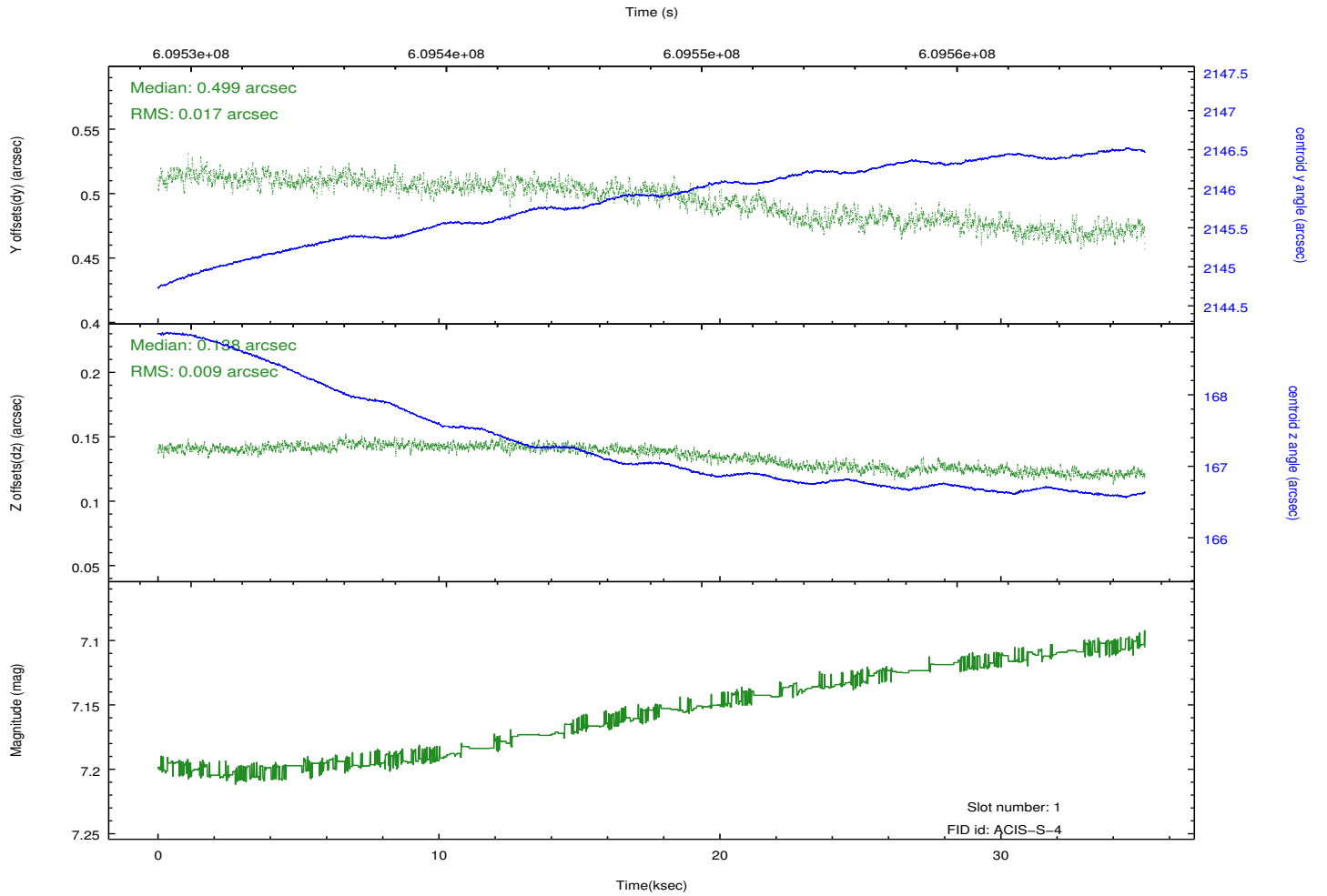
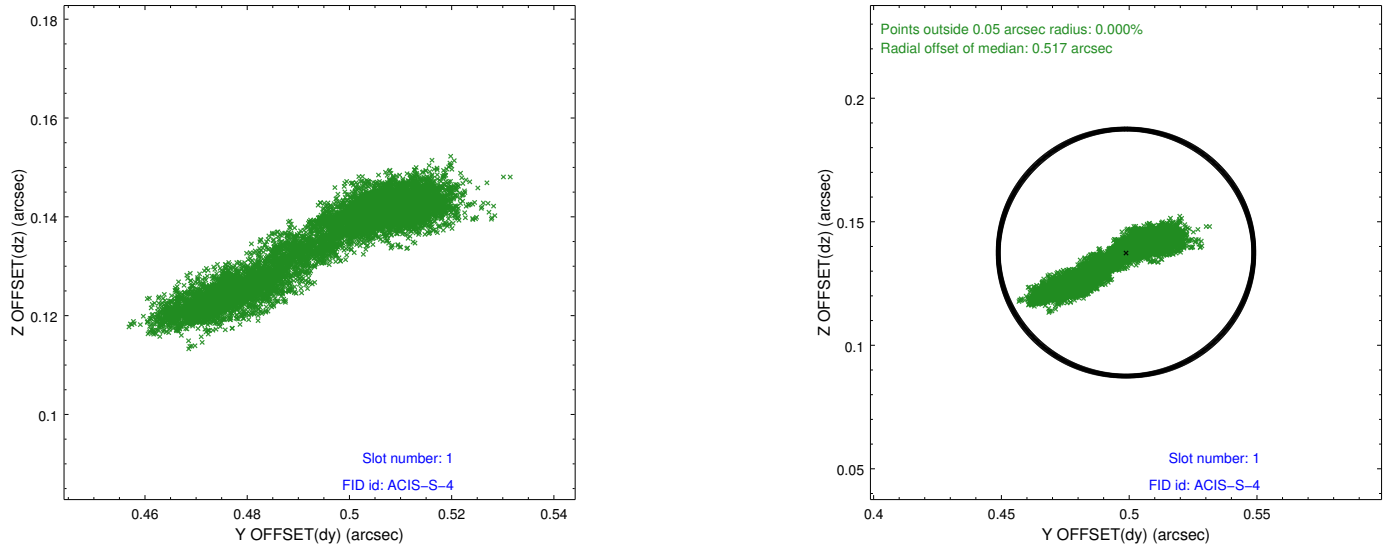


2.5 FID Slots

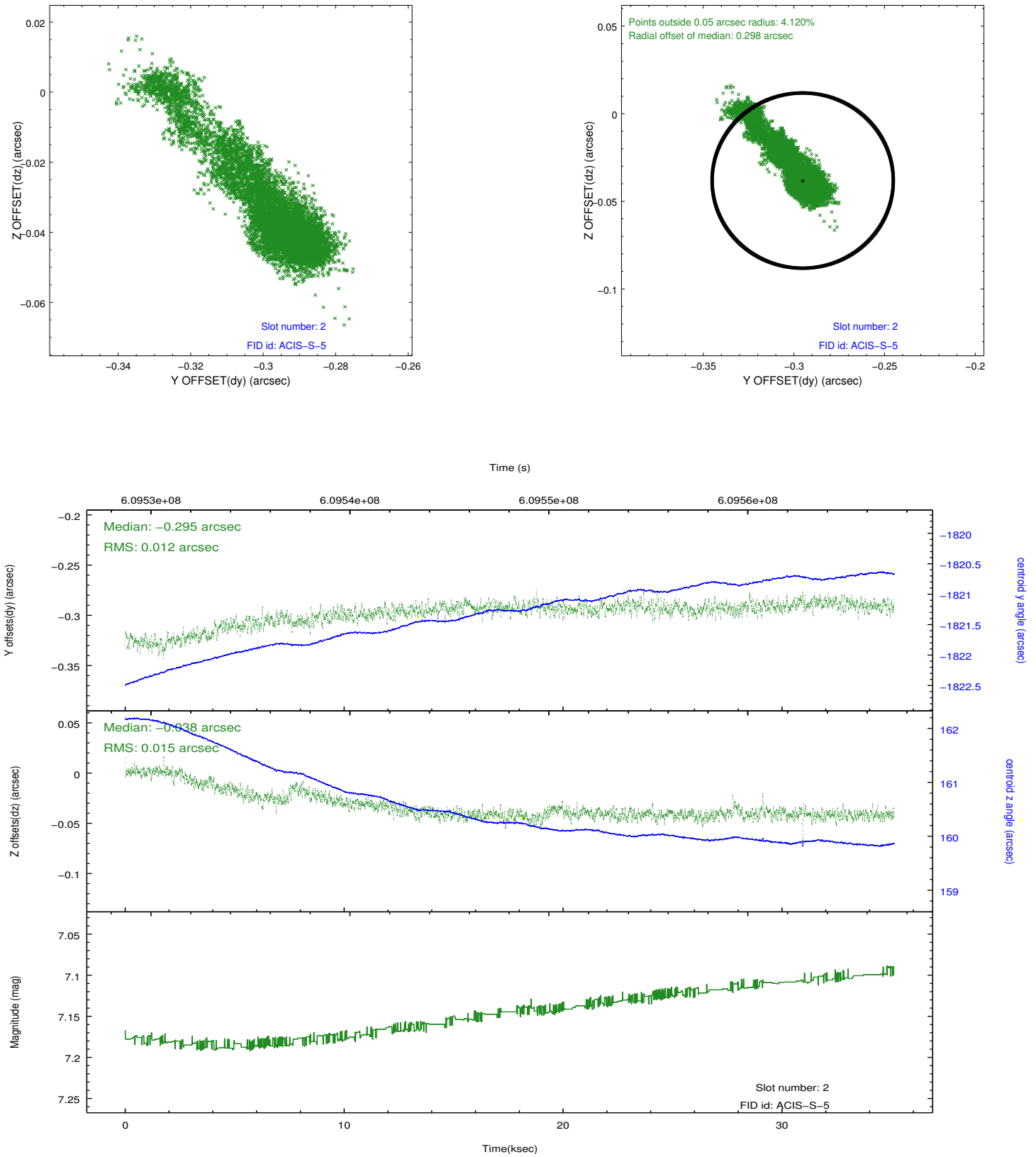
2.5.1 Slot 0



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)	2017.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	34.931200520515

A.2 Comments

Monitor constraint met.