

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12984 - L2 Version 2
Chandra X-Ray Center

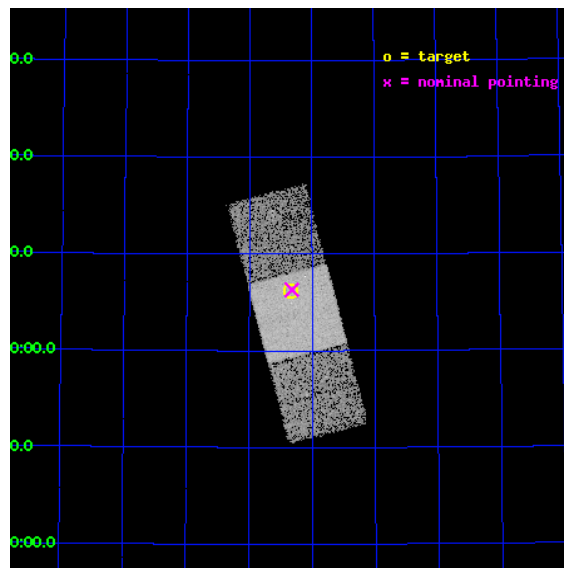
L2 Processing Date : Feb 26 2012

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1 Front

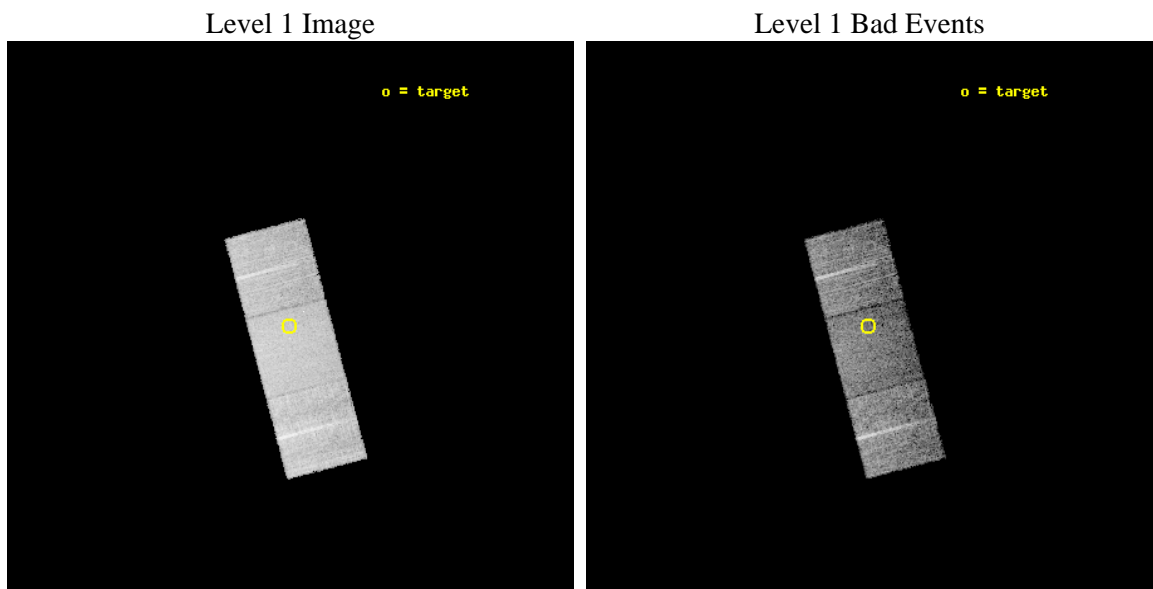
seq_num	600952	Sequence number
obs_id	12984	Observation id
title	Black-hole--galaxy co-evolution at the end of the Hubble sequence	
observer	Prof. Smita Mathur	Principal investigator
object	NGC 2805	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	140.085	Observer's specified target RA [deg]
dec_targ	64.102778	Observer's specified target Dec [deg]
ra_nom	140.08033203206	Nominal RA [deg]
dec_nom	64.105007718154	Nominal Dec [deg]
roll_nom	75.228540842174	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10058.536726654	Sum of GTIs [s]
livetime	9927.1145393328	Livetime [s]
ontime6	10058.49568665	Sum of GTIs [s]
ontime7	10058.536726654	Sum of GTIs [s]
ontime8	10058.454646647	Sum of GTIs [s]
l2events	48606	Number of level 2 events



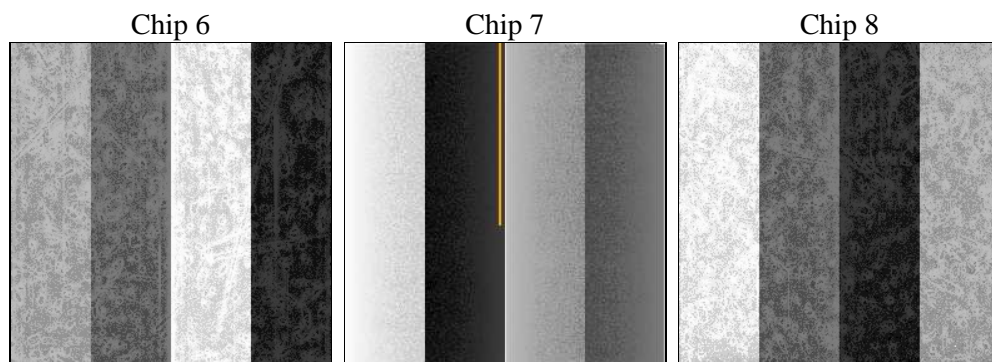
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	10058.536726654	Sum of GTIs [s]
caldsver	4.4.8	 	ontime6	10058.49568665	Sum of GTIs [s]
date	2012-02-26T04:40:25	Date and time of file creation	ontime7	10058.536726654	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	10058.454646647	Sum of GTIs [s]
			l1events	220717	Number of level 1 events

2.1.4 Events

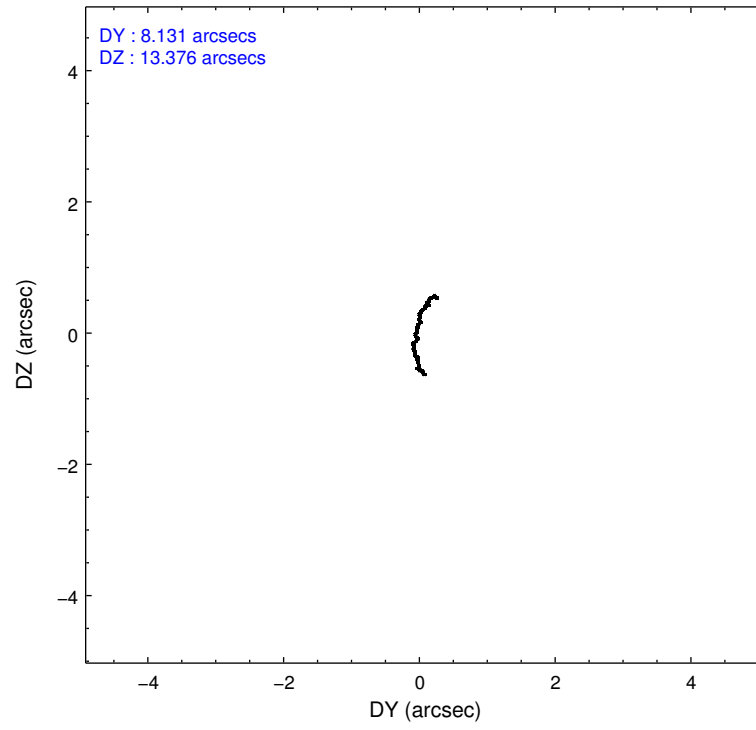
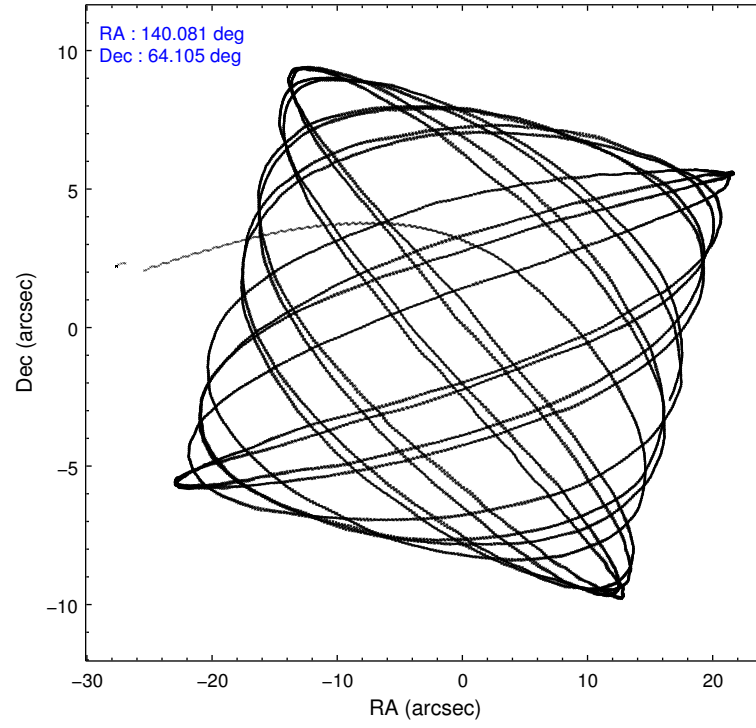
	ccd 6	ccd 7	ccd 8
level 1 events	60266	78934	81517
rejected events	53090	43538	59291
rejected %	88%	55%	72%

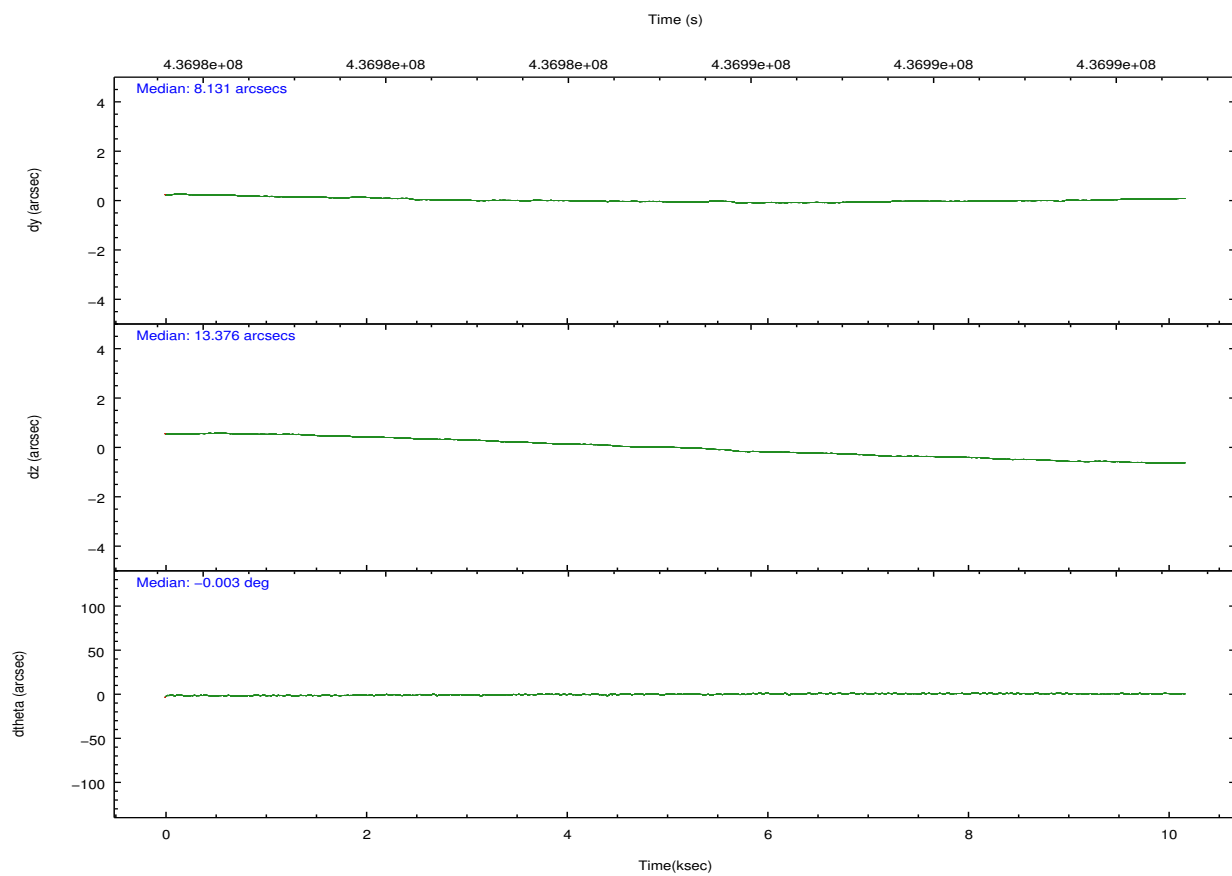
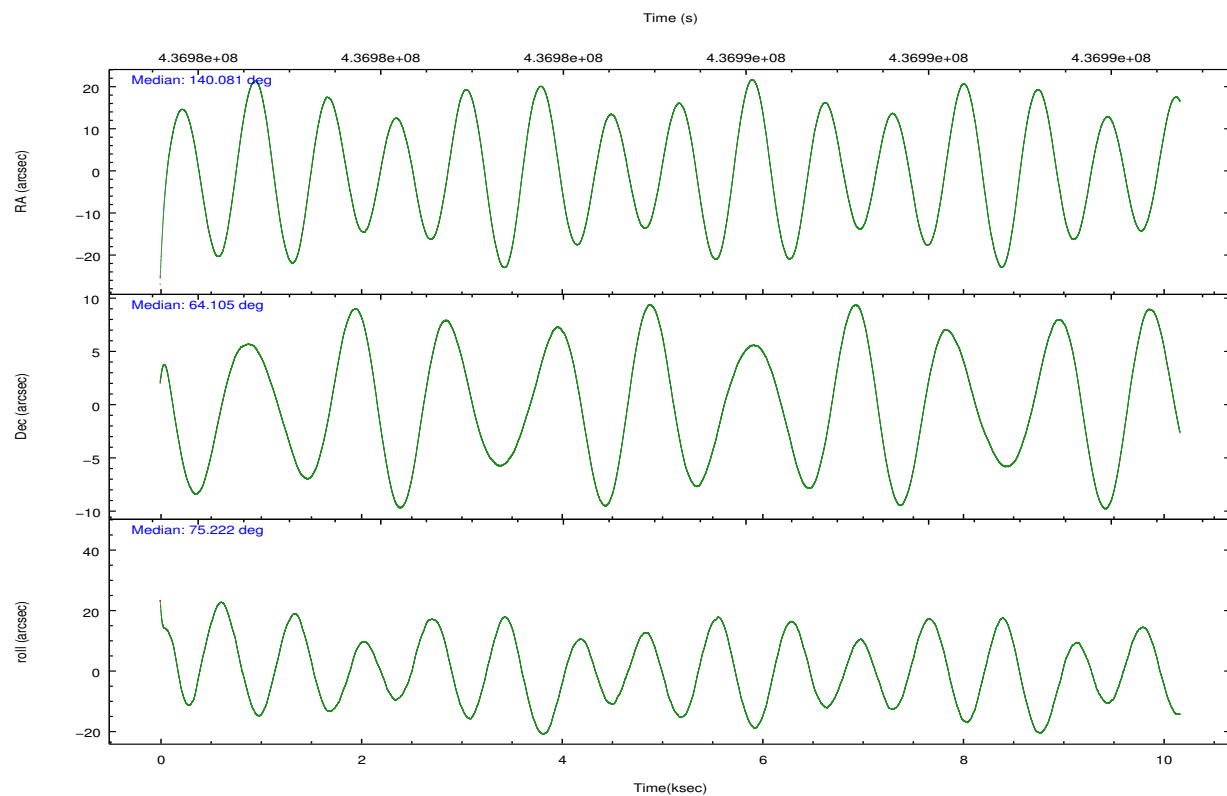
	ccd 6	ccd 7	ccd 8
grade 0 events	2427	3269	6671
	4%	4%	8%
grade 1 events	37	100	71
	0%	0%	0%
grade 2 events	1613	7187	5186
	2%	9%	6%
grade 3 events	775	3154	2220
	1%	3%	2%
grade 4 events	738	3051	2169
	1%	3%	2%
grade 5 events	2979	8271	4345
	4%	10%	5%
grade 6 events	1627	18751	5993
	2%	23%	7%
grade 7 events	50070	35151	54862
	83%	44%	67%

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	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	140.097548	140.0803320320633	CCD I2 on	N	N
[deg] Pointing Dec	64.078714	64.10500771815407	CCD I3 on	N	N
[deg] Pointing Roll	75.056448	75.22854084217448	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O2	Y
[s] Observation start time (MET)	436980254.184000	436979295.95603	CCD S5 on	N	N
Observation start date	2011-11-06T15:23:08	2011-11-06T15:08:15	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	436990254.184000	436990993.76915	On-chip summing requested	N	N
Observation end date	2011-11-06T18:09:48	2011-11-06T18:23:13	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



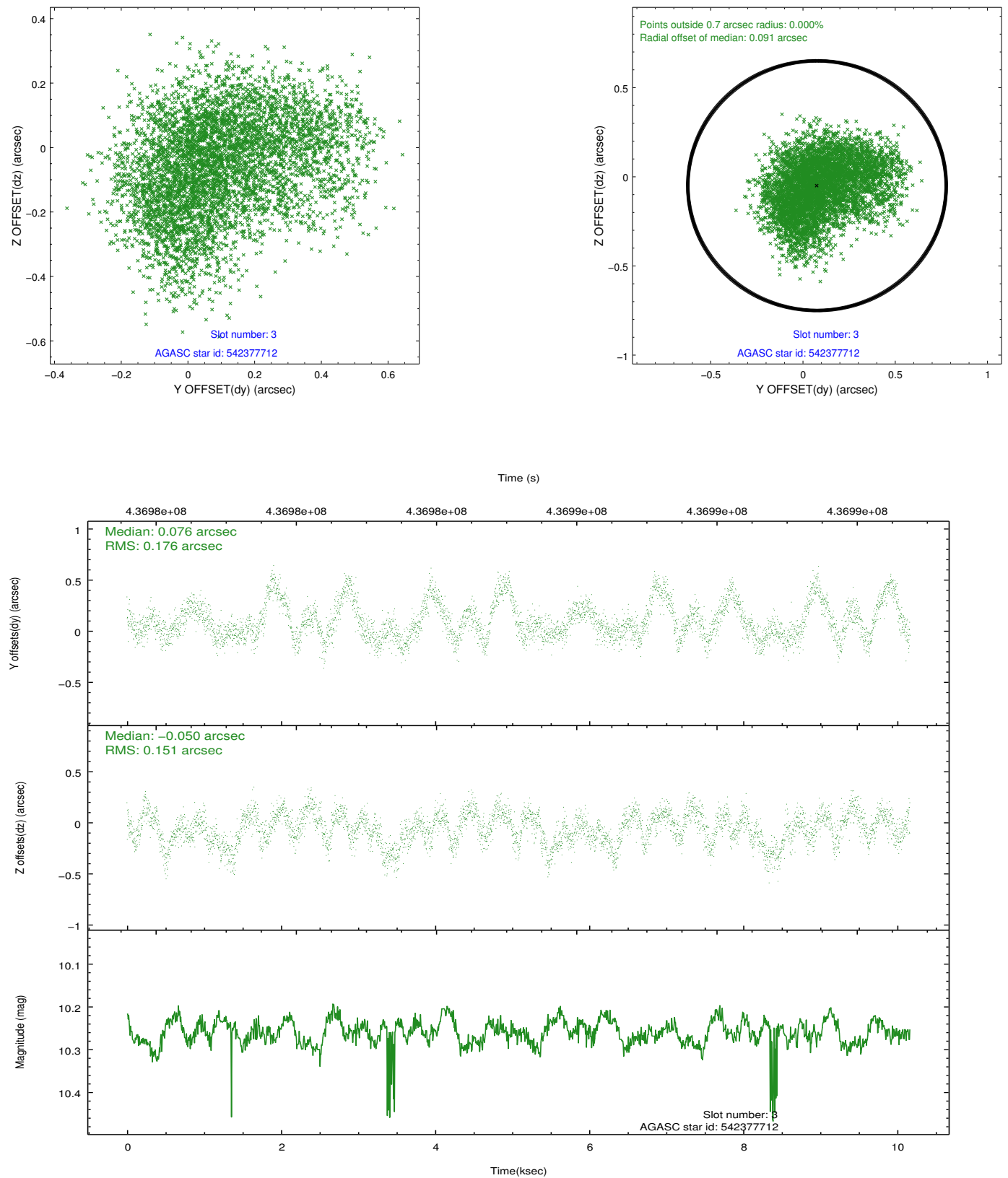


Slot Statistics

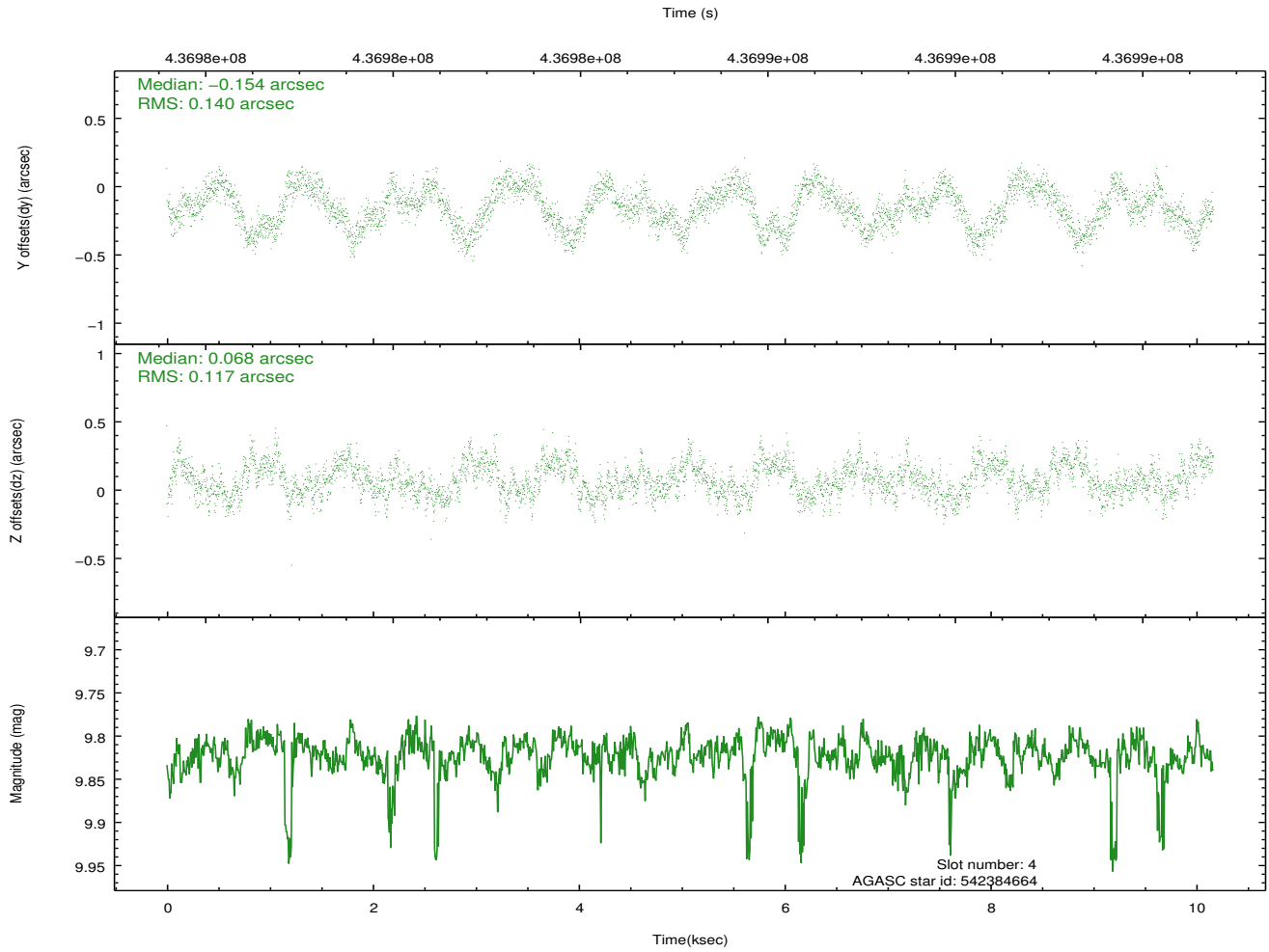
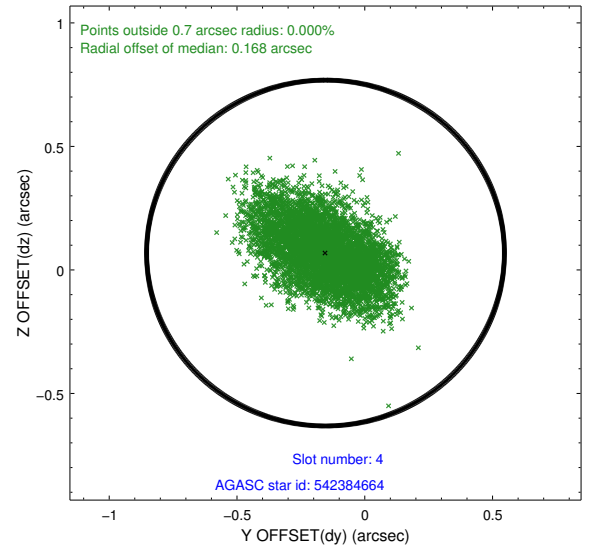
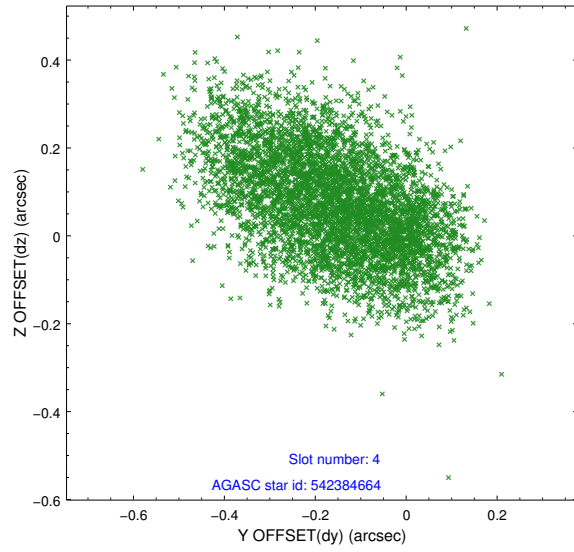
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	2479	-0.020	-0.046	0.010	0.016	0.000000	0.000000	-760.99	-1734.67
1	FID	ACIS-S-4	7.01	2480	0.152	0.022	0.010	0.019	0.000000	0.000000	2152.26	173.29
2	FID	ACIS-S-5	7.04	2480	-0.164	0.032	0.007	0.012	0.000000	0.000000	-1813.28	167.63
3	GUIDE	542377712	10.26	4946	0.076	-0.050	0.252	0.398	140.149516	63.452304	-2156.79	-662.28
4	GUIDE	542384664	9.82	4913	-0.154	0.068	0.196	0.310	141.595380	64.209738	1087.15	-2137.43
5	GUIDE	542385280	8.09	4960	-0.162	-0.050	0.110	0.194	141.435921	64.578073	2291.73	-1529.18
6	GUIDE	542386280	9.76	4953	0.107	-0.046	0.160	0.262	140.656666	63.481678	-1840.15	-1421.81
7	GUIDE	542388112	8.98	4947	0.110	0.089	0.127	0.207	141.257123	63.550611	-1340.92	-2282.33

2.4 Star Slots

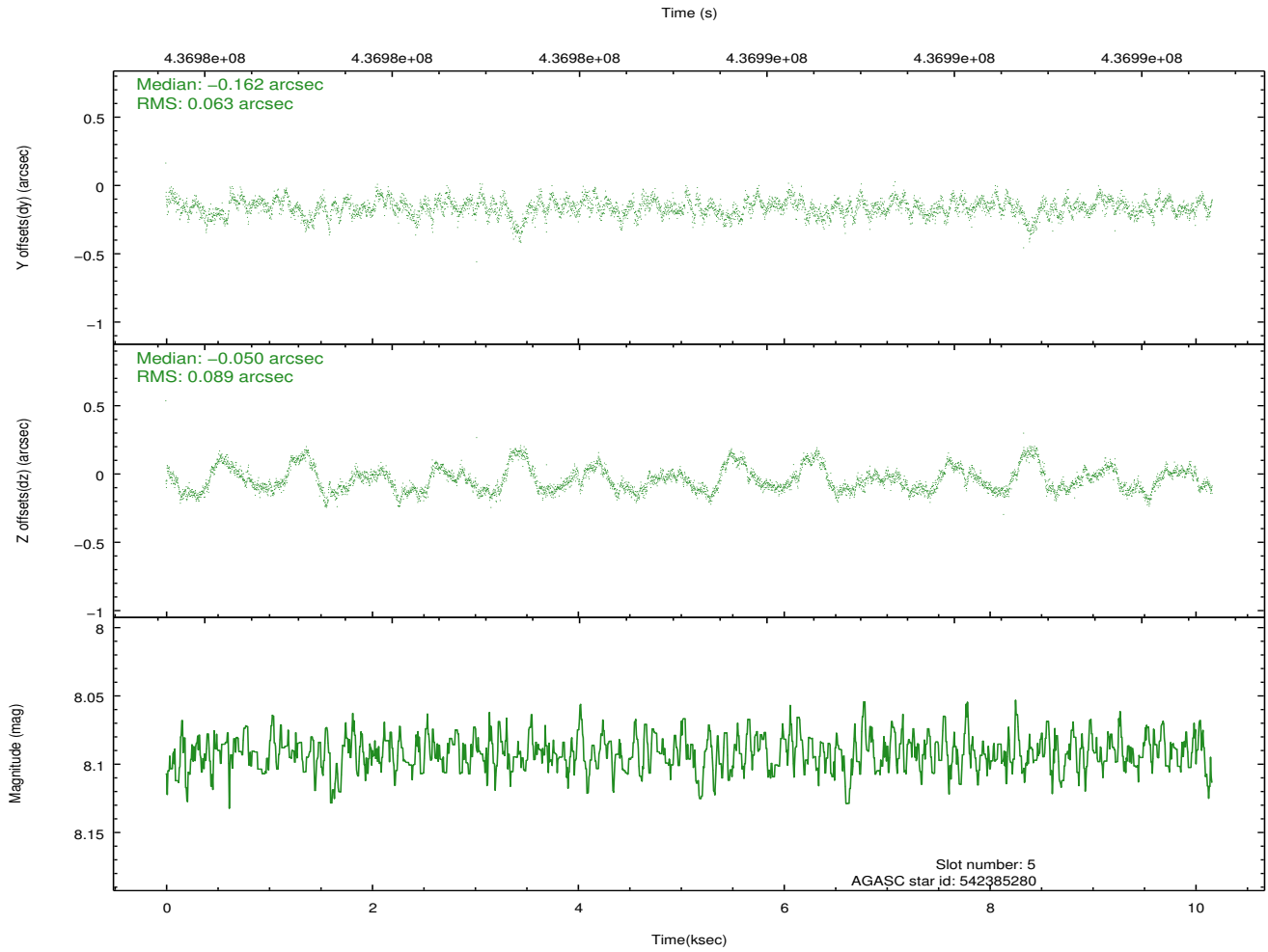
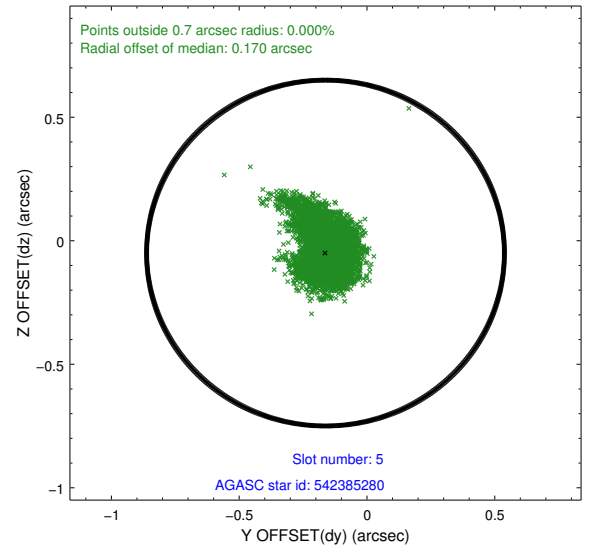
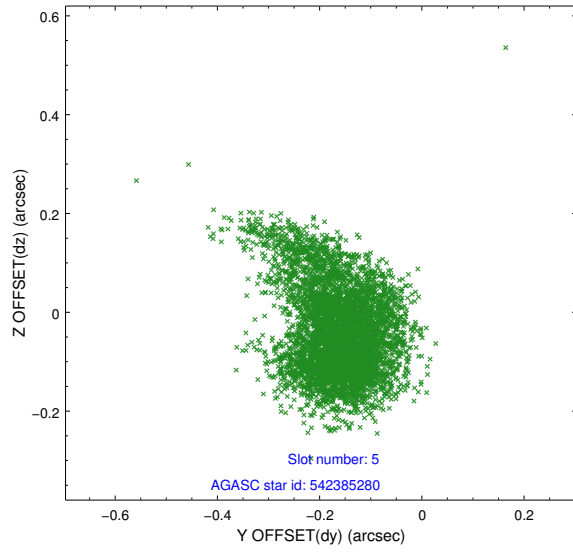
2.4.1 Slot 3



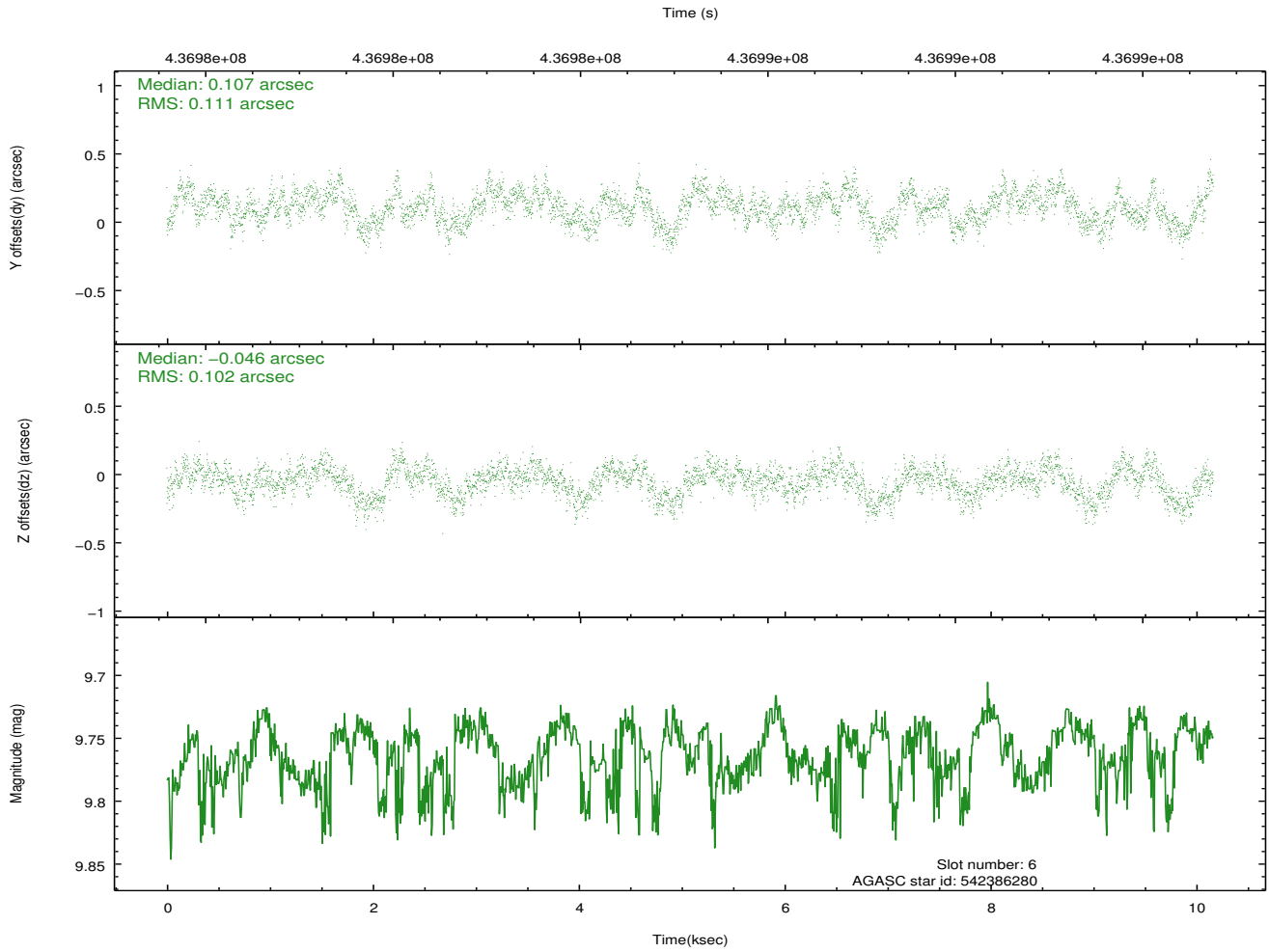
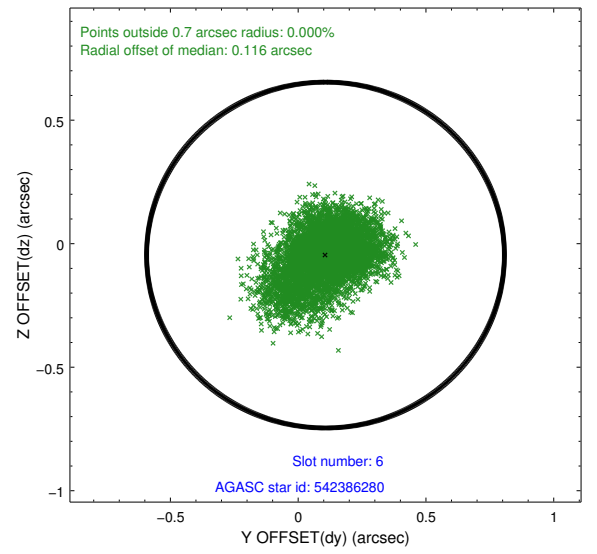
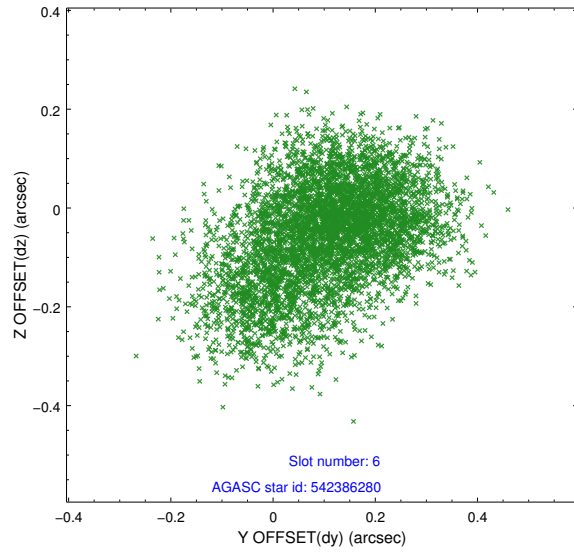
2.4.2 Slot 4



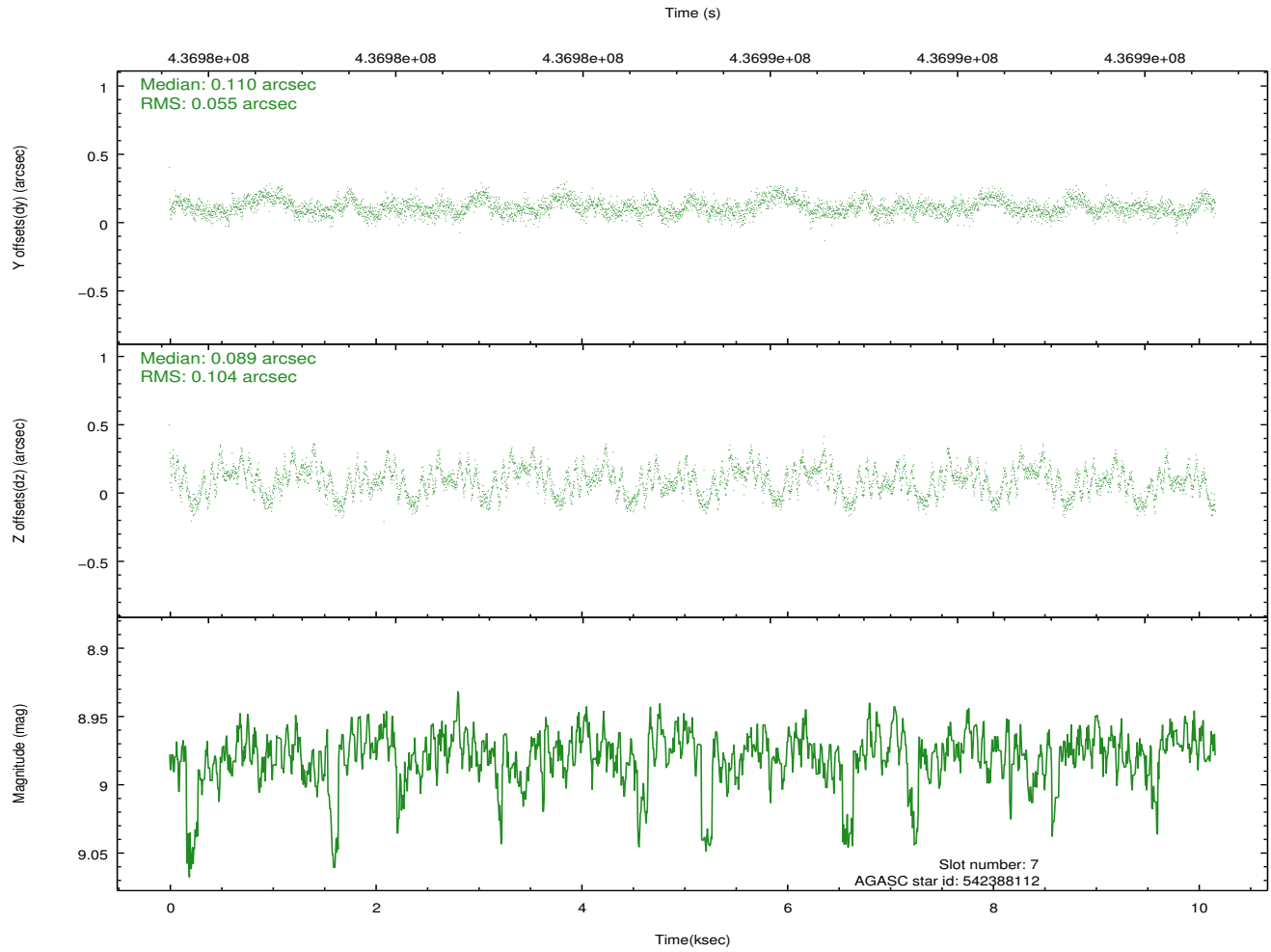
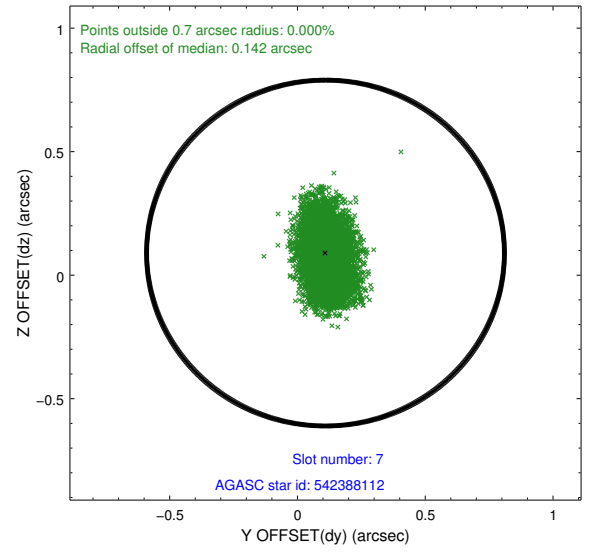
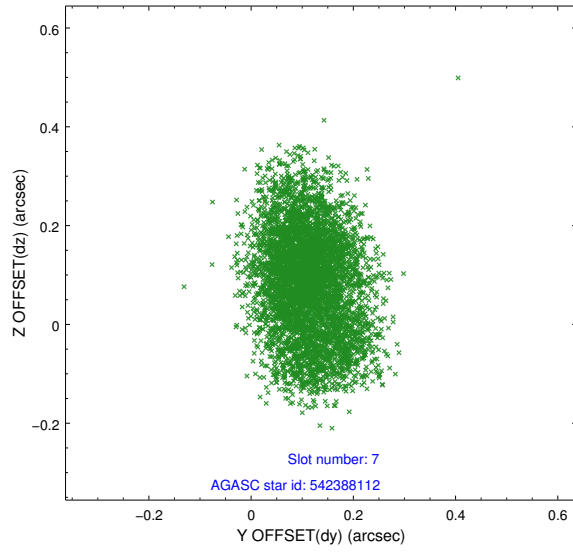
2.4.3 Slot 5



2.4.4 Slot 6

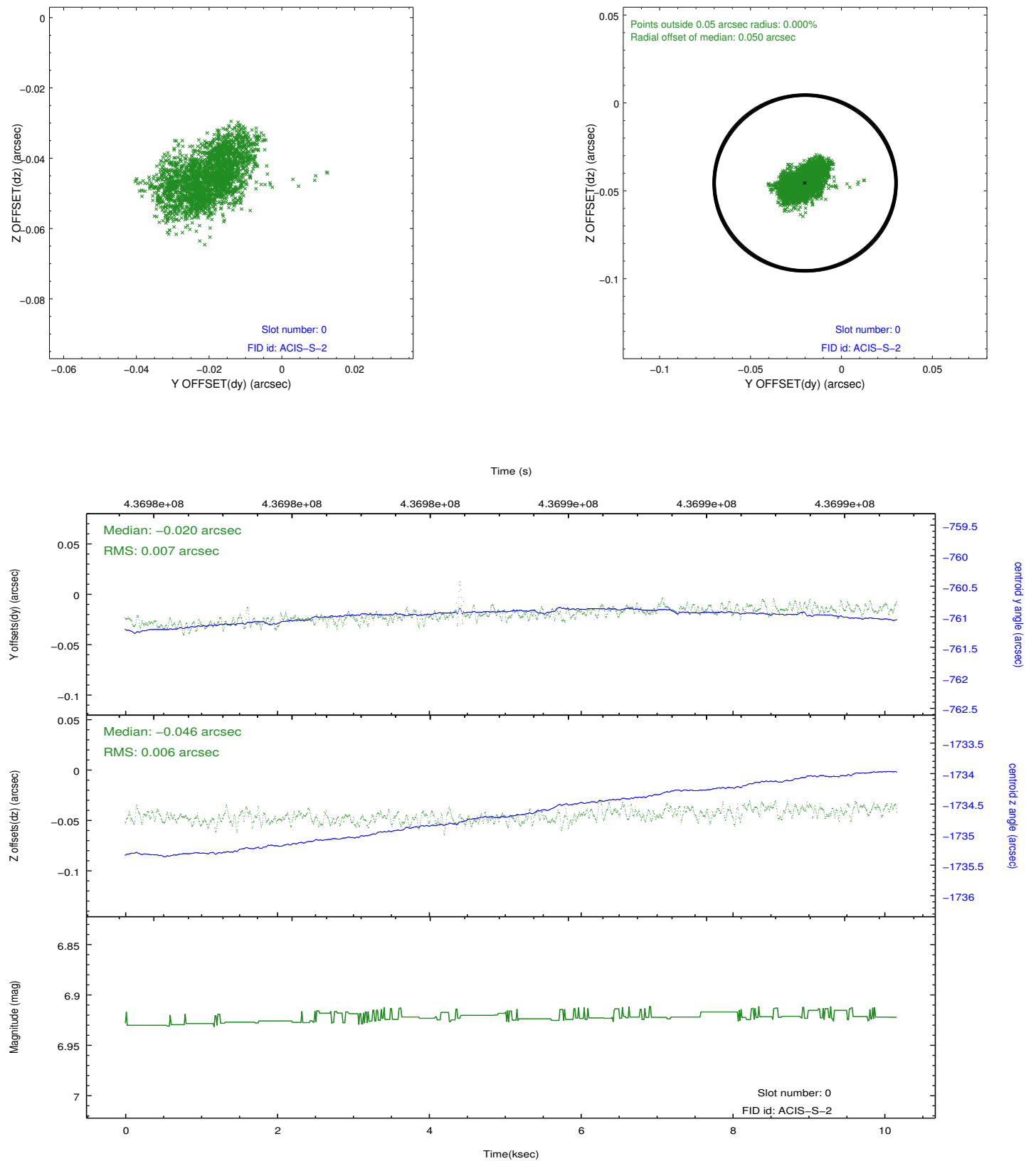


2.4.5 Slot 7

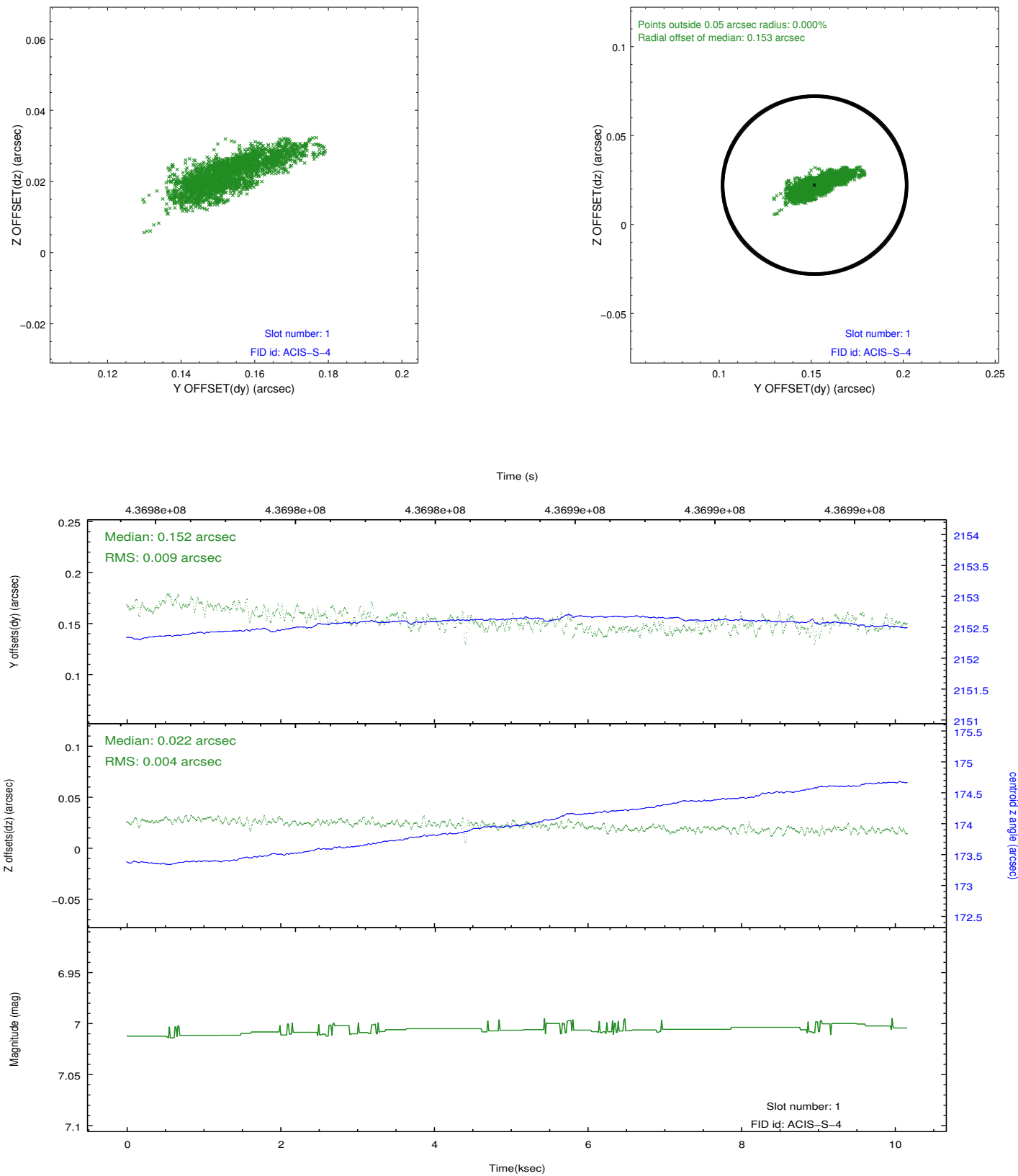


2.5 FID Slots

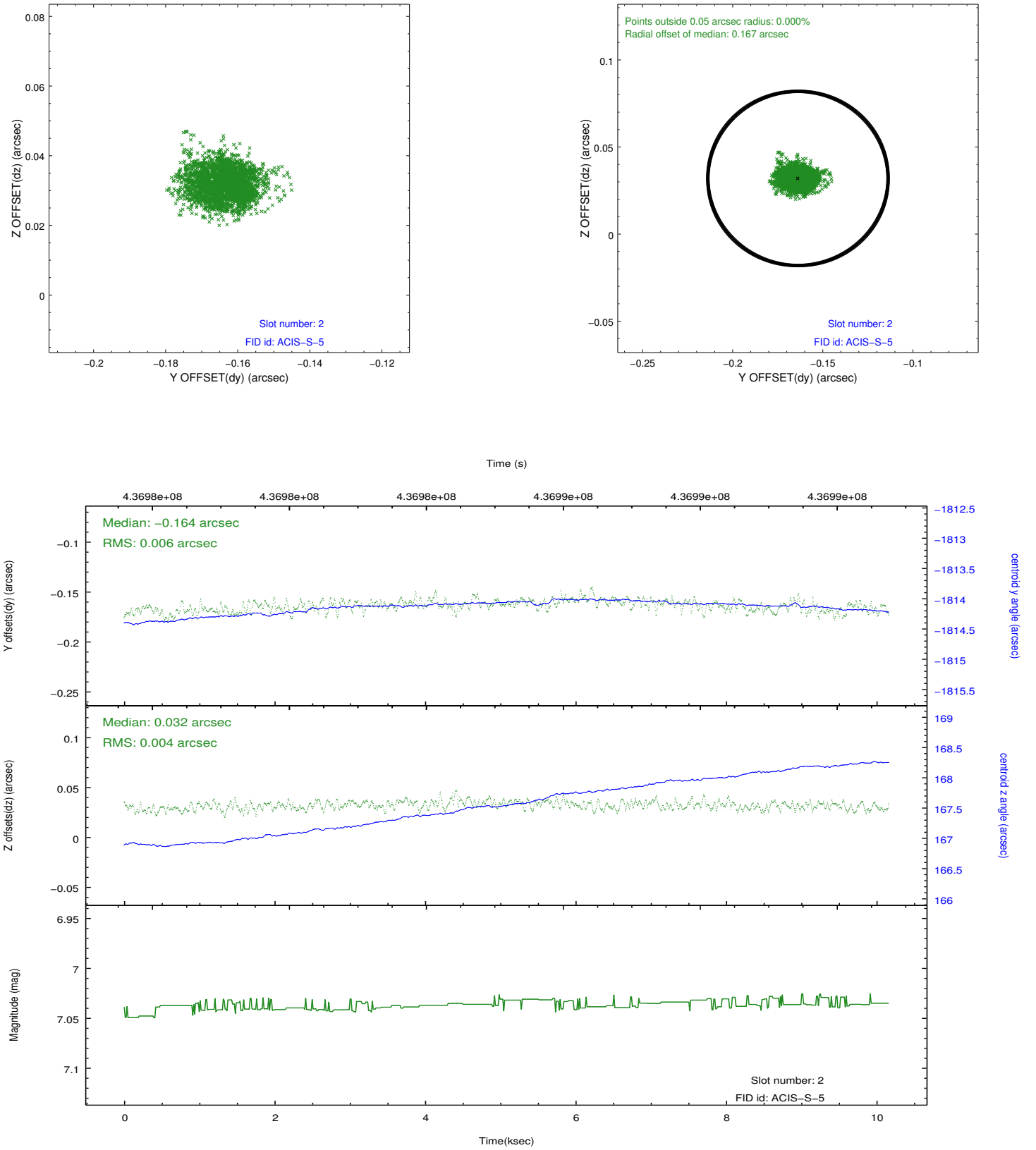
2.5.1 Slot 0



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)	2012.02.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.058536727786

A.2 Comments