

V&V Reference Report

L2 ASCDS Version : 10.5.2

Observation 18236 - L2 Version 1
Chandra X-Ray Center

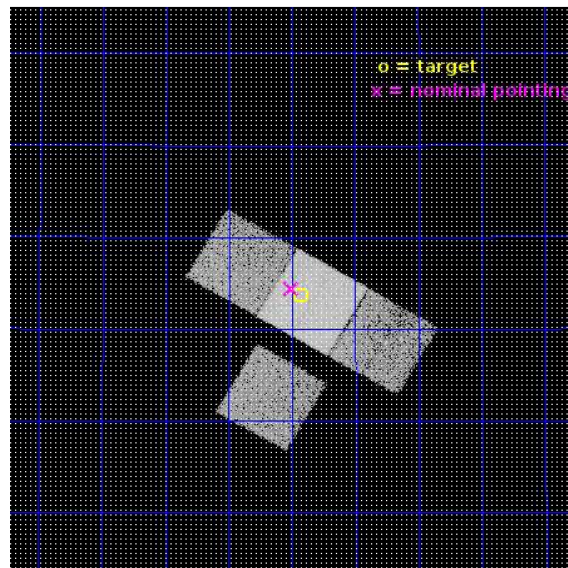
L2 Processing Date : Nov 1 2016

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1 Front

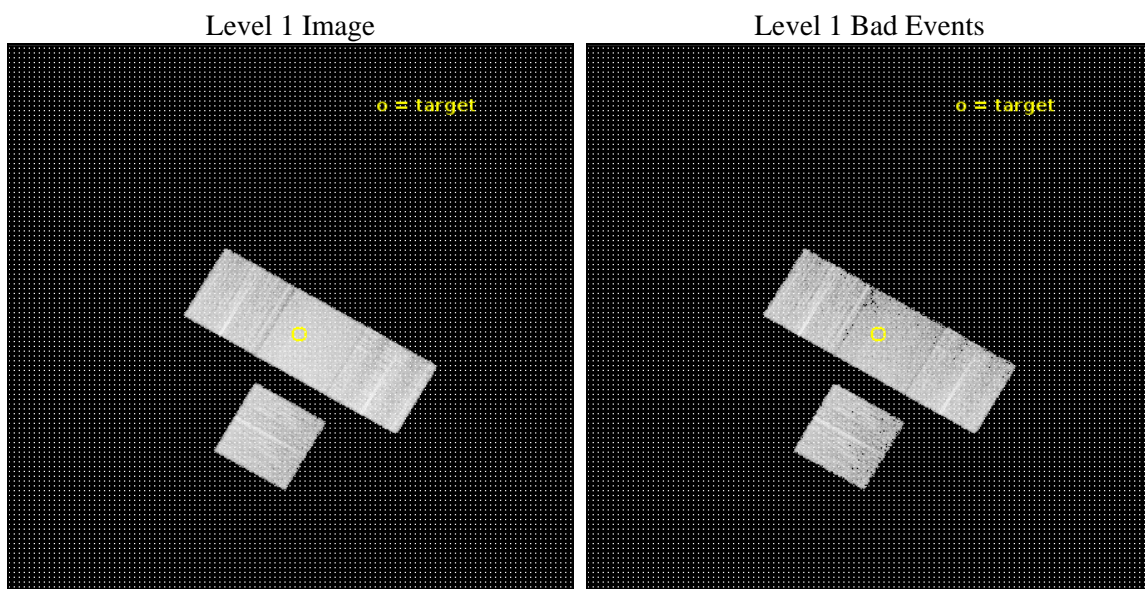
seq_num	801563	Sequence number
obs_id	18236	Observation id
title	Tales of tails: the Coma episodes	Proposal title
observer	Ming Sun	Principal investigator
object	KUG 1255+283	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	194.482917	Observer's specified target RA [deg]
dec_targ	28.061583	Observer's specified target Dec [deg]
ra_nom	194.50129124366	Nominal RA [deg]
dec_nom	28.073301742755	Nominal Dec [deg]
roll_nom	30.147966363082	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10067.679490924	Sum of GTIs [s]
livetime	9936.1378466571	Livetime [s]
ontime3	10067.597410917	Sum of GTIs [s]
ontime6	10067.63845098	Sum of GTIs [s]
ontime7	10067.679490924	Sum of GTIs [s]
ontime8	10067.556370974	Sum of GTIs [s]
l2events	75857	Number of level 2 events



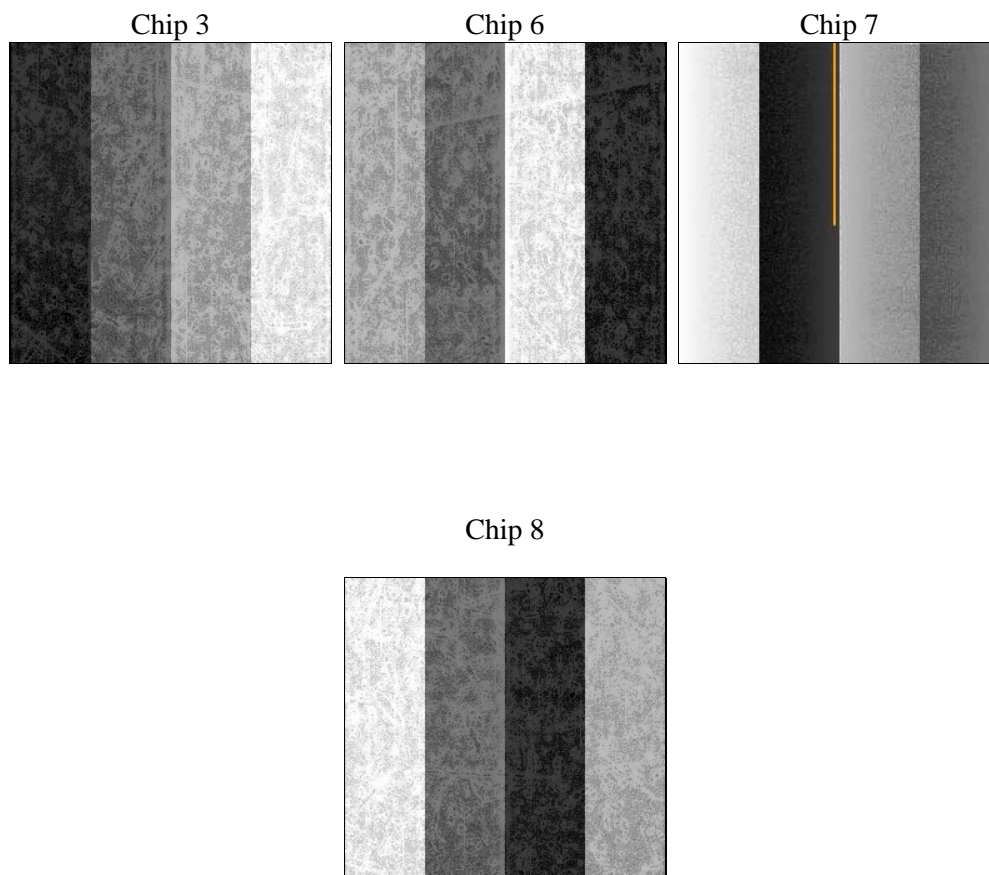
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.2	Processing system revision	ontime	10067.679490924	Sum of GTIs [s]
caldsver	4.7.2	 	ontime3	10067.597410917	Sum of GTIs [s]
date	2016-11-01T16:22:47	Date and time of file creation	ontime6	10067.63845098	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	10067.679490924	Sum of GTIs [s]
			ontime8	10067.556370974	Sum of GTIs [s]
			l1events	326150	Number of level 1 events

2.1.4 Events

	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	68862	74389	91945	90954
rejected events	56418	61237	48744	64271
rejected %	81%	82%	53%	70%

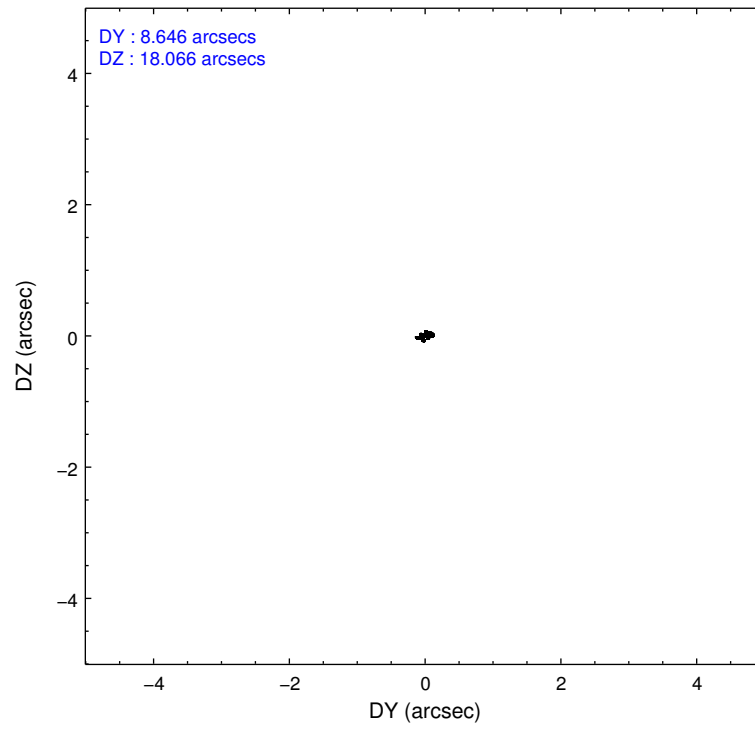
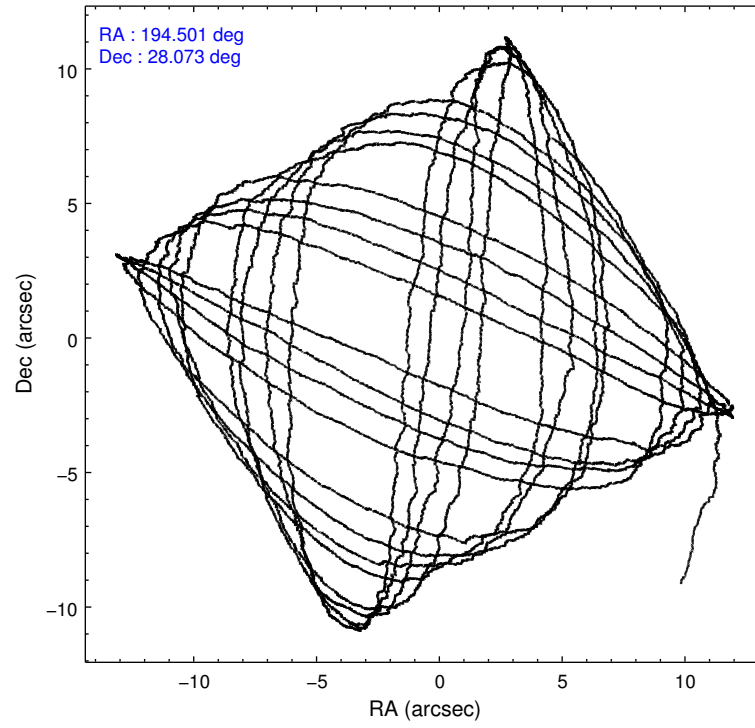
	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	6754	6852	4532	8945
	9%	9%	4%	9%
grade 1 events	62	59	107	67
	0%	0%	0%	0%
grade 2 events	2132	2423	9440	6170
	3%	3%	10%	6%
grade 3 events	928	966	3609	2737
	1%	1%	3%	3%
grade 4 events	935	924	3721	2428
	1%	1%	4%	2%
grade 5 events	3151	3326	8843	4815
	4%	4%	9%	5%
grade 6 events	1701	1996	21922	6420
	2%	2%	23%	7%
grade 7 events	53199	57843	39771	59372
	77%	77%	43%	65%

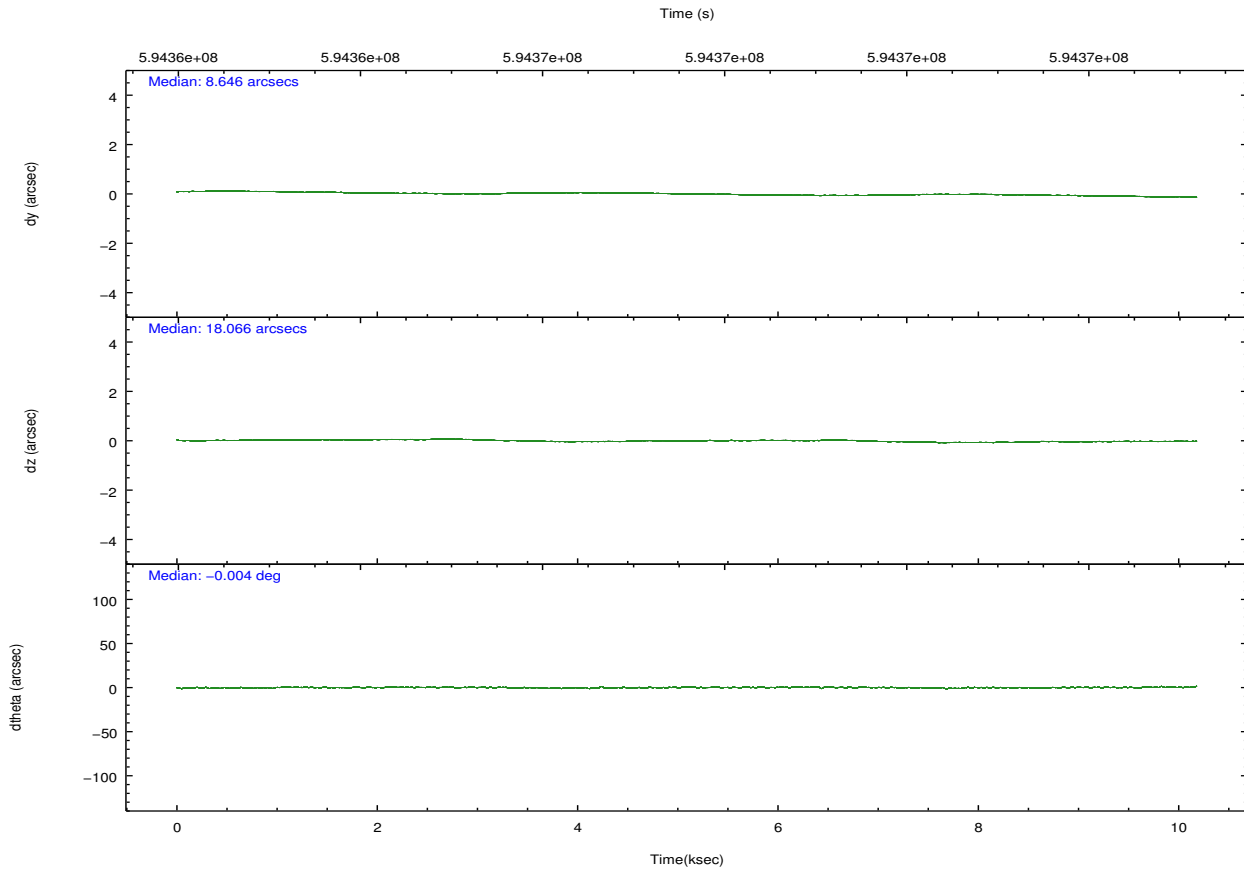
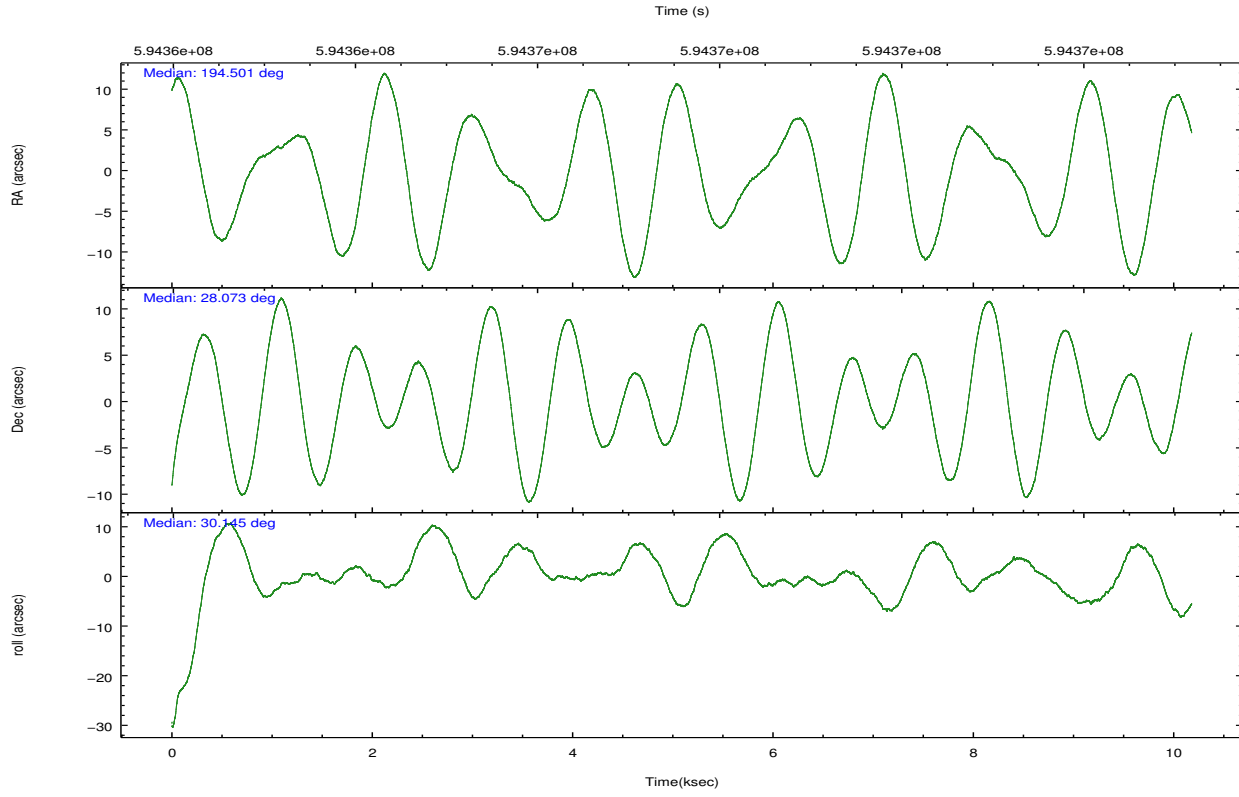
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-3678	ACIS-3678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	194.486113	194.5012912436574
[deg] Pointing Dec	28.049327	28.07330174275485
[deg] Pointing Roll	29.998488	30.14796636308215
[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)	594362670.184000	594361140.7098401
Observation start date	2016-11-01T04:43:22	2016-11-01T04:19:00
[s] Observation end time (MET)	594372670.184000	594373701.06057
Observation end date	2016-11-01T07:30:02	2016-11-01T07:48:21
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	N
CCD I3 on	Y	Y
CCD S0 on	N	N
CCD S1 on	N	N
CCD S2 on	Y	Y
CCD S3 on	Y	Y
CCD S4 on	Y	Y
CCD S5 on	N	N
Number of optional ACIS chips dropped	1	1
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



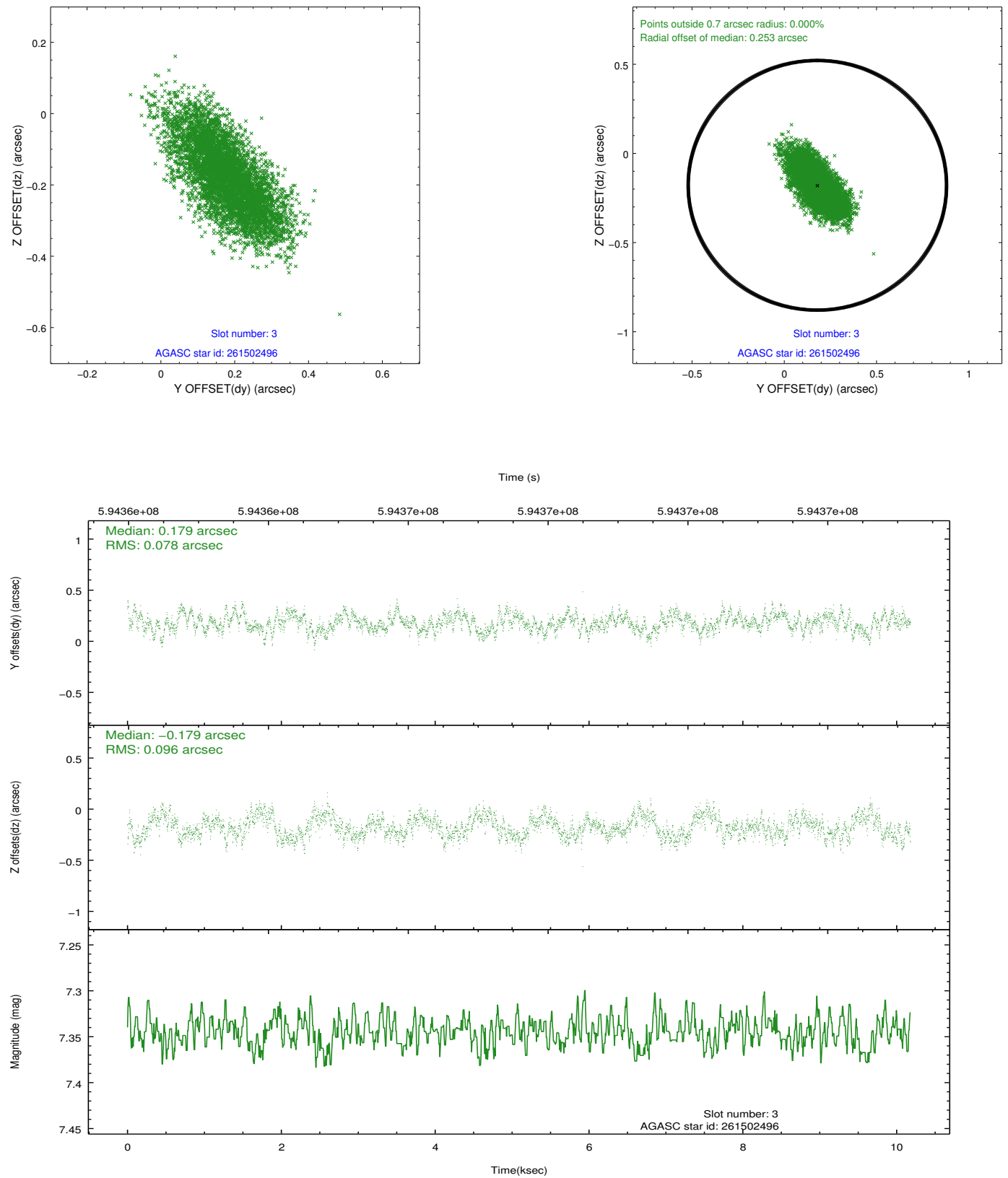


Slot Statistics

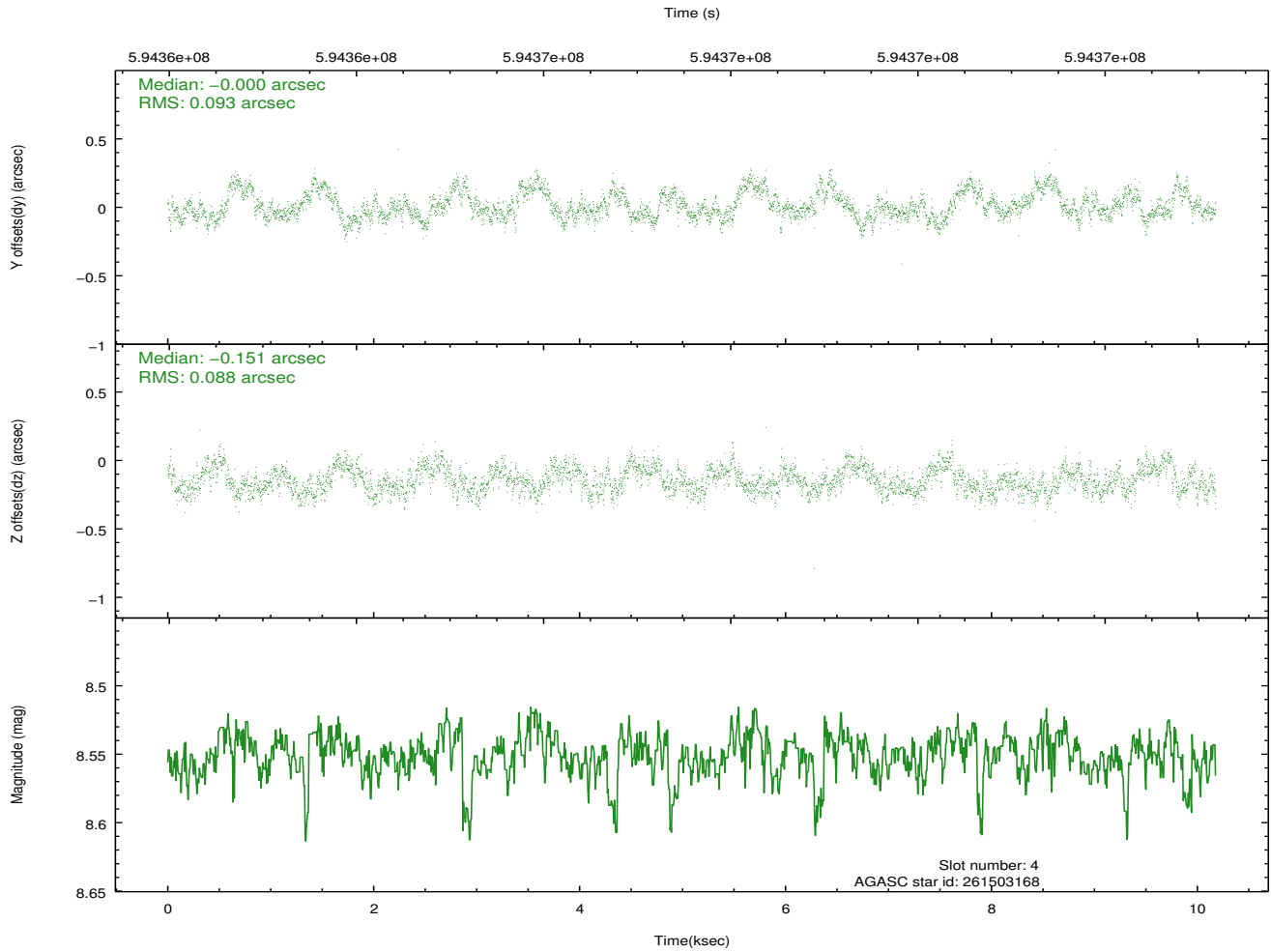
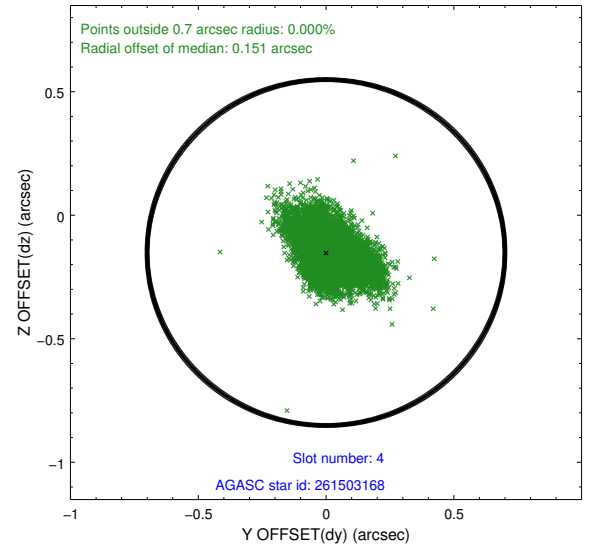
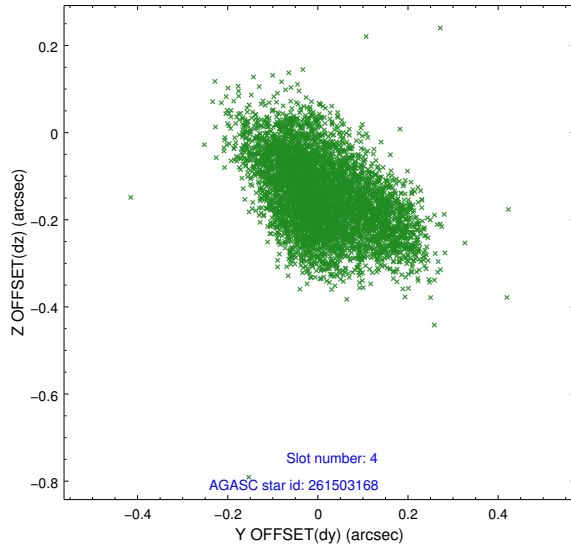
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.96	2483	-0.101	-0.072	0.007	0.011	0.000000	0.000000	-761.55	-1739.54
1	FID		ACIS-S-4	7.05	2483	0.300	0.068	0.006	0.012	0.000000	0.000000	2151.90	168.52
2	FID		ACIS-S-5	7.07	2483	-0.230	0.013	0.007	0.011	0.000000	0.000000	-1813.85	162.76
3	GUIDE	used	261502496	7.34	4966	0.179	-0.179	0.131	0.219	194.887297	28.065668	1134.38	-584.26
4	GUIDE	used	261503168	8.55	4965	-0.000	-0.151	0.137	0.219	193.765545	28.234101	-1643.13	1724.39
5	GUIDE	used	261505232	9.73	4953	0.163	0.385	0.203	0.305	194.216553	27.802521	-1187.44	-340.24
6	GUIDE	used	261505760	9.76	4885	0.107	-0.018	0.186	0.320	193.736841	27.992885	-2161.12	1021.66
7	GUIDE	used	261492080	9.27	4965	-0.451	-0.044	0.139	0.226	194.976344	28.631585	2390.21	1044.17

2.4 Star Slots

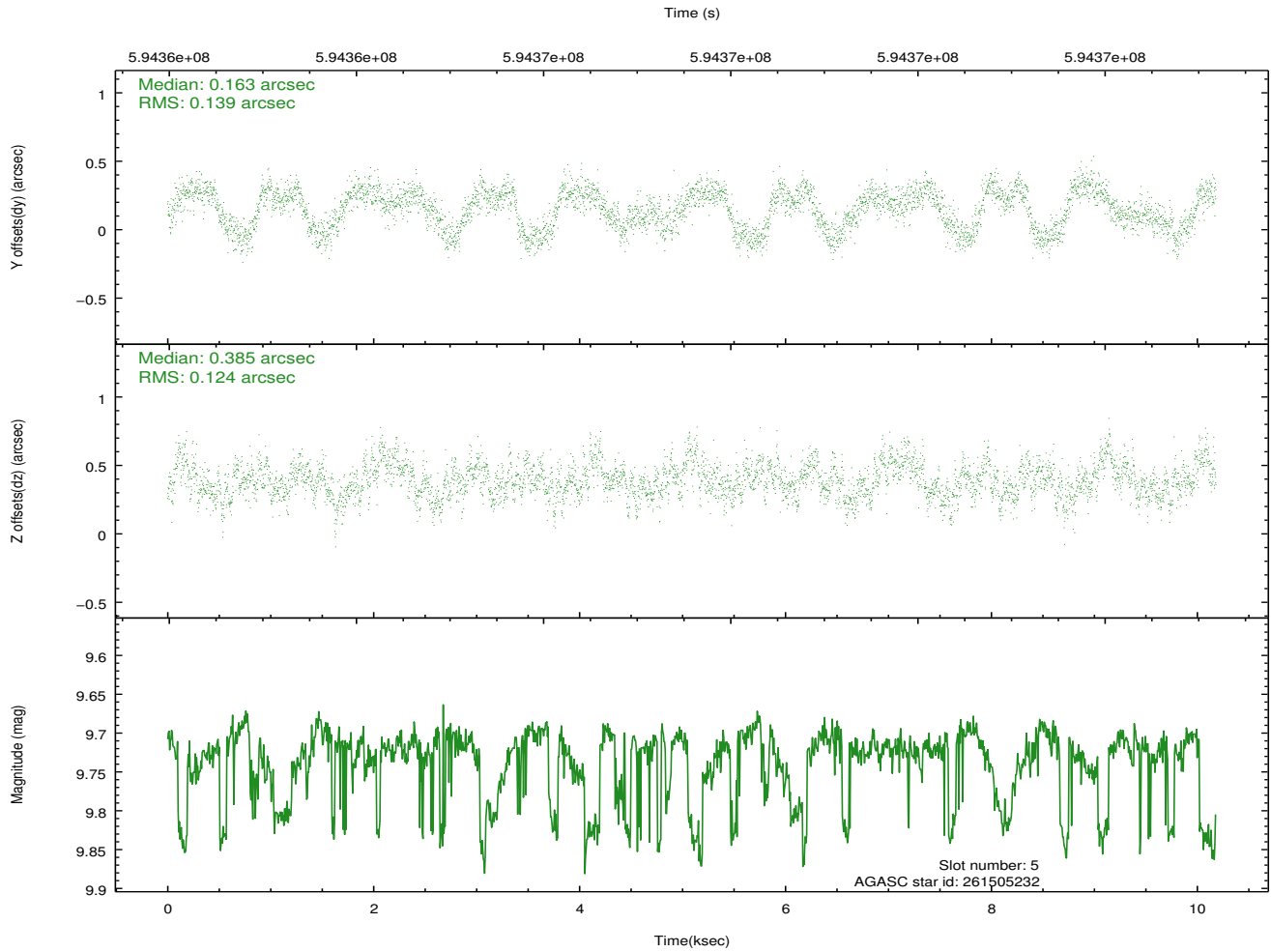
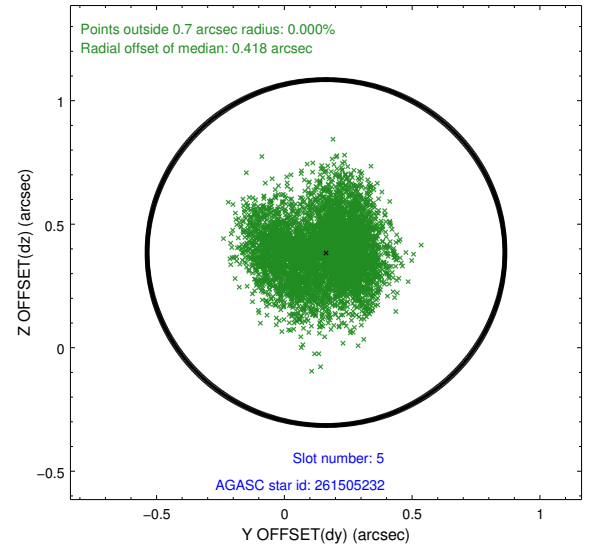
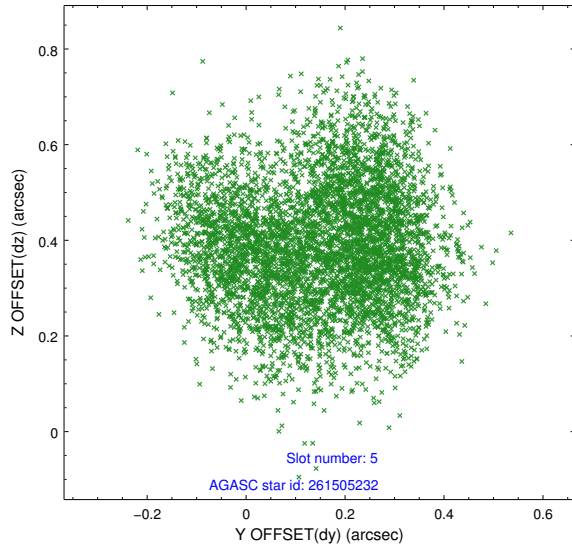
2.4.1 Slot 3



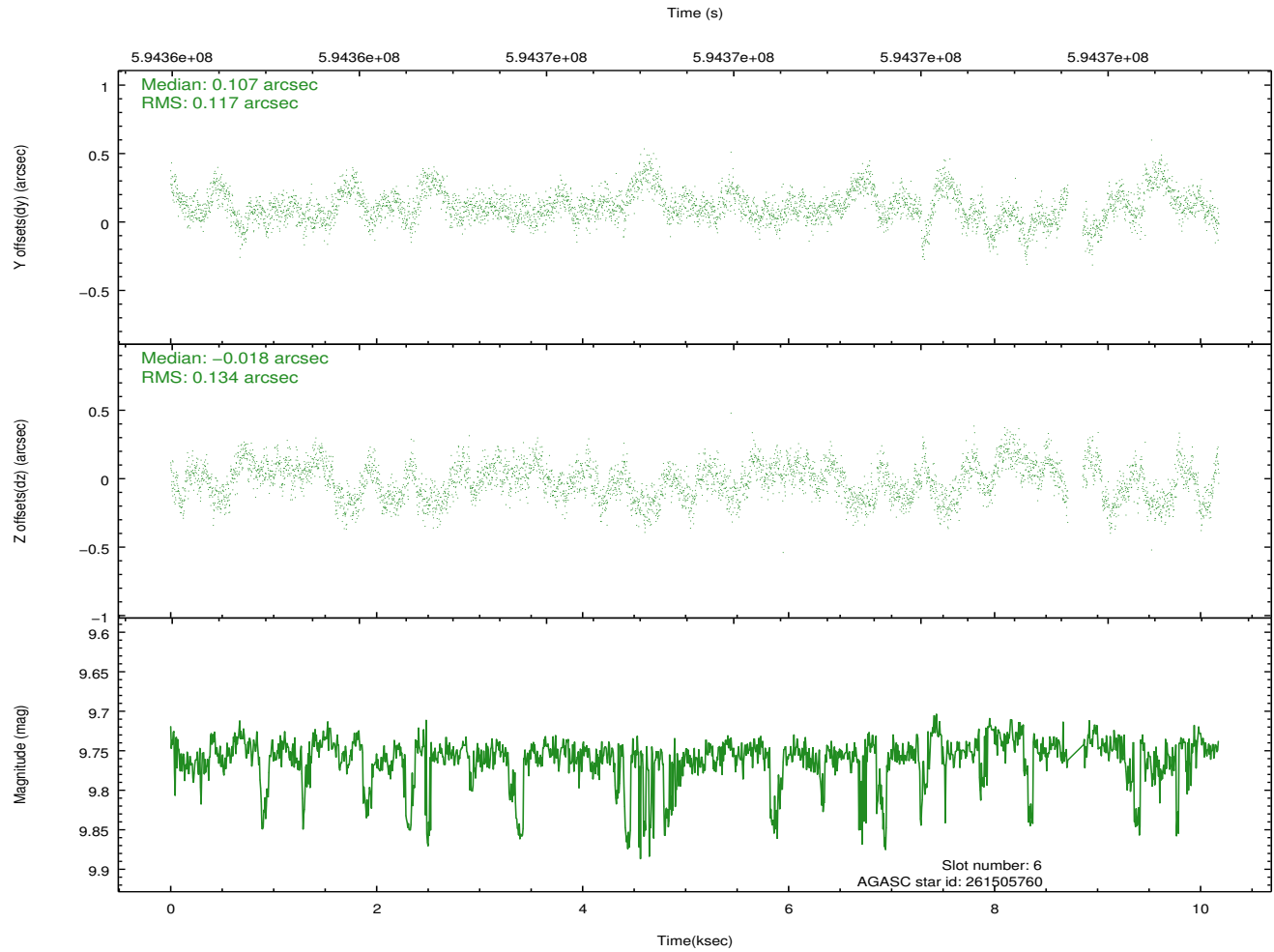
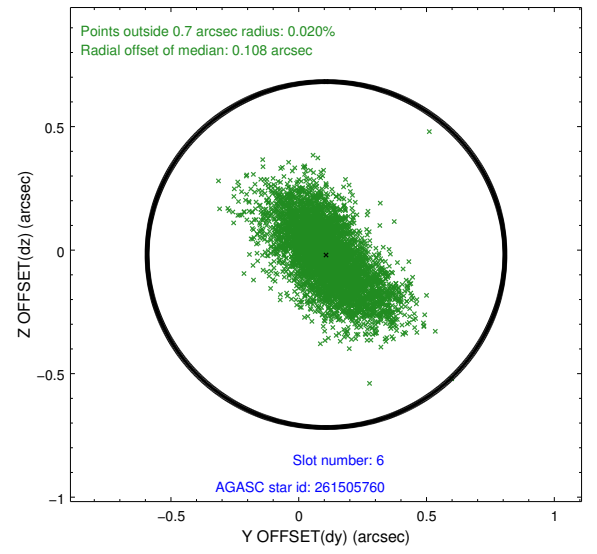
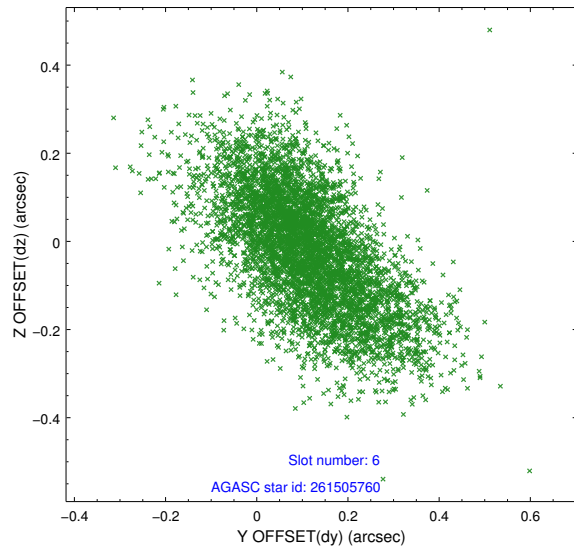
2.4.2 Slot 4



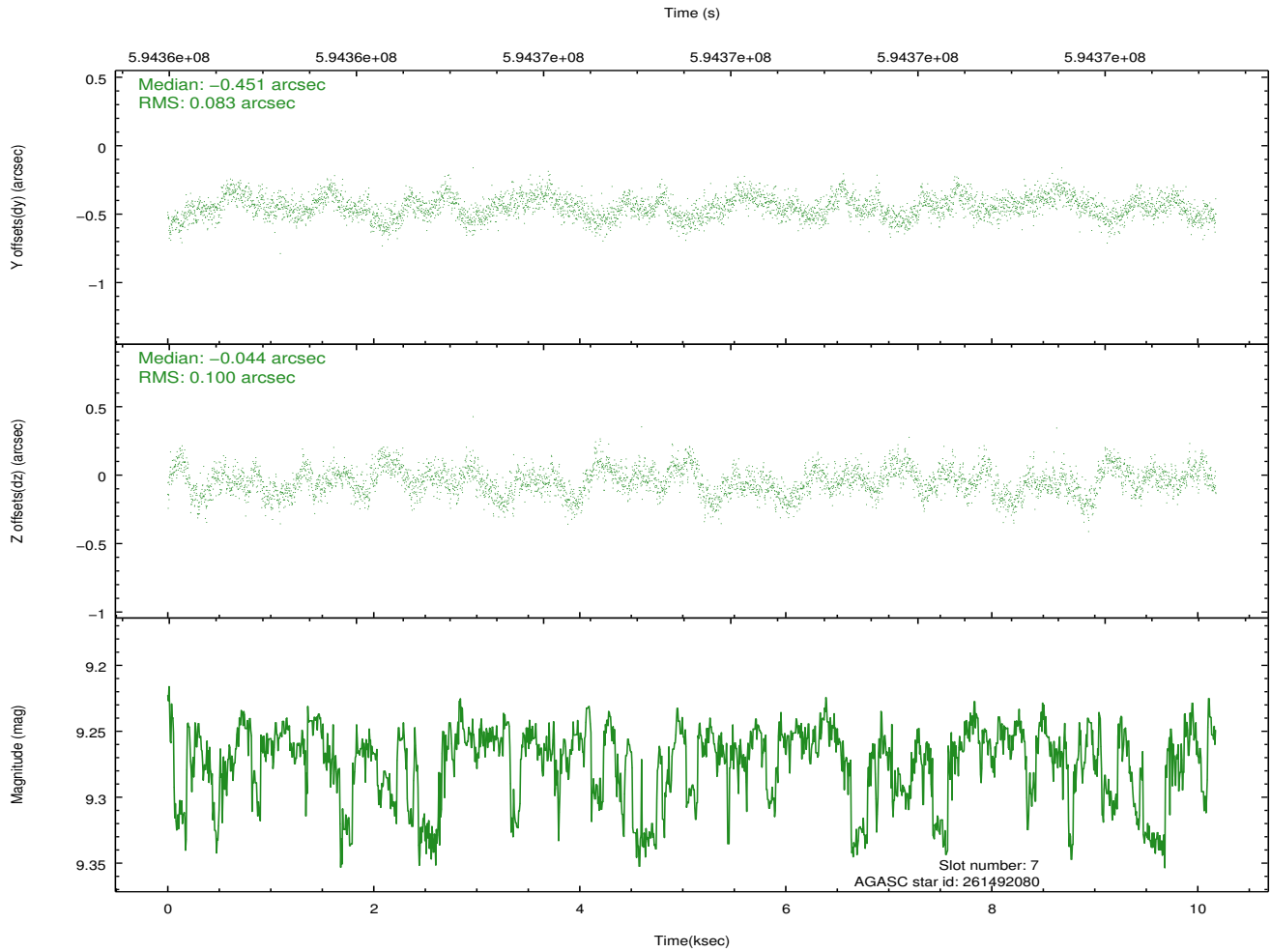
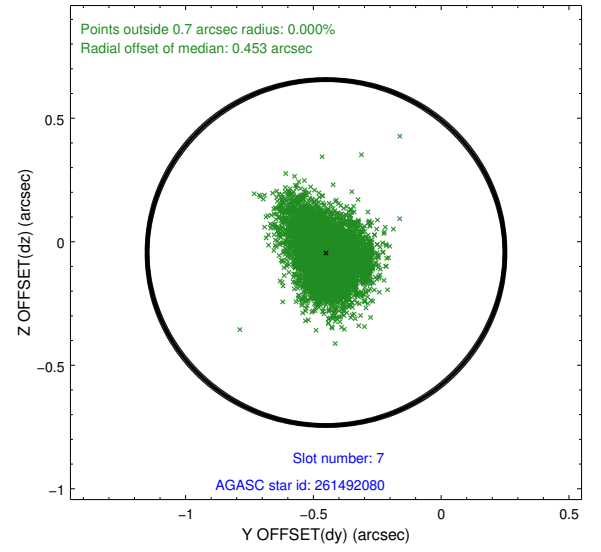
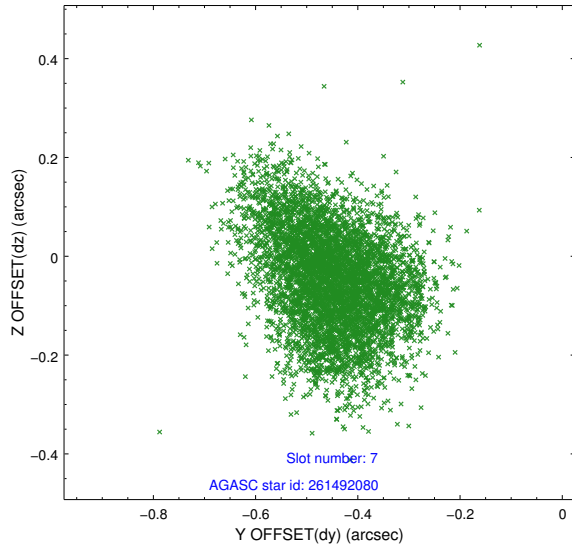
2.4.3 Slot 5



2.4.4 Slot 6

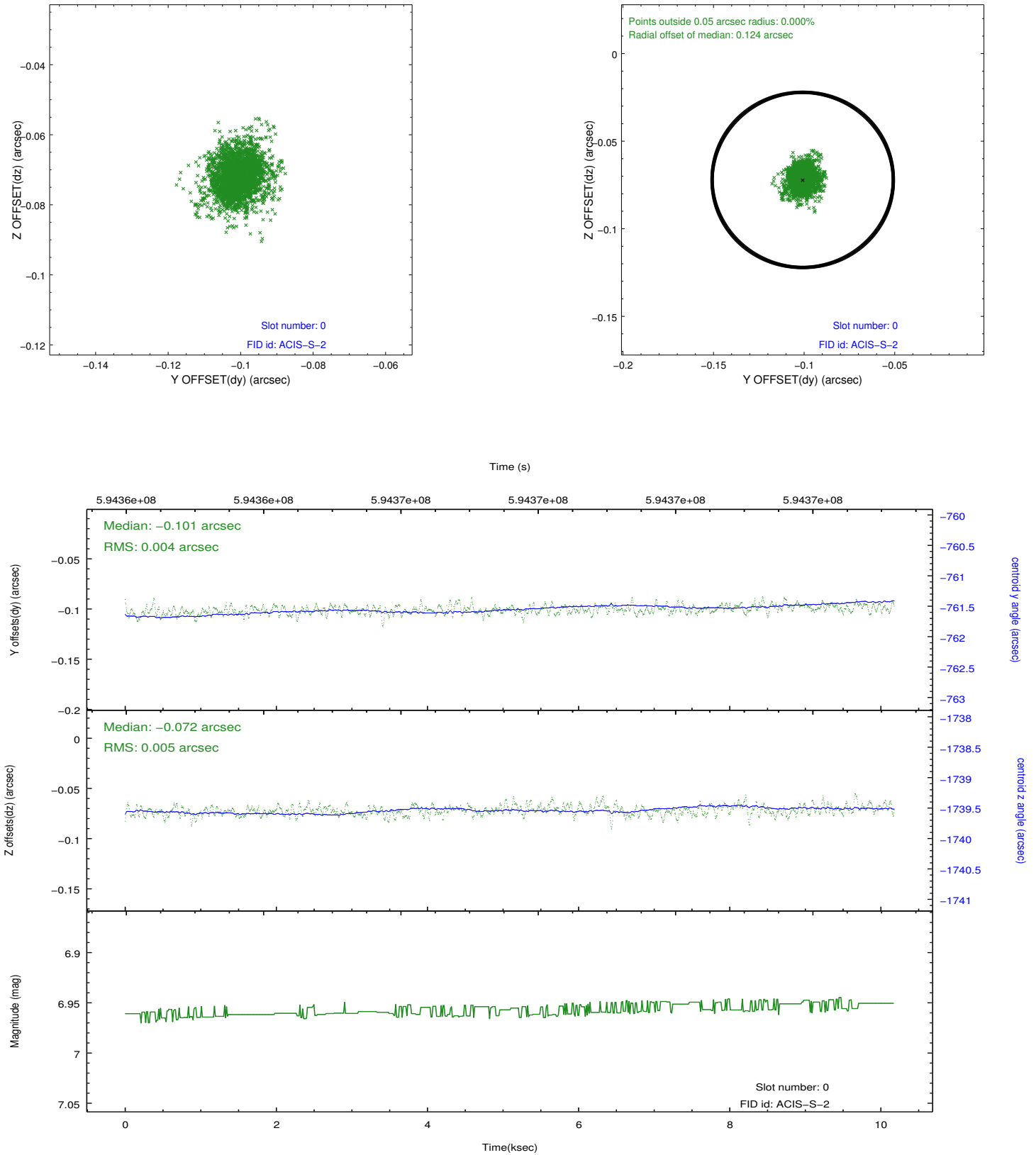


2.4.5 Slot 7

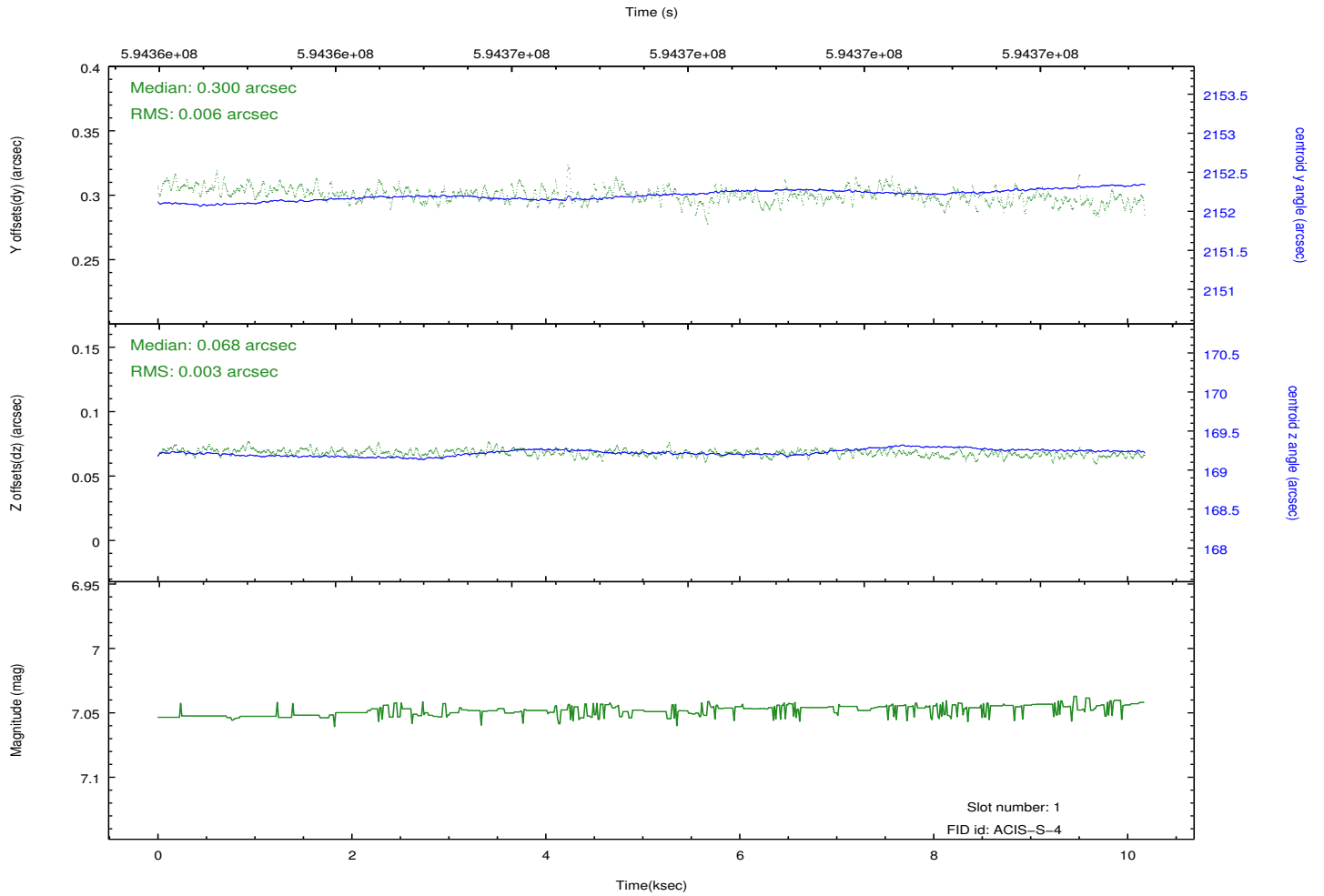
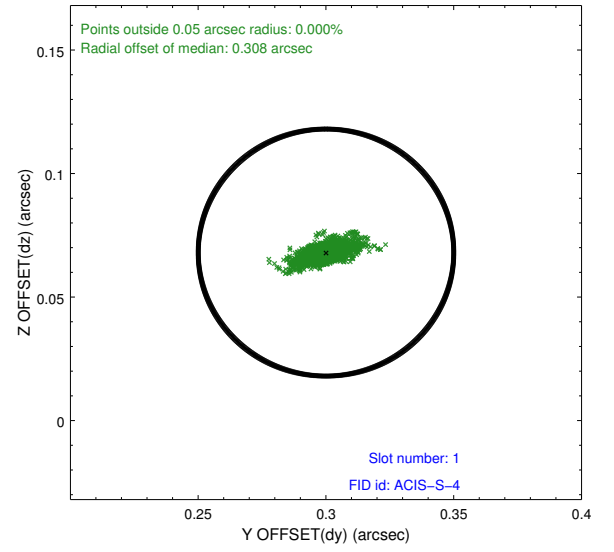
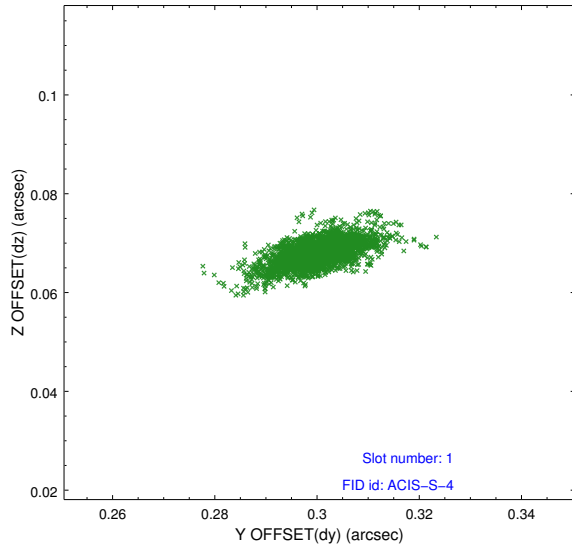


2.5 FID Slots

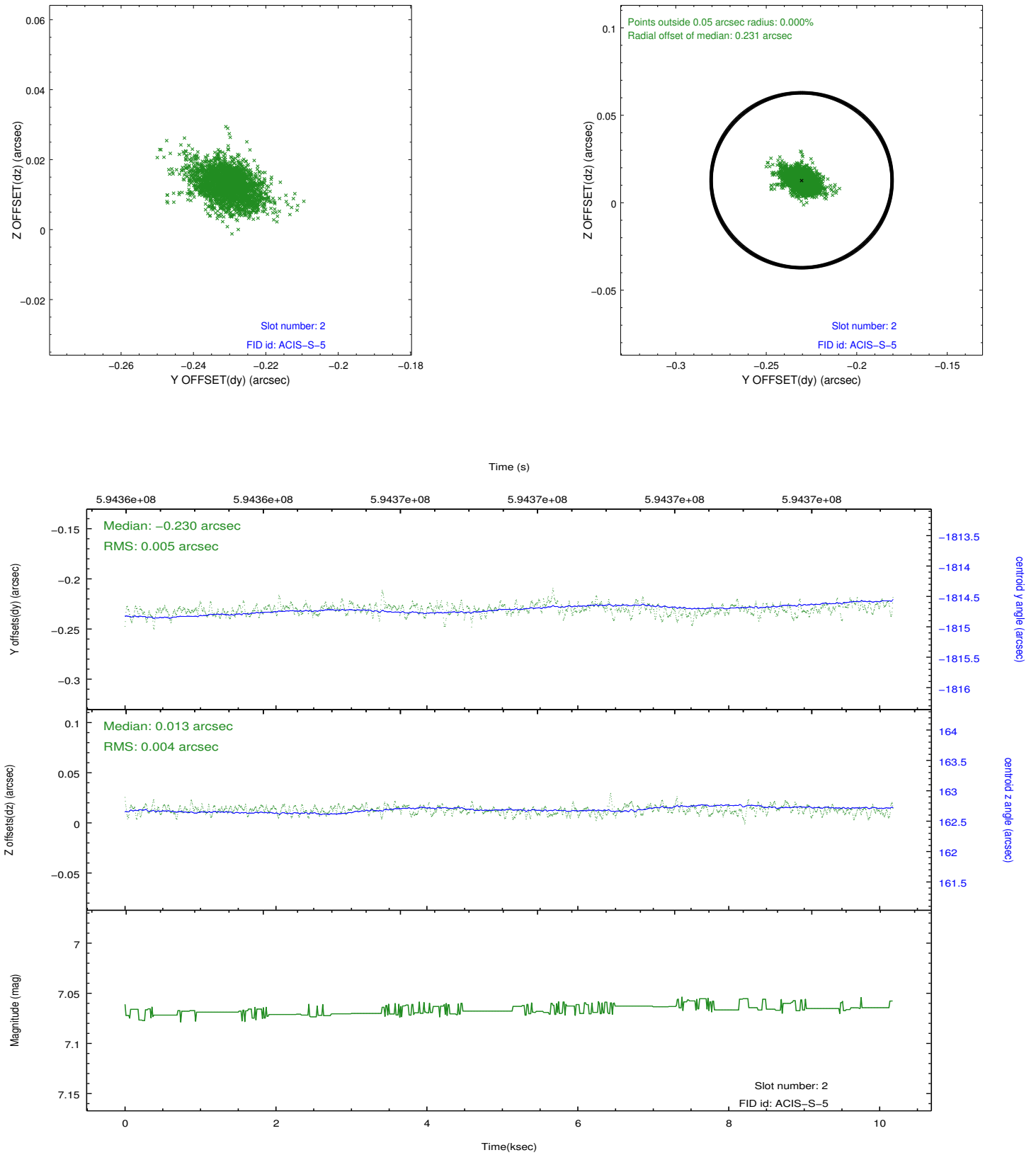
2.5.1 Slot 0



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)	2016.11.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.067679490924

A.2 Comments

Joint Proposal: HST+NRAO. Optional chip I2 not included.