

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4015 - L2 Version 3
Chandra X-Ray Center

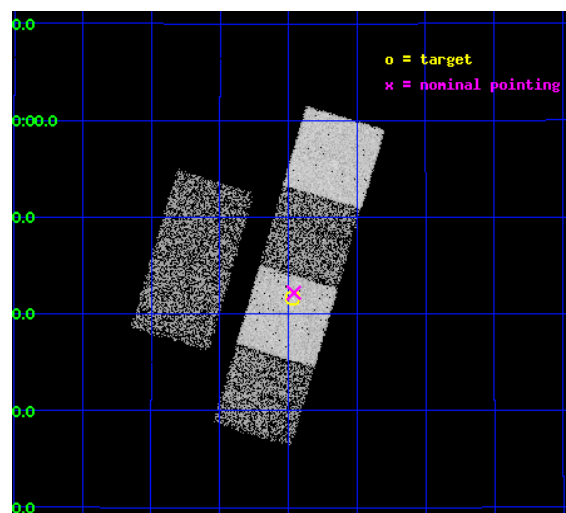
L2 Processing Date : Nov 12 2012

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1 Front

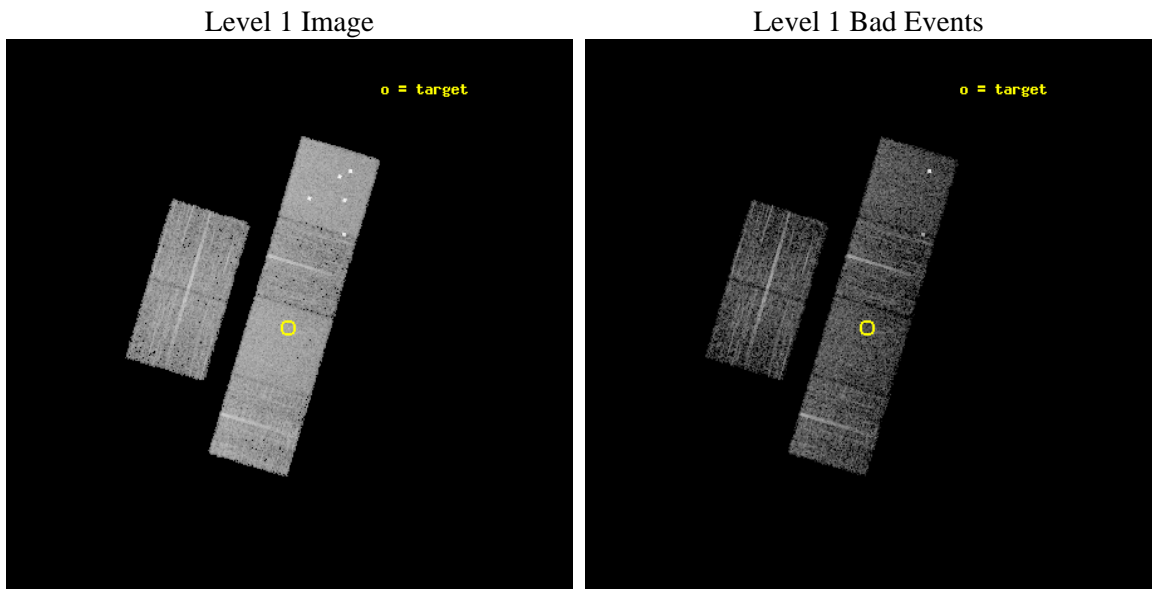
seq_num	700694	Sequence number
obs_id	4015	Observation id
title	A CHANDRA SURVEY OF INFRARED-BRIGHT LINER GALAXIES	Proposal title
observer	Dr. Shobita Satyapal	Principal investigator
object	NGC4350	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	185.99125	Observer's specified target RA [deg]
dec_targ	16.693611	Observer's specified target Dec [deg]
ra_nom	185.99010059978	Nominal RA [deg]
dec_nom	16.703146934344	Nominal Dec [deg]
roll_nom	106.58724810934	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4959.2032959461	Sum of GTIs [s]
livetime	4896.4068777391	Livetime [s]
ontime2	4956.0033357441	Sum of GTIs [s]
ontime3	4959.0801759362	Sum of GTIs [s]
ontime5	4959.1622559428	Sum of GTIs [s]
ontime6	4959.1212159395	Sum of GTIs [s]
ontime7	4959.2032959461	Sum of GTIs [s]
ontime8	4959.0391359627	Sum of GTIs [s]
l2events	53209	Number of level 2 events



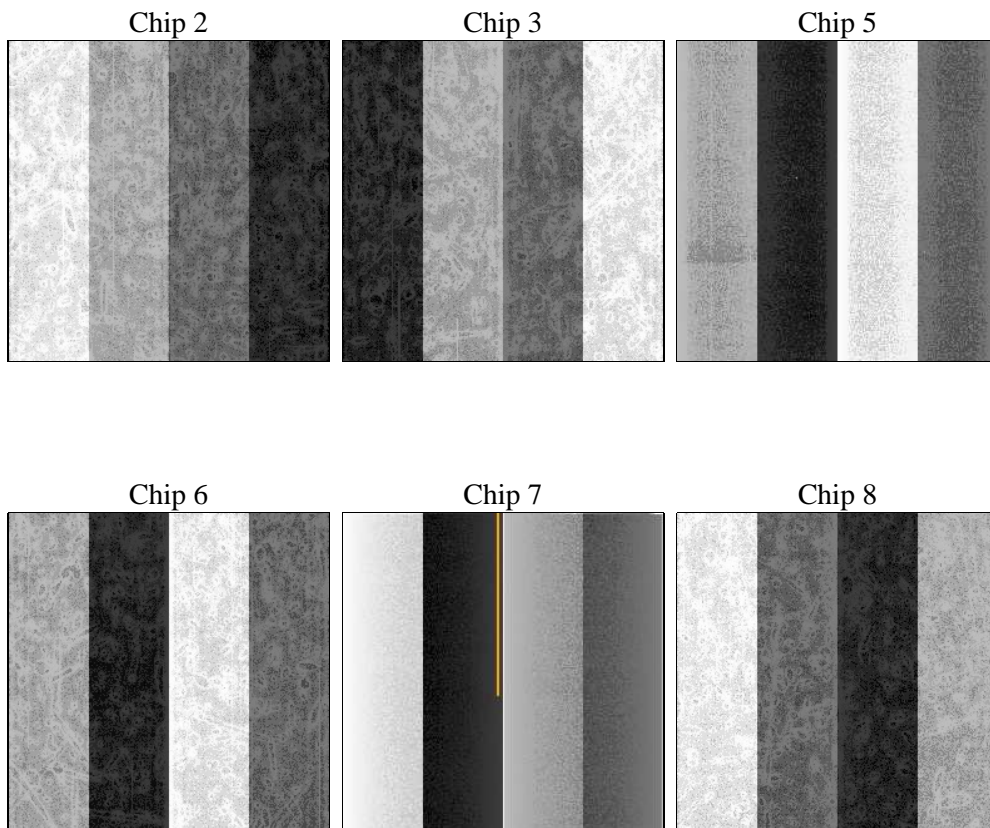
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4959.2032959461	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	4956.0033357441	Sum of GTIs [s]
date	2012-11-12T15:07:09	Date and time of file creation	ontime3	4959.0801759362	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4959.1622559428	Sum of GTIs [s]
			ontime6	4959.1212159395	Sum of GTIs [s]
			ontime7	4959.2032959461	Sum of GTIs [s]
			ontime8	4959.0391359627	Sum of GTIs [s]
			l1events	236036	Number of level 1 events

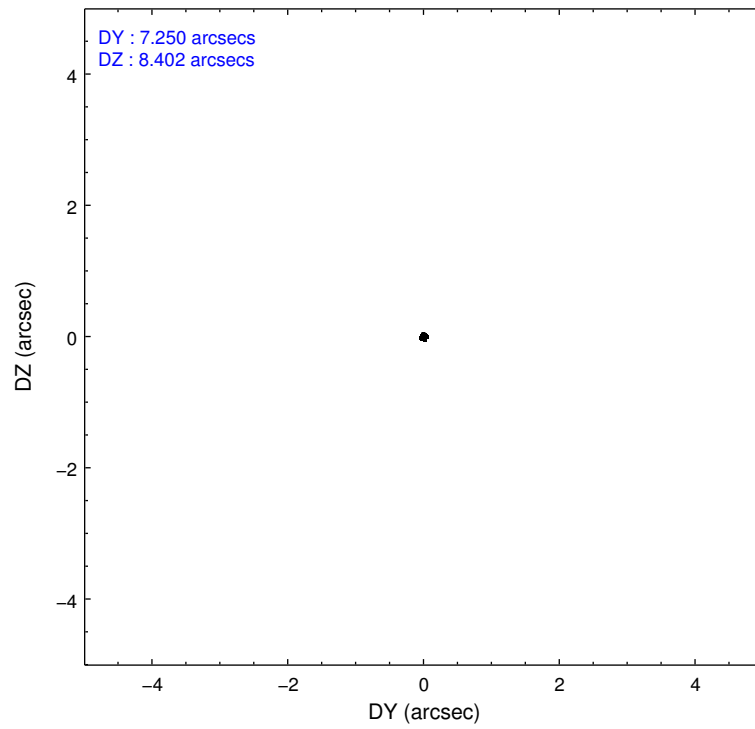
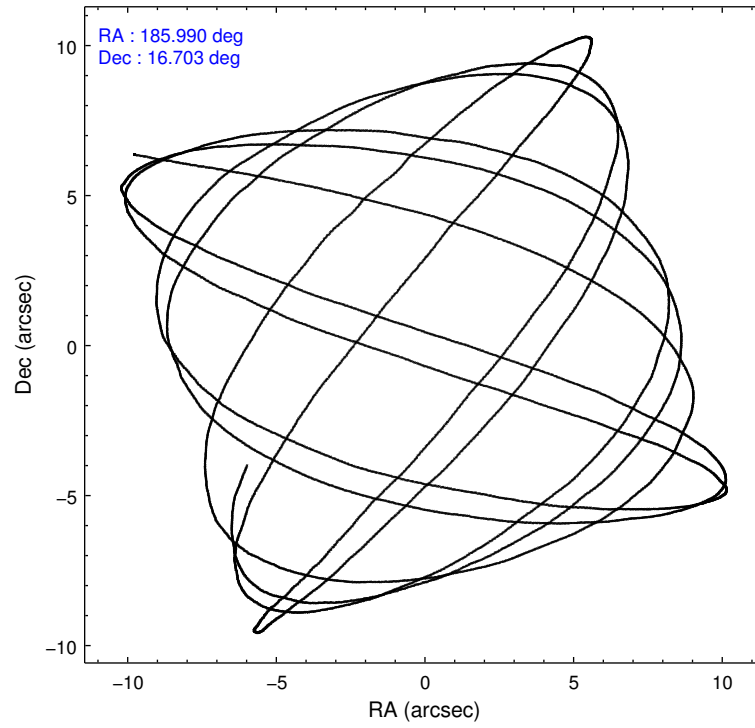
2.1.4 Events

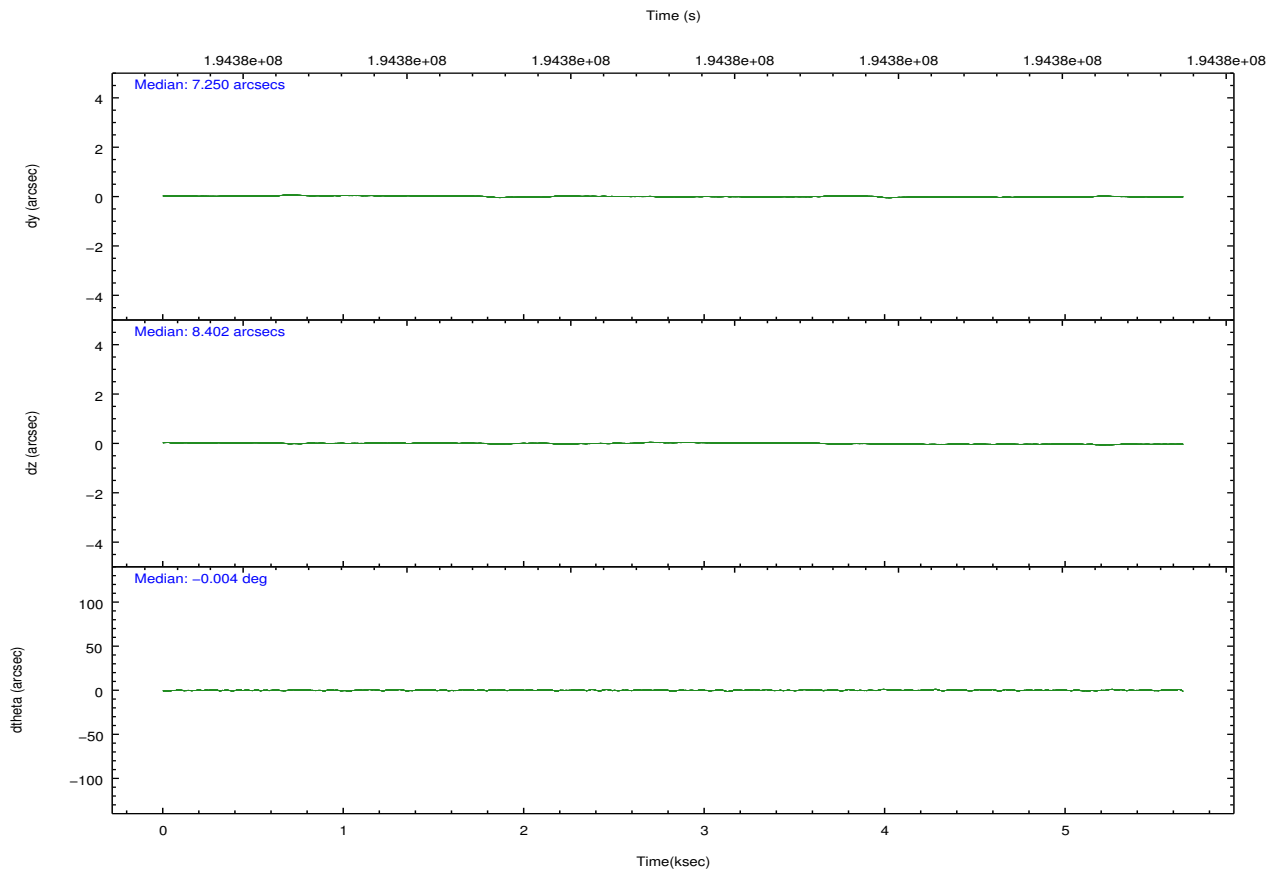
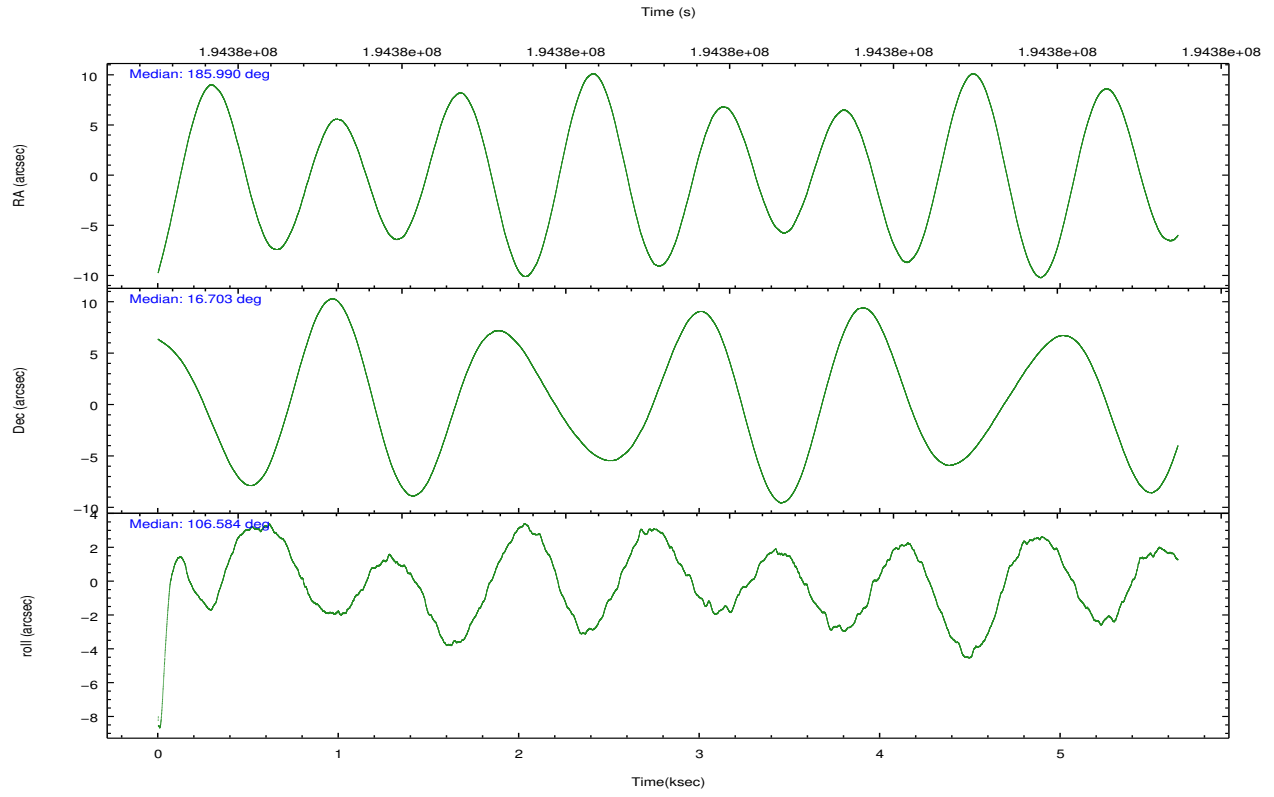
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33012	31828	55053	31256	44695	40192	grade 0 events	1721	1583	6054	1579	1681	2748
rejected events	29143	28136	28272	27199	26050	31579		5%	4%	10%	5%	3%	6%
rejected %	88%	88%	51%	87%	58%	78%	grade 1 events	22	20	236	15	40	27
								0%	0%	0%	0%	0%	0%
							grade 2 events	800	718	6909	841	3701	1937
								2%	2%	12%	2%	8%	4%
							grade 3 events	353	395	953	388	1699	844
								1%	1%	1%	1%	3%	2%
							grade 4 events	362	364	910	431	1622	840
								1%	1%	1%	1%	3%	2%
							grade 5 events	1277	1432	4163	1479	4149	1965
								3%	4%	7%	4%	9%	4%
							grade 6 events	637	639	11981	826	9971	2248
								1%	2%	21%	2%	22%	5%
							grade 7 events	27840	26677	23847	25697	21832	29583
								84%	83%	43%	82%	48%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	186.011027	185.990100599778	Subarray requested	NONE	NONE
[deg] Pointing Dec	16.684776	16.70314693434378	Alternating exposures requested	N	N
[deg] Pointing Roll	106.424599	106.5872481093426	[s] Primary exposure time	0.000000	3.2
[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)	194377454.184000	194376257.5195			
Observation start date	2004-02-28T17:43:10	2004-02-28T17:24:17			
[s] Observation end time (MET)	194382454.184000	194383534.50732			
Observation end date	2004-02-28T19:06:30	2004-02-28T19:25:34			
Read mode	TIMED	TIMED			

2.3 Aspect



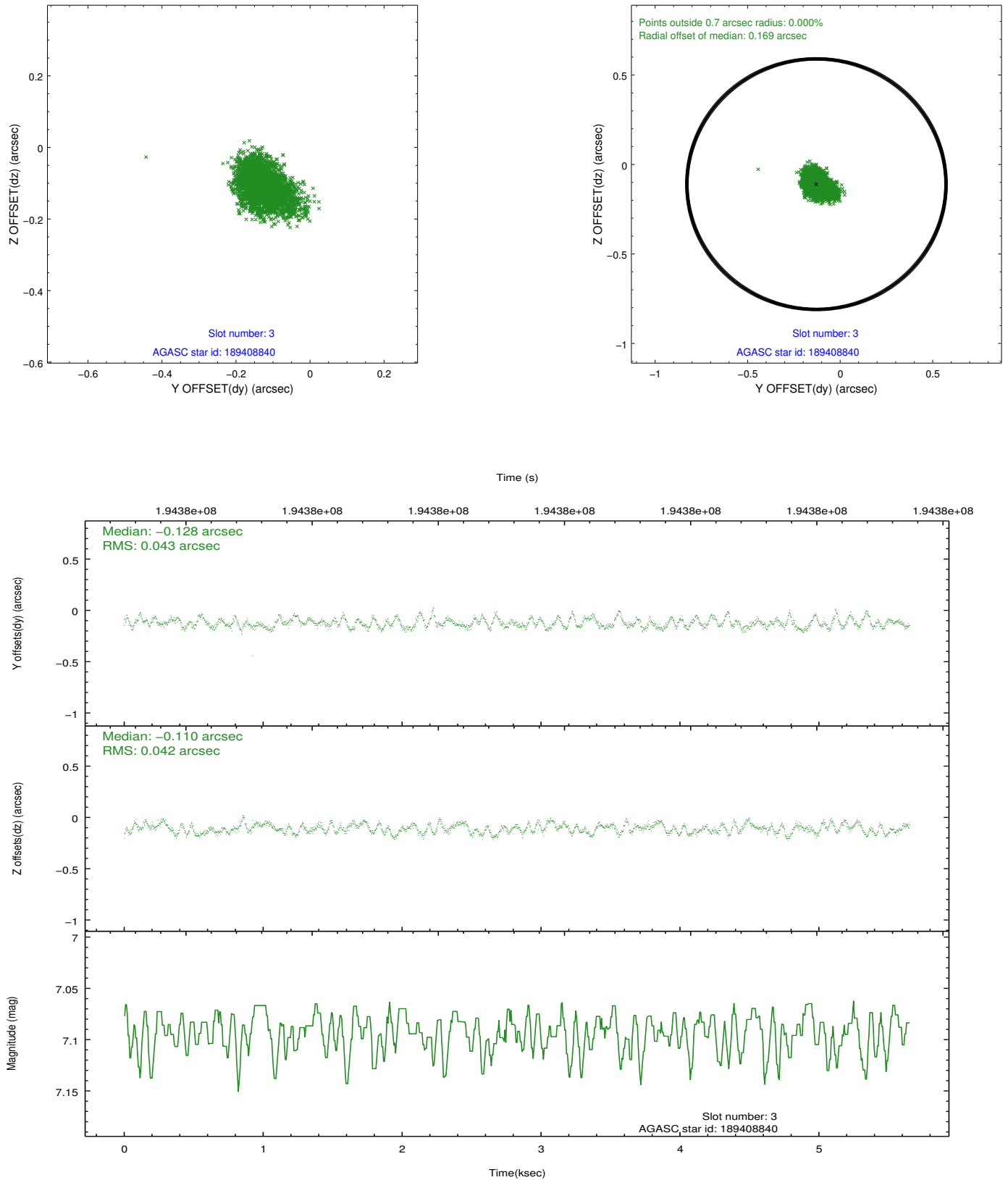


Slot Statistics

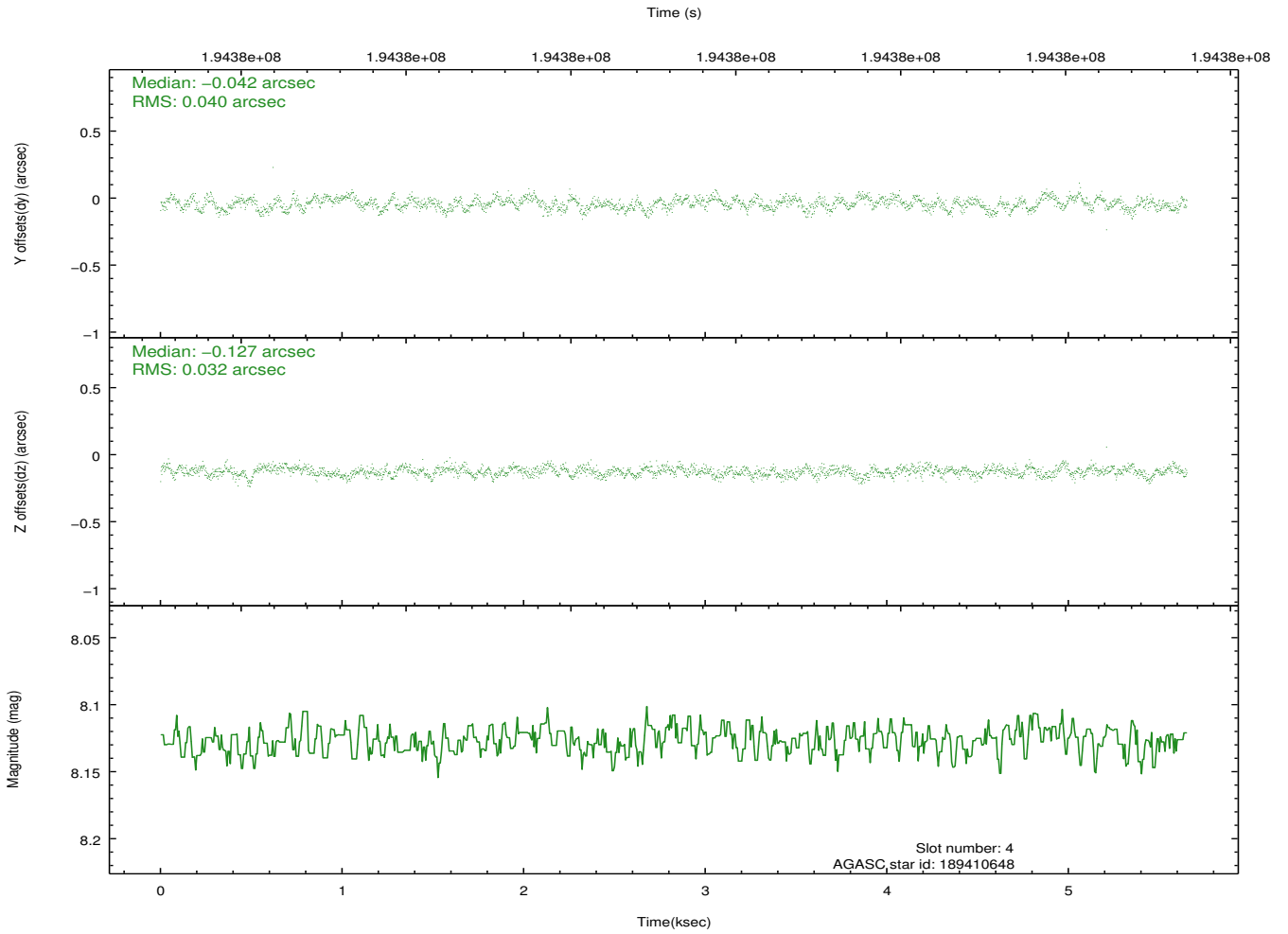
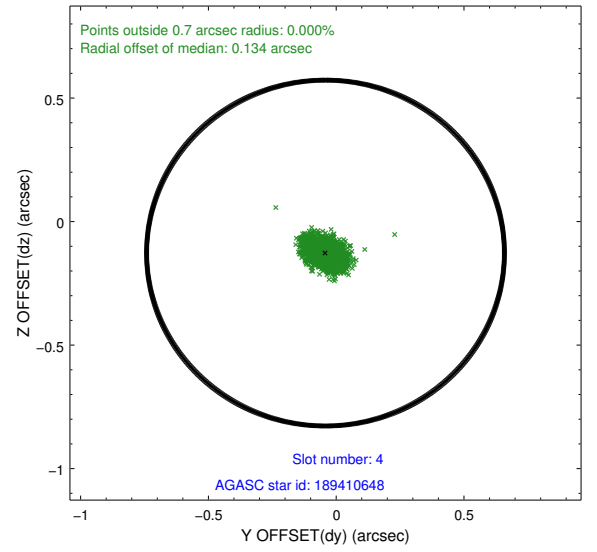
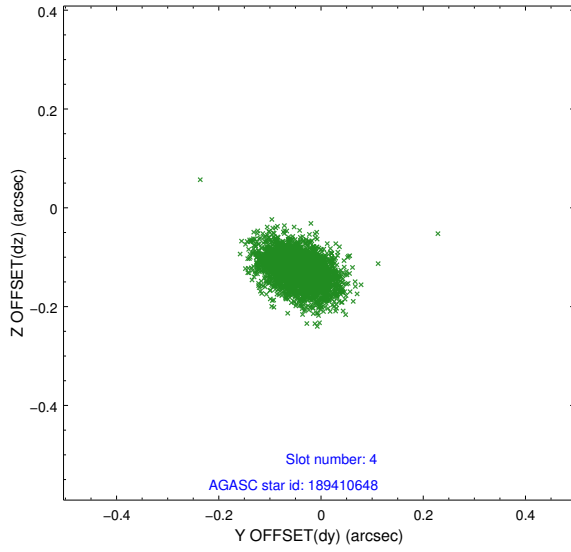
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1378	-0.016	-0.037	0.006	0.011	0.000000	0.000000	-760.03	-1729.58
1	FID	ACIS-S-4	7.21	1379	0.055	0.018	0.006	0.010	0.000000	0.000000	2152.84	177.85
2	FID	ACIS-S-5	7.23	1379	-0.071	0.029	0.006	0.011	0.000000	0.000000	-1811.56	172.76
3	GUIDE	189408840	7.09	2758	-0.128	-0.110	0.063	0.101	185.508645	16.744732	698.94	1599.86
4	GUIDE	189410648	8.13	2758	-0.042	-0.127	0.054	0.088	185.747145	16.243433	-1265.15	1324.41
5	GUIDE	189411792	7.91	2758	0.055	0.175	0.049	0.080	186.226855	16.194788	-1902.59	-216.38
6	GUIDE	189412368	9.07	2758	0.033	0.024	0.071	0.116	186.600821	16.354974	-1712.31	-1619.28
7	GUIDE	189413016	8.13	2756	0.080	0.038	0.050	0.077	186.364497	16.171398	-2117.45	-650.53

2.4 Star Slots

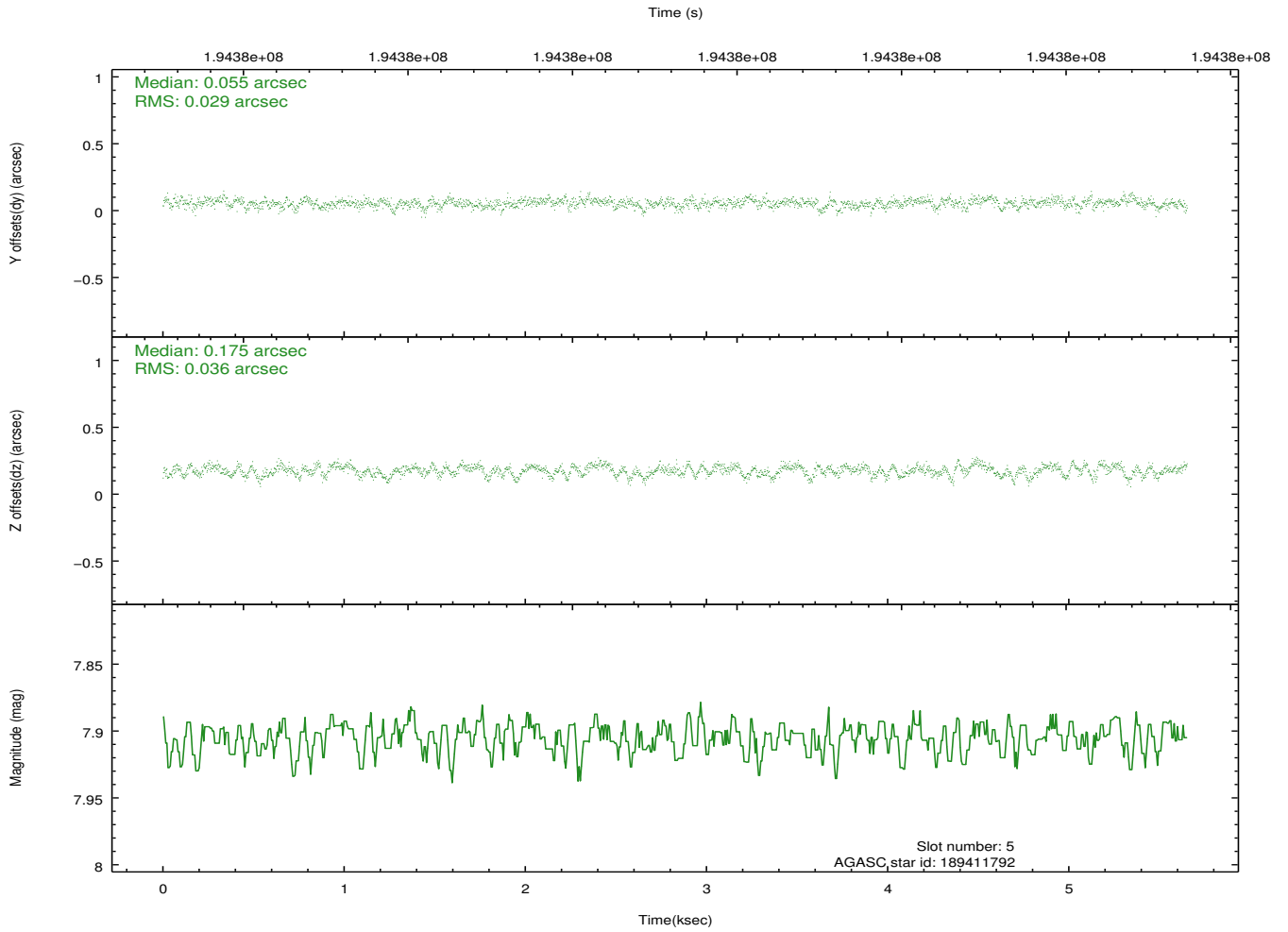
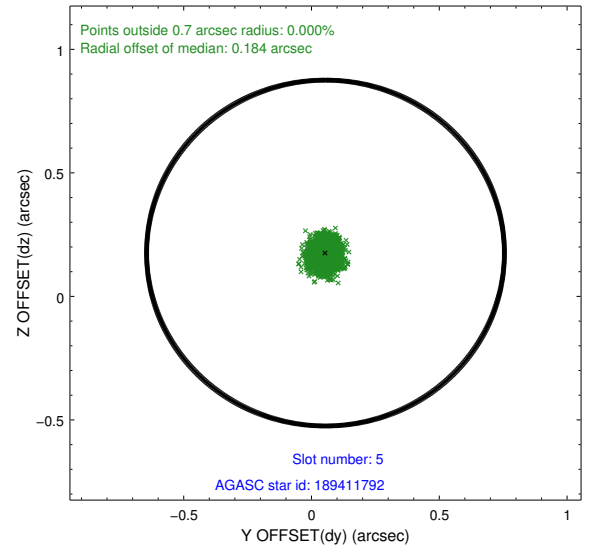
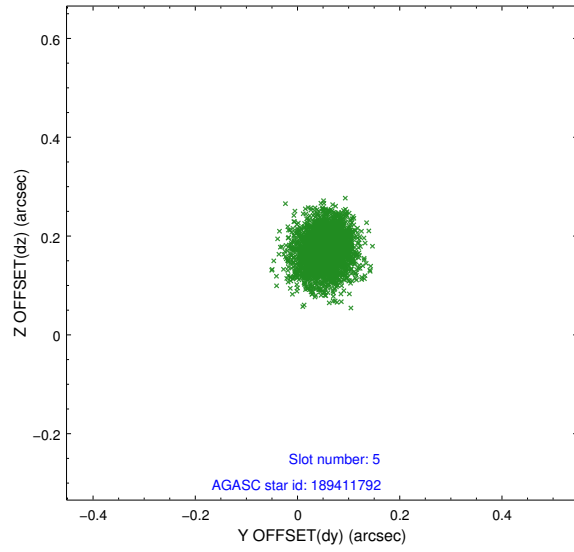
2.4.1 Slot 3



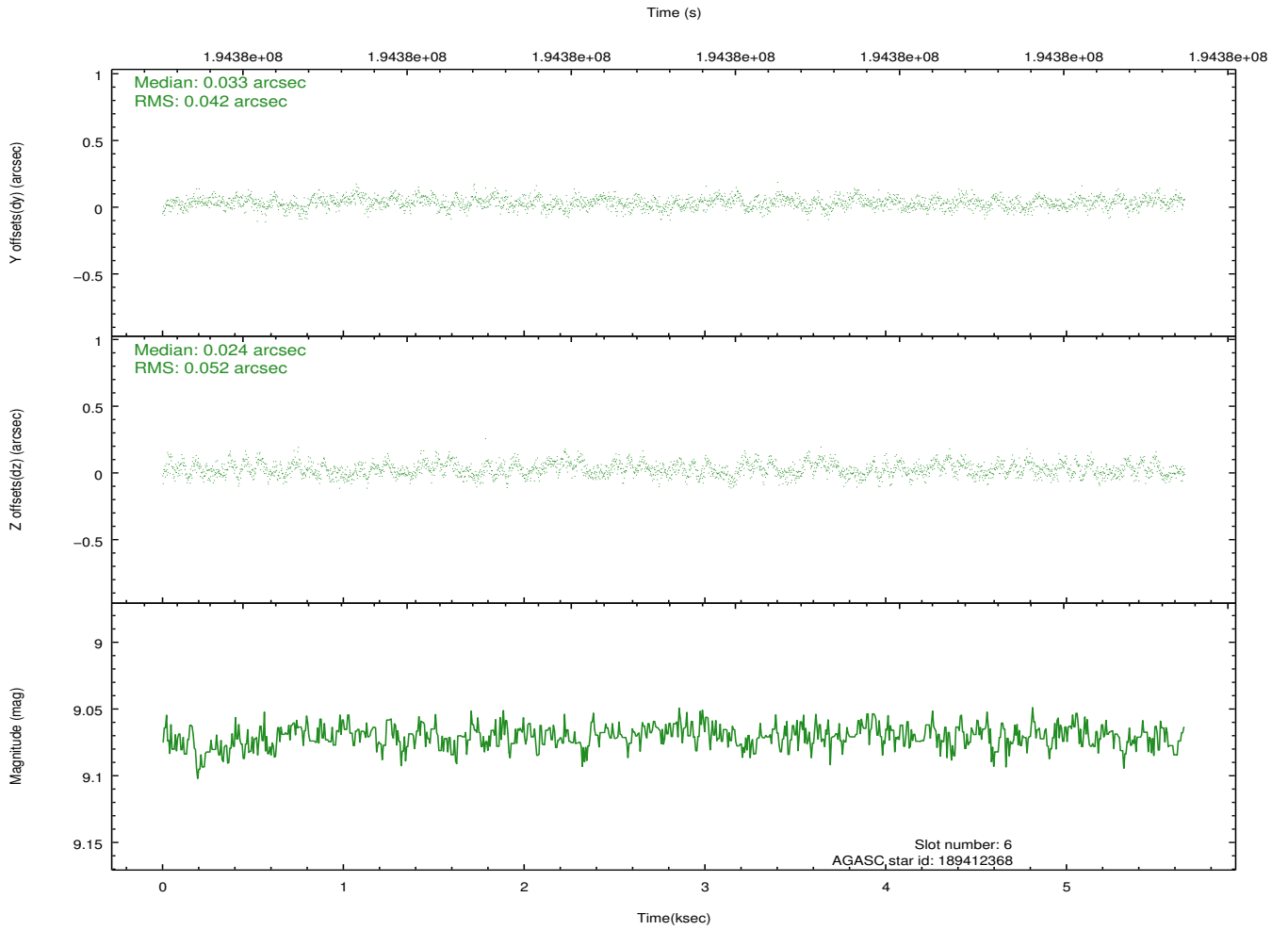
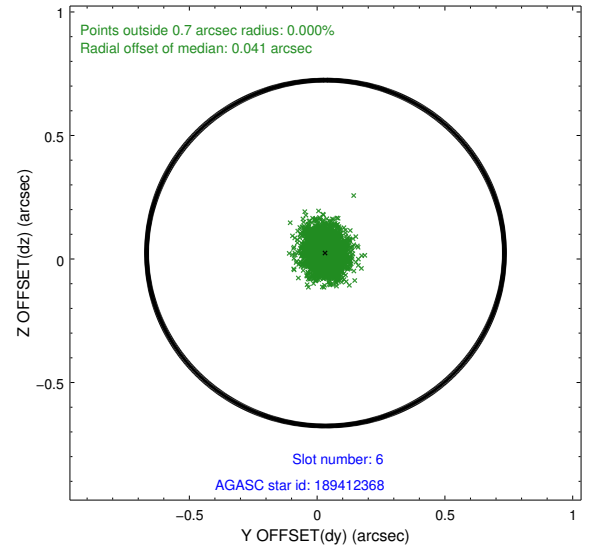
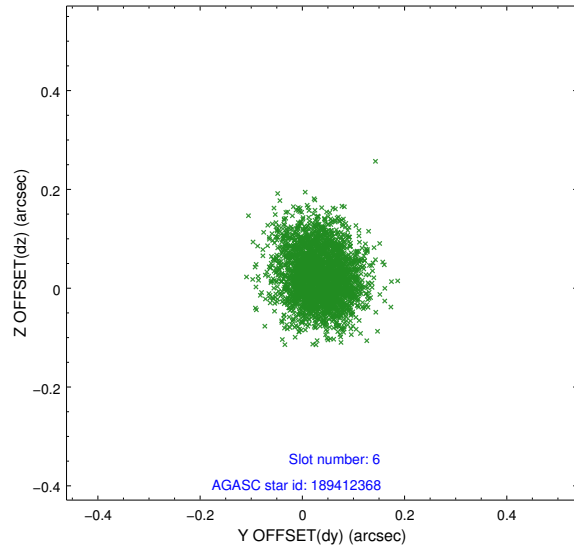
2.4.2 Slot 4



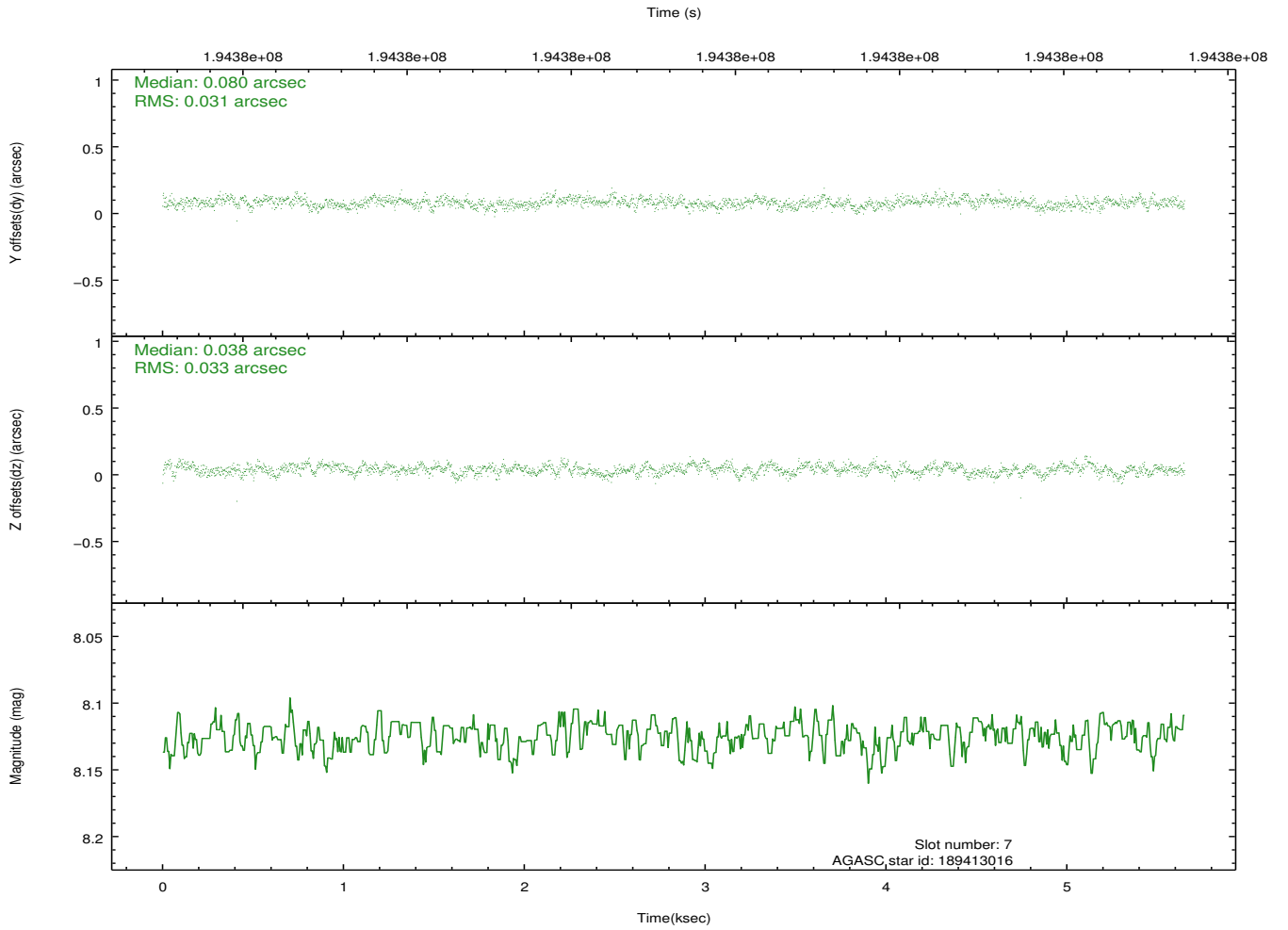
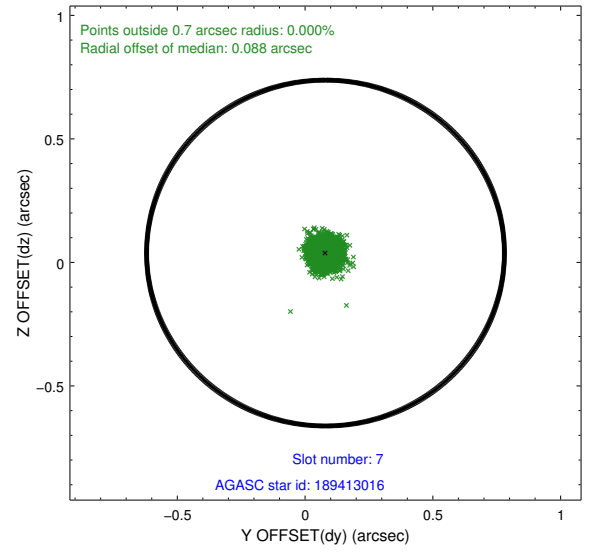
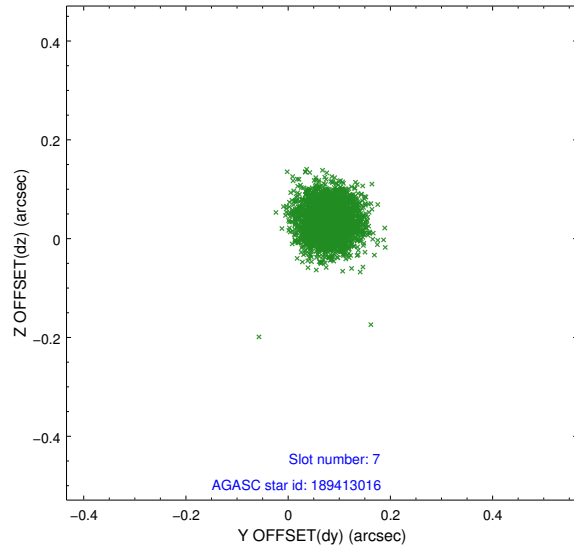
2.4.3 Slot 5



2.4.4 Slot 6

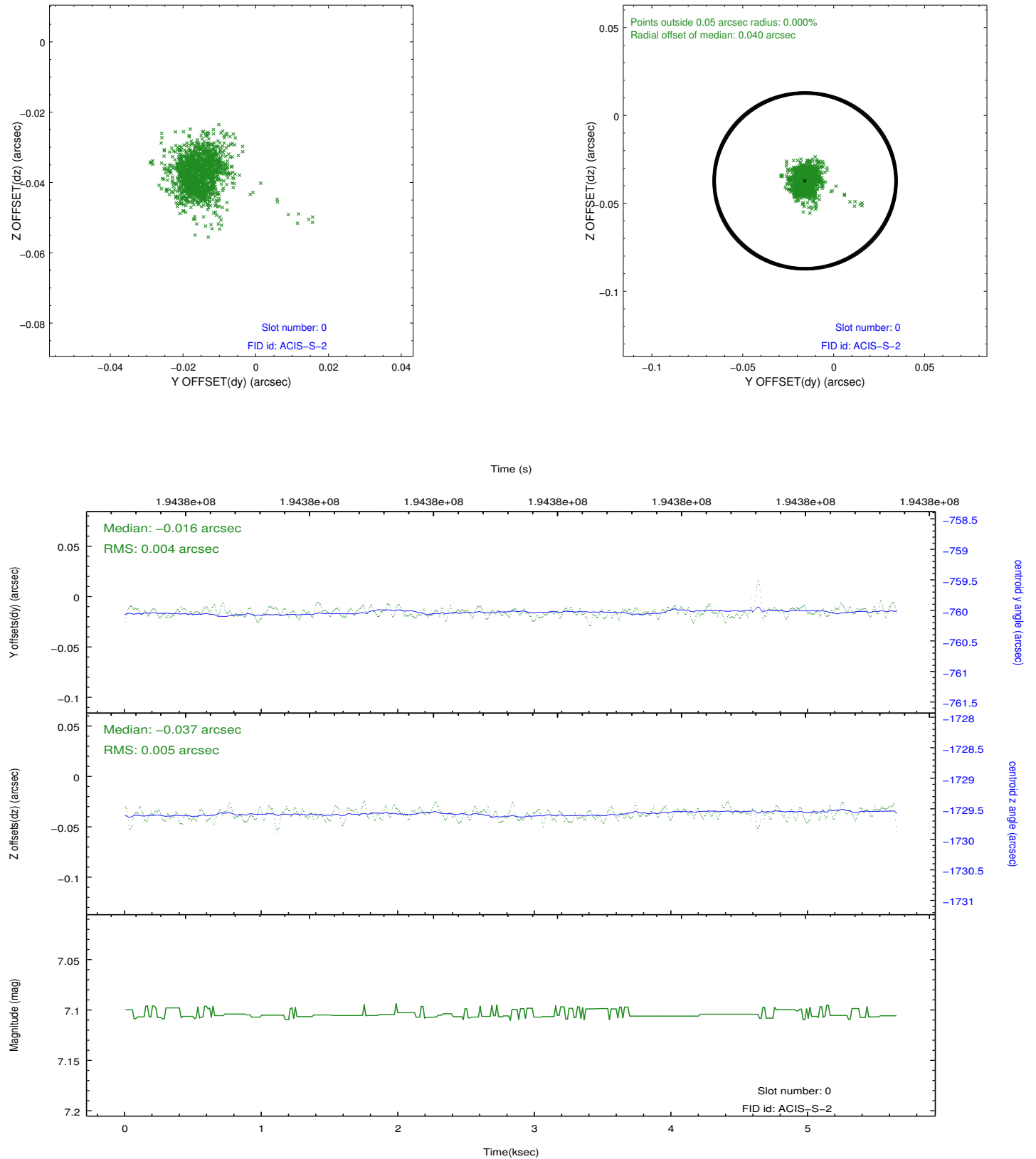


2.4.5 Slot 7

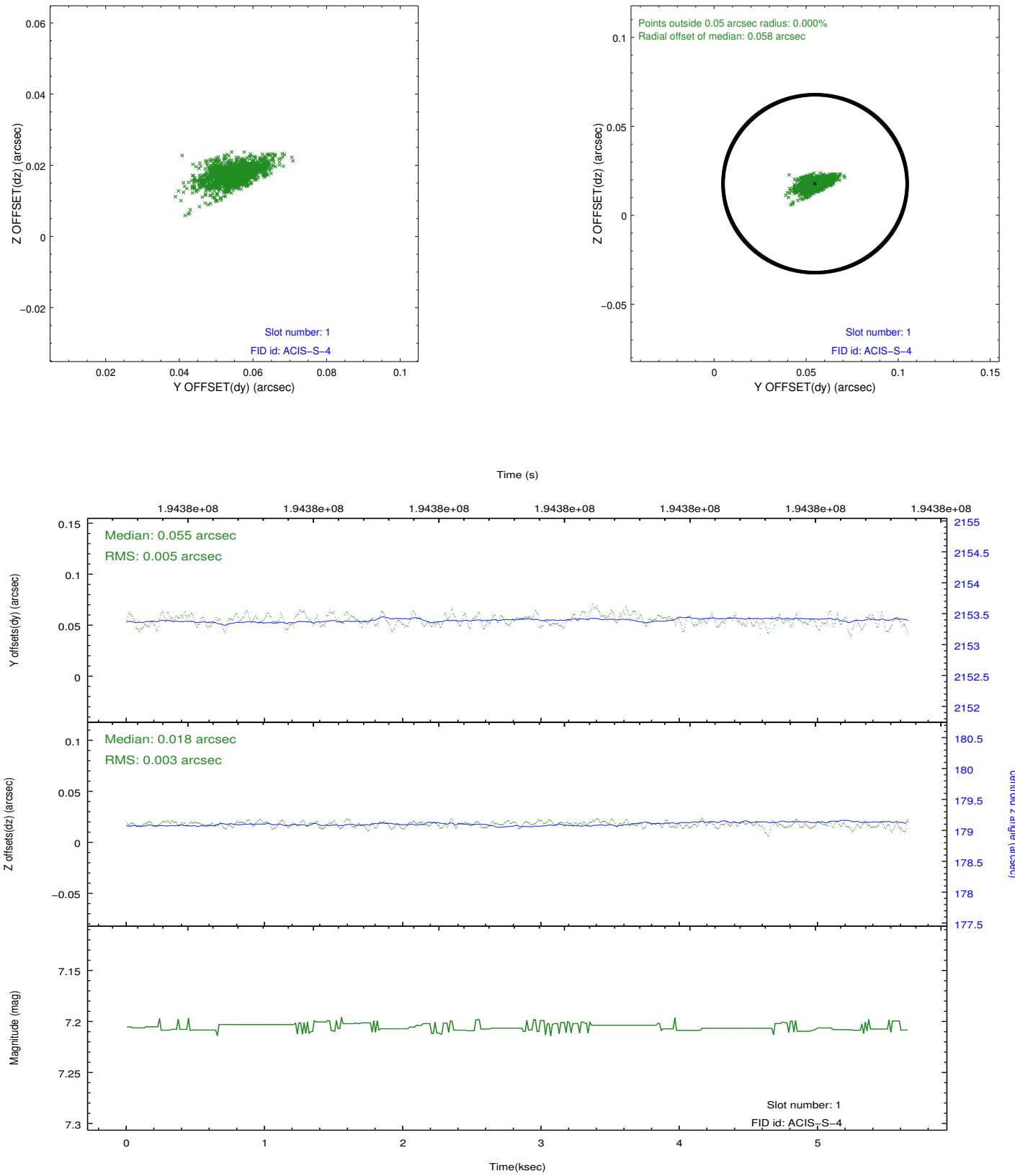


2.5 FID Slots

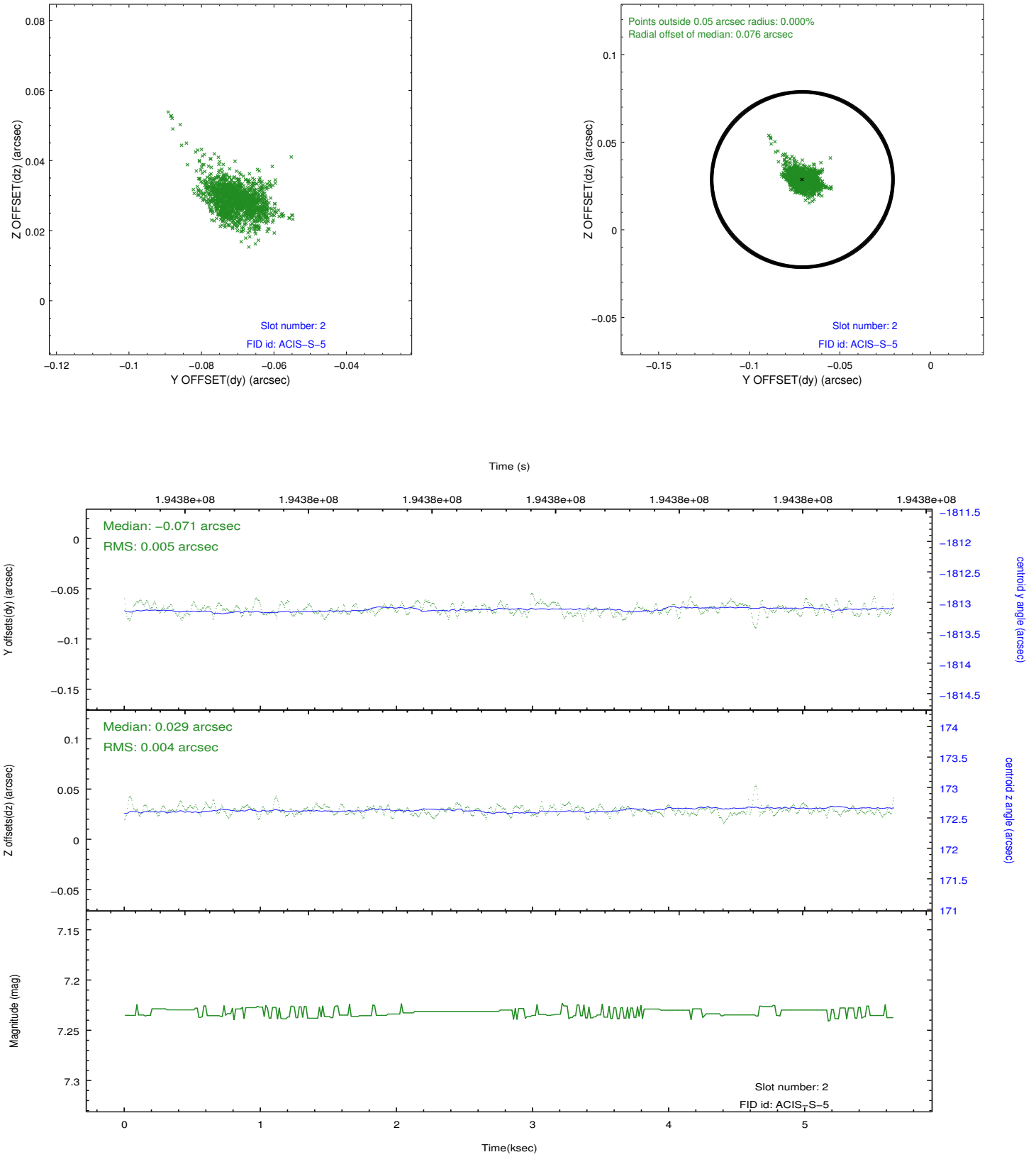
2.5.1 Slot 0



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)	2012.12.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.956

A.2 Comments