

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7084 - L2 Version 2
Chandra X-Ray Center

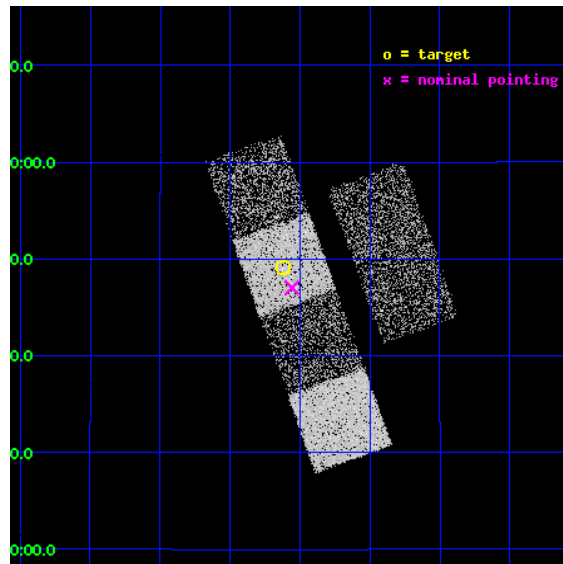
L2 Processing Date : Apr 4 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

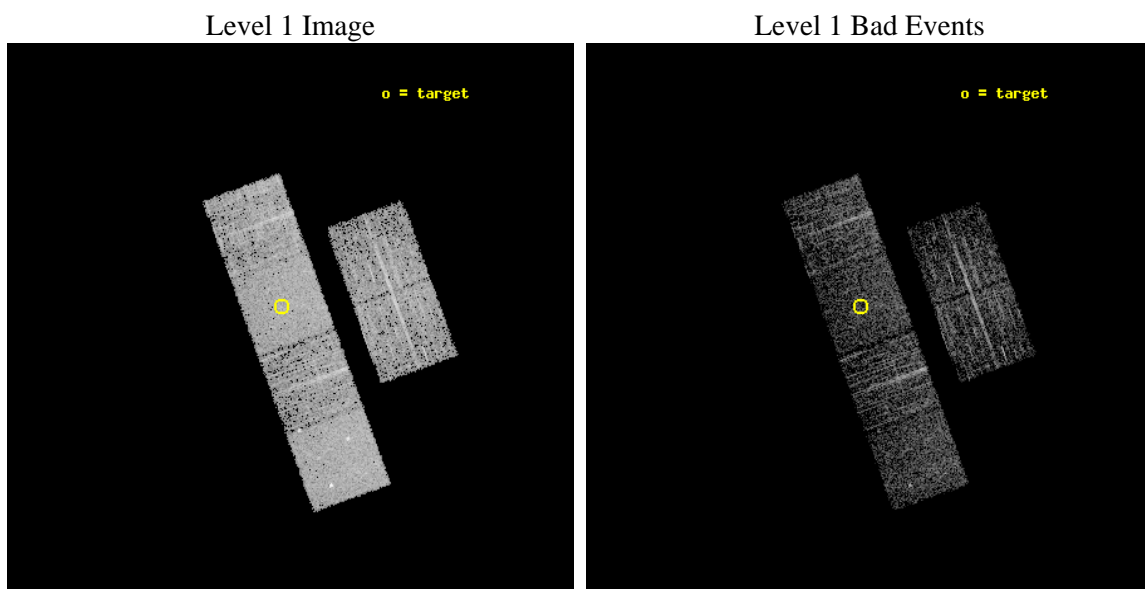
seq_num	600522	Sequence number
obs_id	7084	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 3593	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	168.654167	Observer's specified target RA [deg]
dec_targ	12.818111	Observer's specified target Dec [deg]
ra_nom	168.63943791348	Nominal RA [deg]
dec_nom	12.783774048433	Nominal Dec [deg]
roll_nom	250.08000215937	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1951.5308866799	Sum of GTIs [s]
livetime	1926.8194275219	Livetime [s]
ontime2	1951.5719266832	Sum of GTIs [s]
ontime3	1951.40776667	Sum of GTIs [s]
ontime5	1951.4898466766	Sum of GTIs [s]
ontime6	1951.4488066733	Sum of GTIs [s]
ontime7	1951.5308866799	Sum of GTIs [s]
ontime8	1951.3667266965	Sum of GTIs [s]
l2events	28983	Number of level 2 events



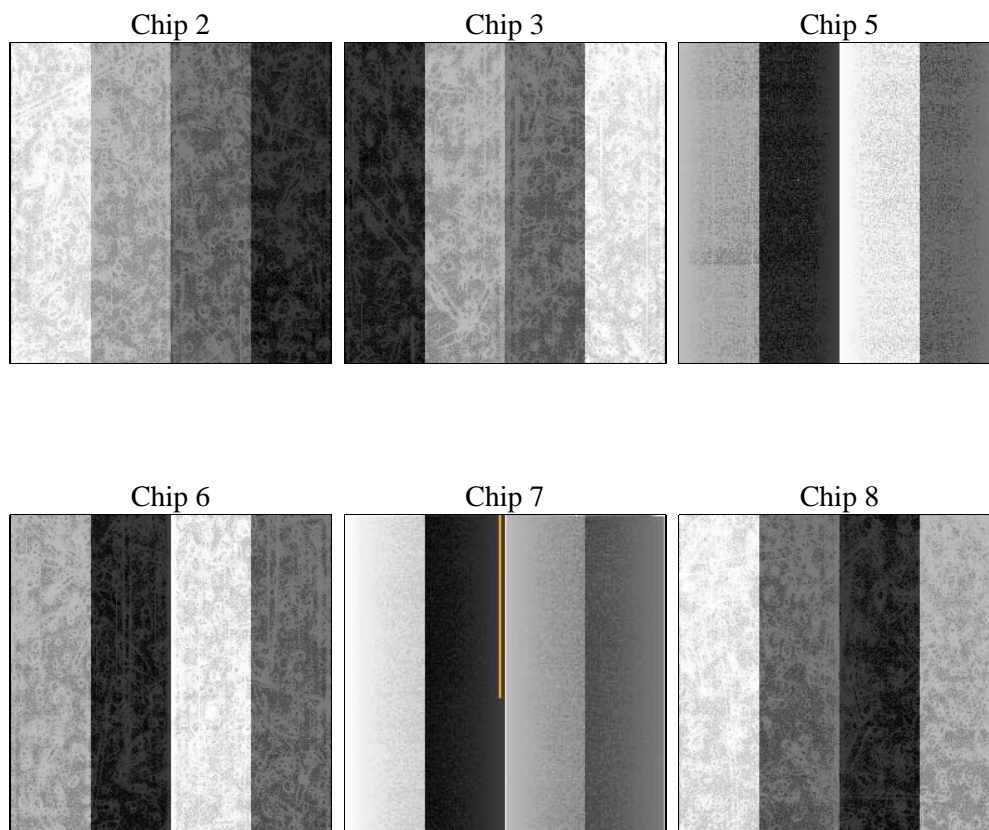
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	1951.5308866799	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1951.5719266832	Sum of GTIs [s]
date	2012-04-04T05:18:50	Date and time of file creation	ontime3	1951.40776667	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	1951.4898466766	Sum of GTIs [s]
			ontime6	1951.4488066733	Sum of GTIs [s]
			ontime7	1951.5308866799	Sum of GTIs [s]
			ontime8	1951.3667266965	Sum of GTIs [s]
			l1events	127468	Number of level 1 events

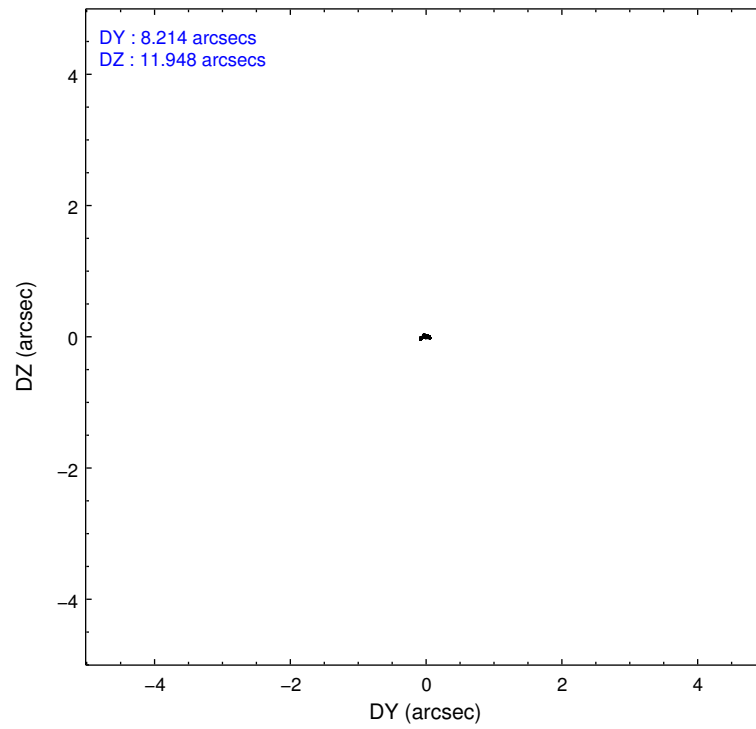
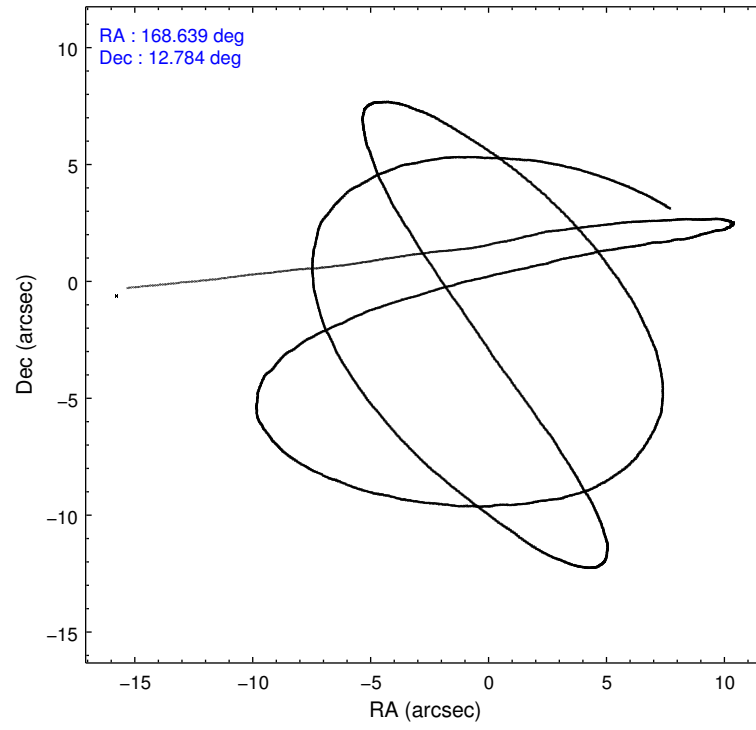
2.1.4 Events

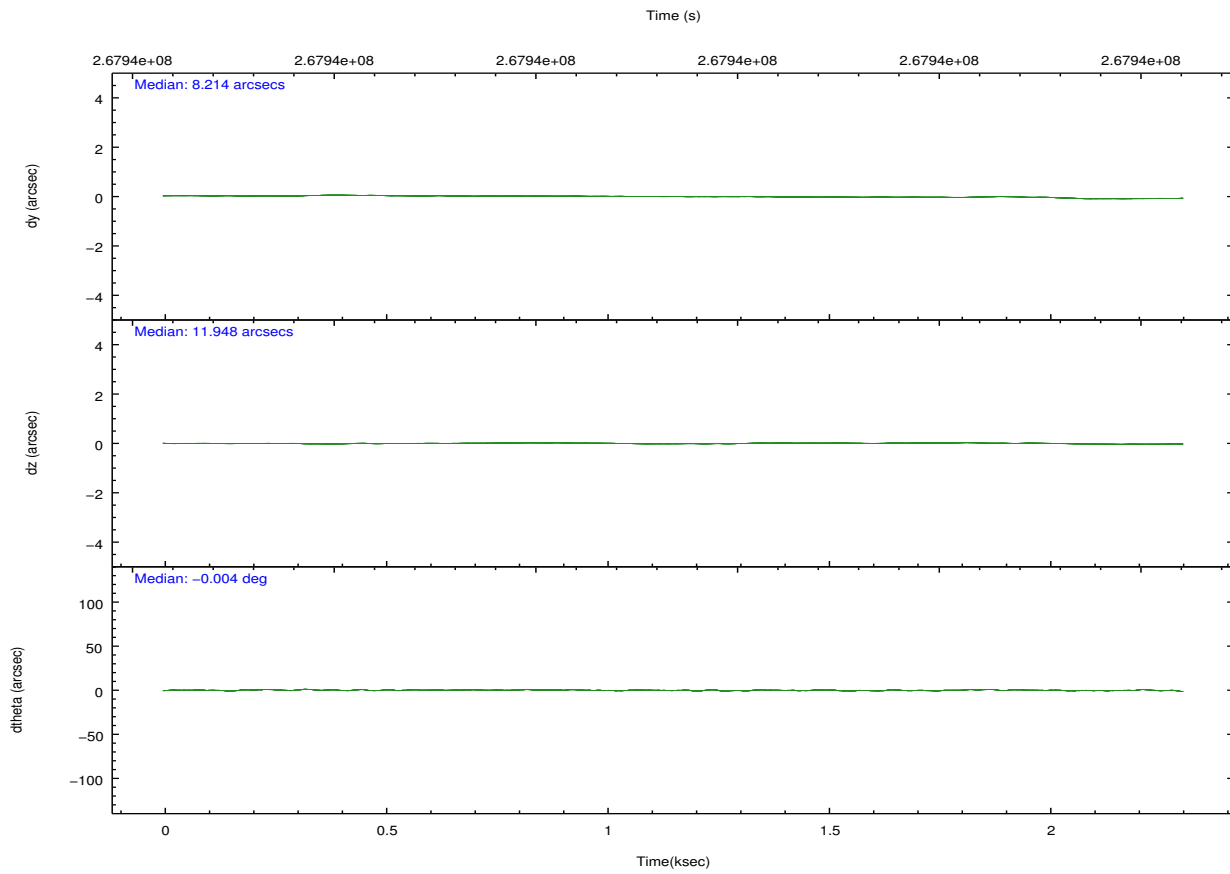
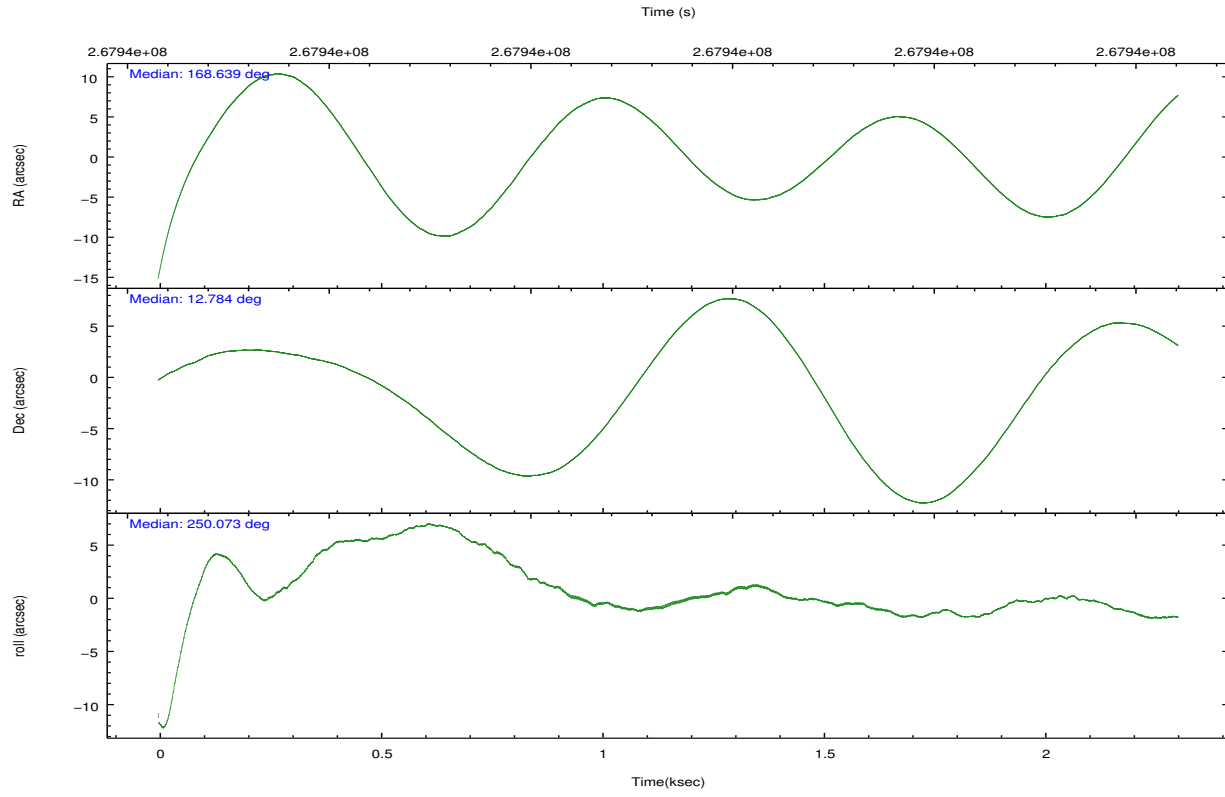
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	18756	16681	27417	18240	24086	22288	grade 0 events	930	930	1504	771	921	1549
rejected events	16624	14595	14678	16218	14040	17465		4%	5%	5%	4%	3%	6%
rejected %	88%	87%	53%	88%	58%	78%	grade 1 events	14	11	160	12	21	18
								0%	0%	0%	0%	0%	0%
							grade 2 events	440	421	3762	434	2075	1044
								2%	2%	13%	2%	8%	4%
							grade 3 events	209	202	444	203	874	491
								1%	1%	1%	1%	3%	2%
							grade 4 events	215	166	483	193	847	481
								1%	0%	1%	1%	3%	2%
							grade 5 events	673	755	1854	836	2236	1117
								3%	4%	6%	4%	9%	5%
							grade 6 events	342	374	6590	425	5355	1269
								1%	2%	24%	2%	22%	5%
							grade 7 events	15933	13822	12620	15366	11757	16319
								84%	82%	46%	84%	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	168.634152	168.6394379134836	Subarray requested	NONE	NONE
[deg] Pointing Dec	12.810342	12.7837740484327	Alternating exposures requested	N	N
[deg] Pointing Roll	249.924661	250.0800021593685	[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)	267942986.184000	267941801.84918			
Observation start date	2006-06-29T04:35:21	2006-06-29T04:16:41			
[s] Observation end time (MET)	267944986.184000	267946105.31189			
Observation end date	2006-06-29T05:08:41	2006-06-29T05:28:25			
Read mode	TIMED	TIMED			

2.3 Aspect



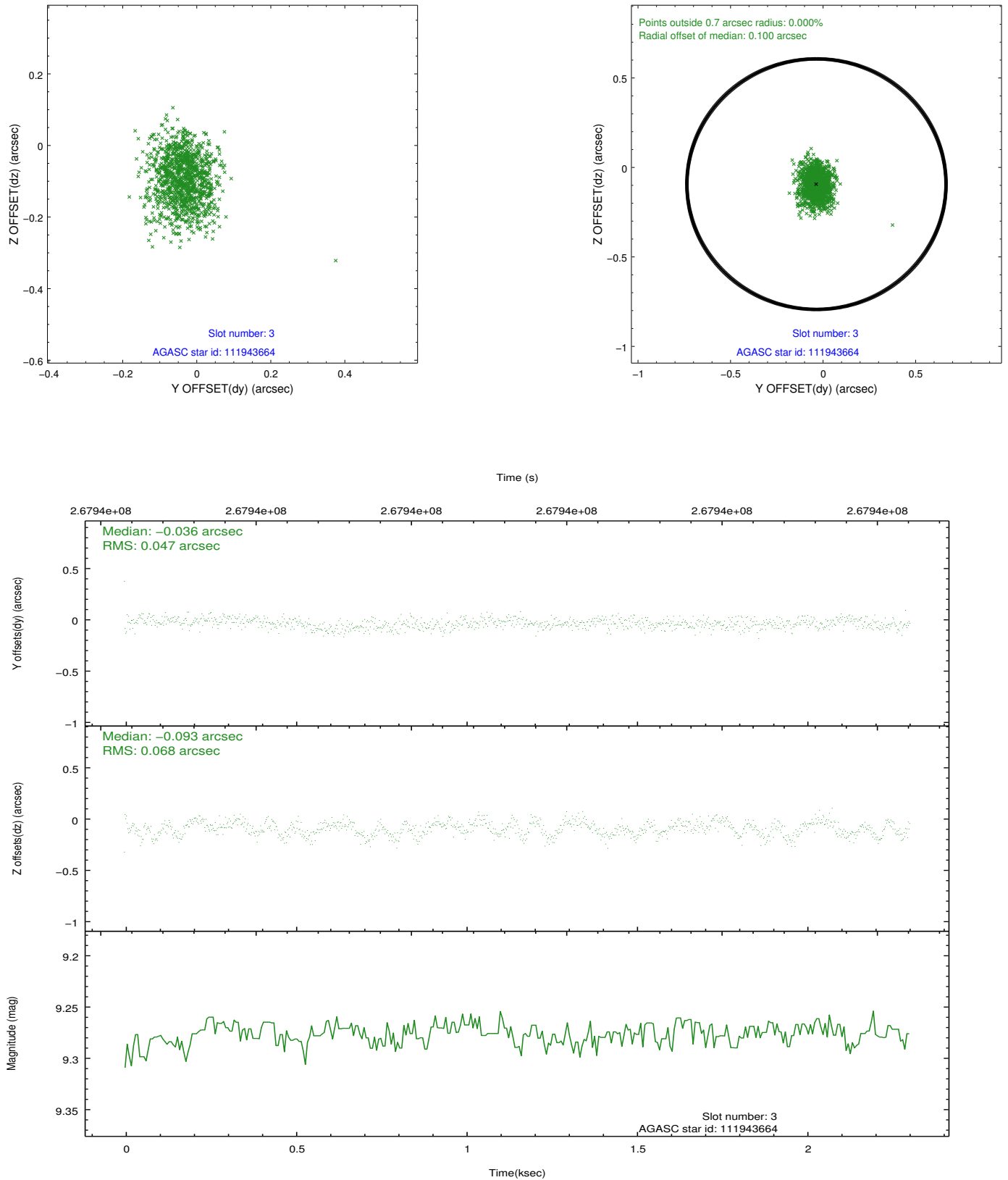


Slot Statistics

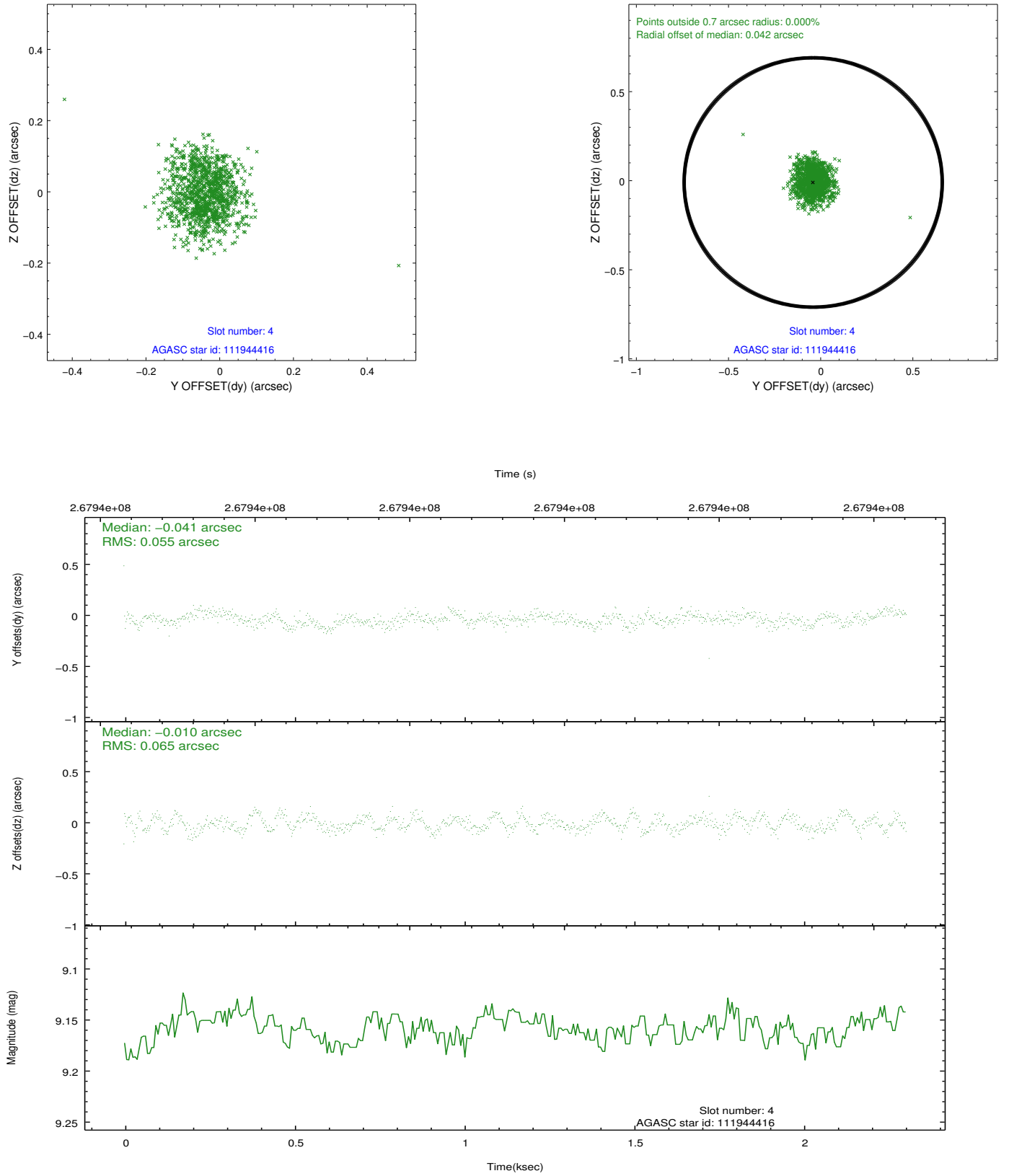
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	562	-0.022	-0.034	0.006	0.011	0.000000	0.000000	-761.01	-1733.23
1	FID	ACIS-S-4	7.21	562	0.122	0.020	0.006	0.011	0.000000	0.000000	2151.12	172.39
2	FID	ACIS-S-5	7.23	562	-0.131	0.023	0.008	0.012	0.000000	0.000000	-1810.34	169.27
3	GUIDE	111943664	9.28	1125	-0.036	-0.093	0.086	0.142	168.455104	13.231647	-1208.31	-1109.99
4	GUIDE	111944416	9.16	1125	-0.041	-0.010	0.089	0.139	168.281221	13.248301	-1057.17	-1703.87
5	GUIDE	112460024	8.41	1125	-0.011	0.134	0.101	0.149	169.148778	12.462466	553.01	2126.58
6	GUIDE	112862248	6.96	1125	-0.034	0.076	0.057	0.092	168.990845	12.844801	-545.42	1135.20
7	GUIDE	112862712	8.20	1124	0.126	-0.114	0.067	0.108	168.674886	12.622349	587.03	367.81

2.4 Star Slots

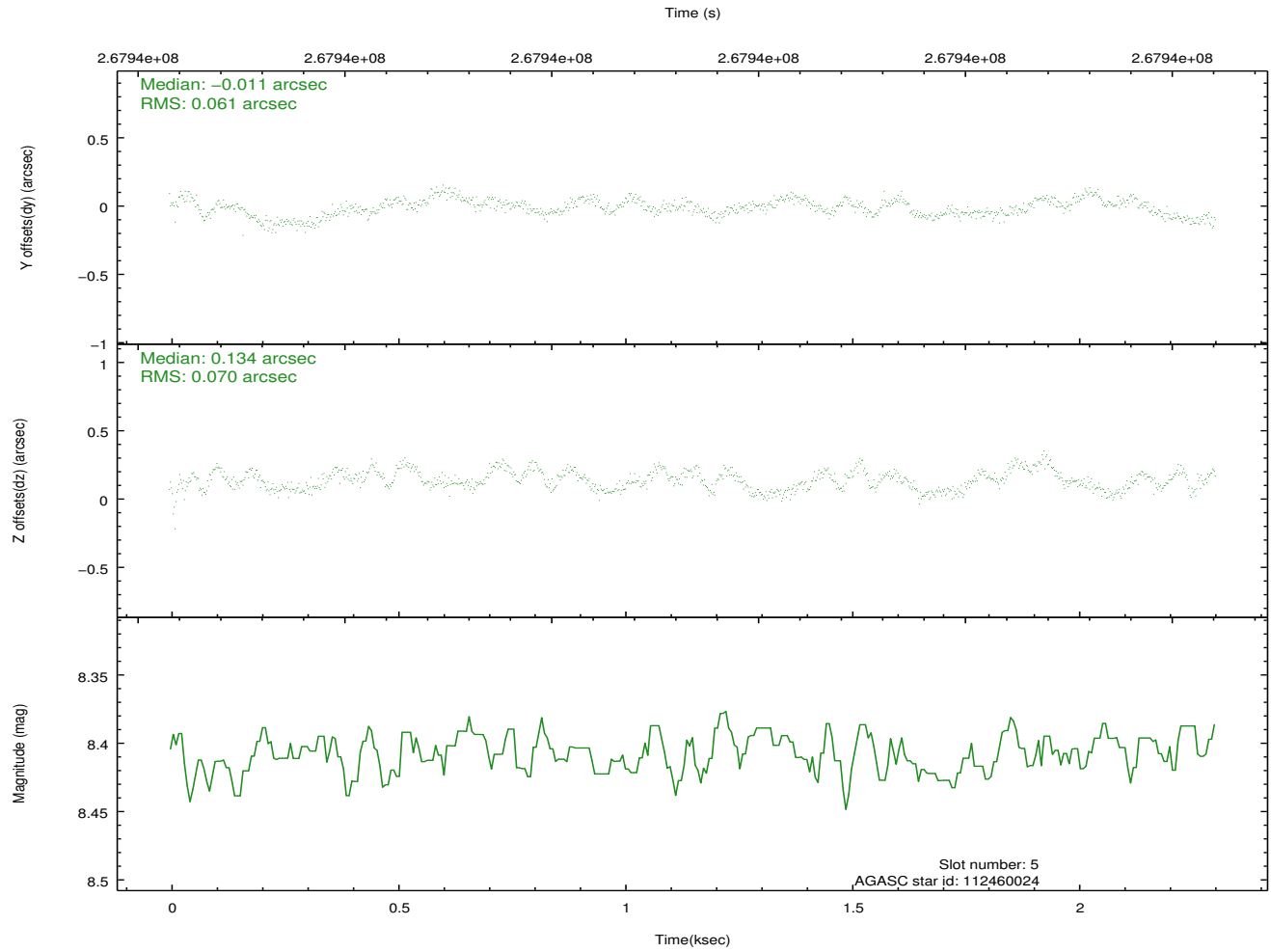
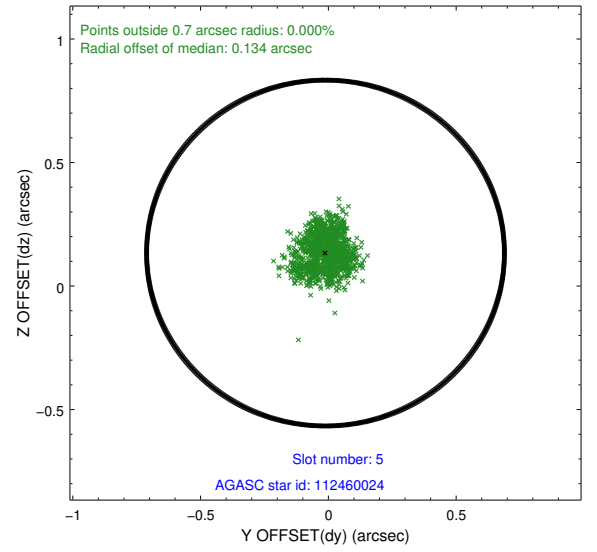
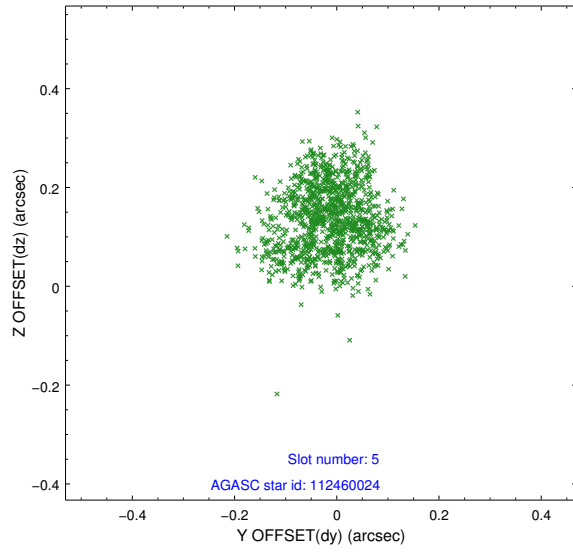
2.4.1 Slot 3



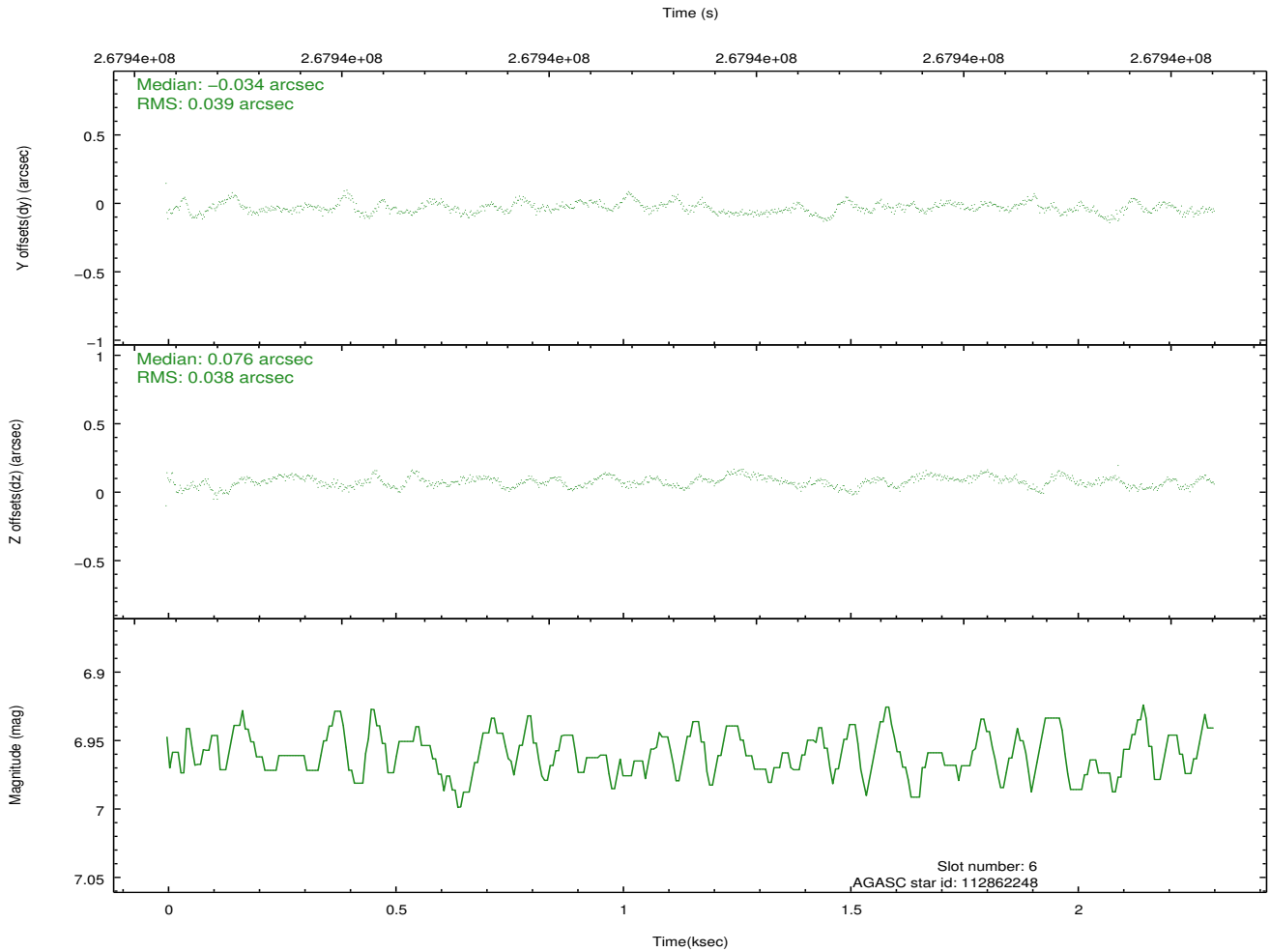
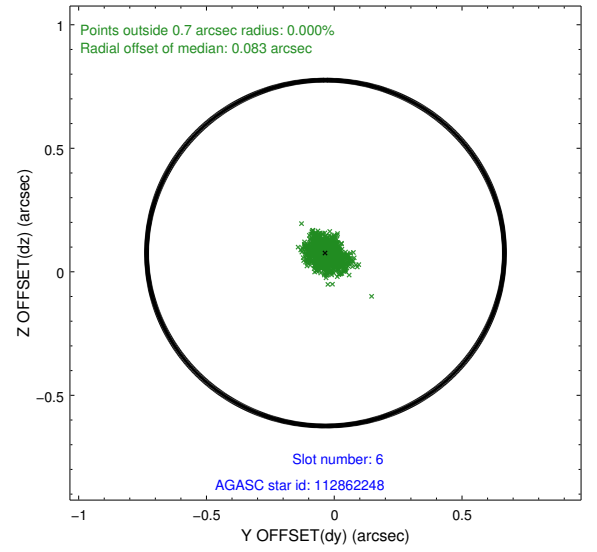
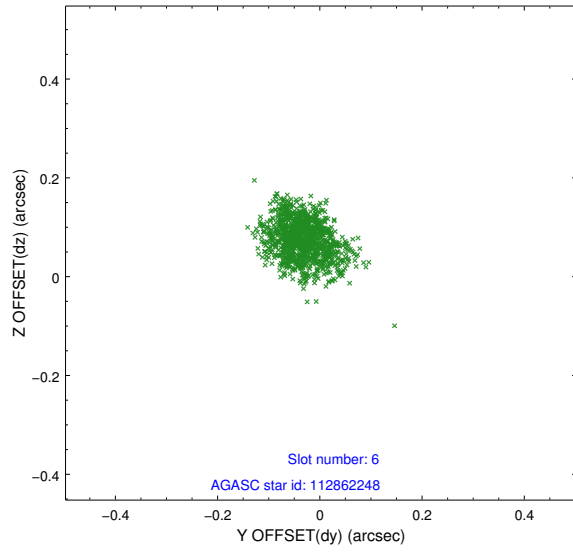
2.4.2 Slot 4



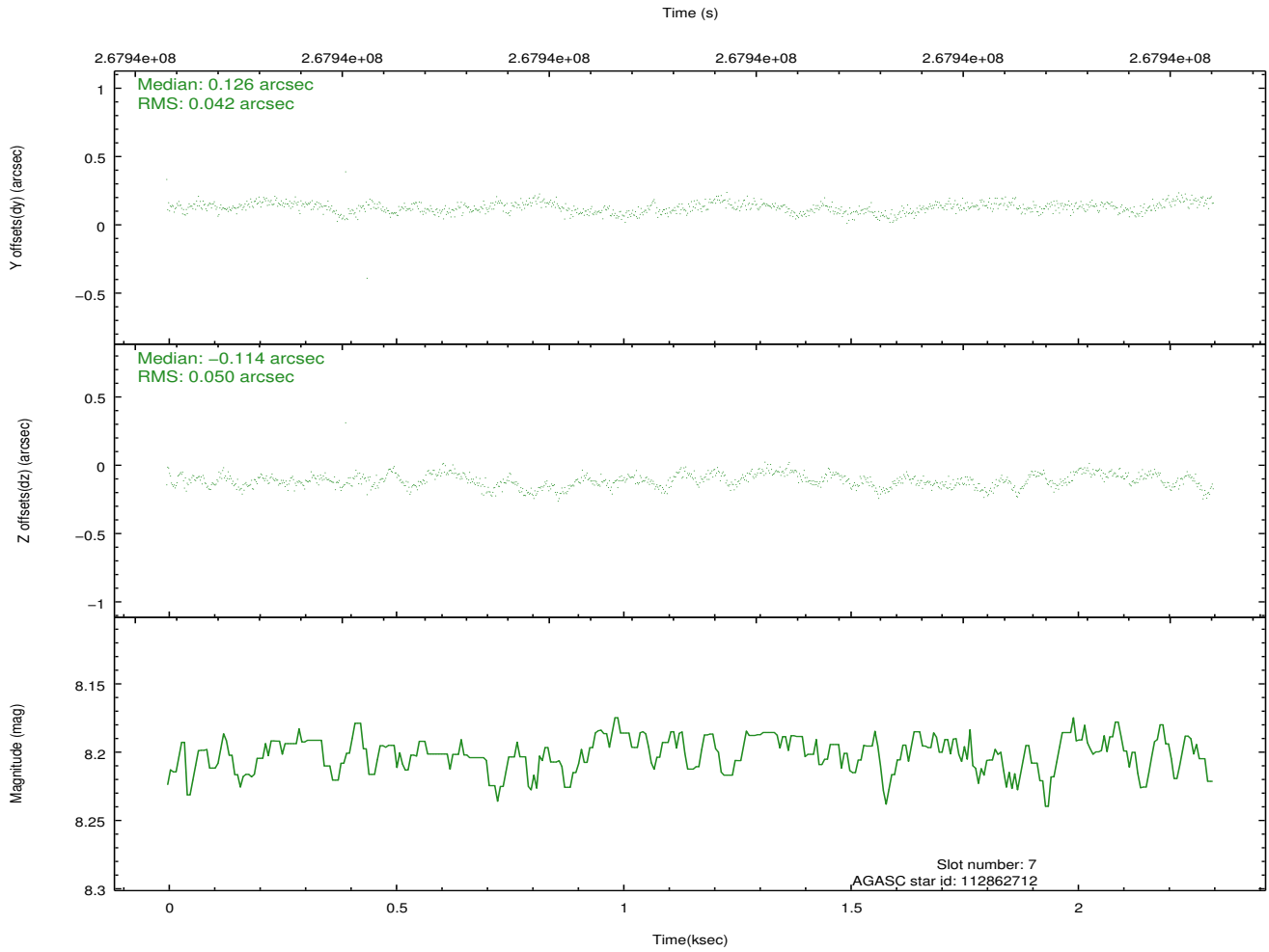
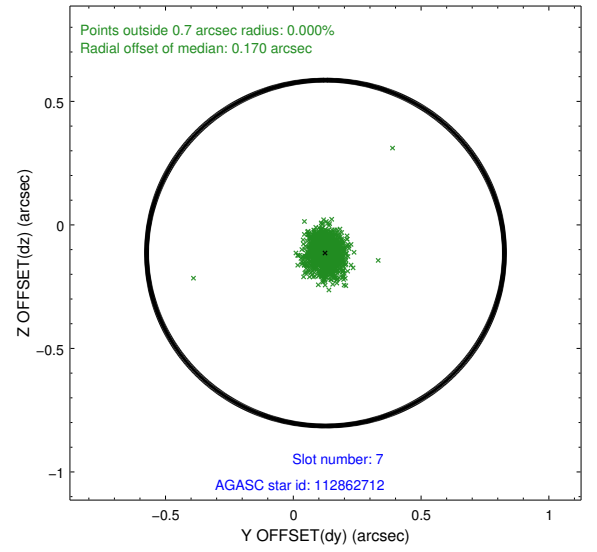
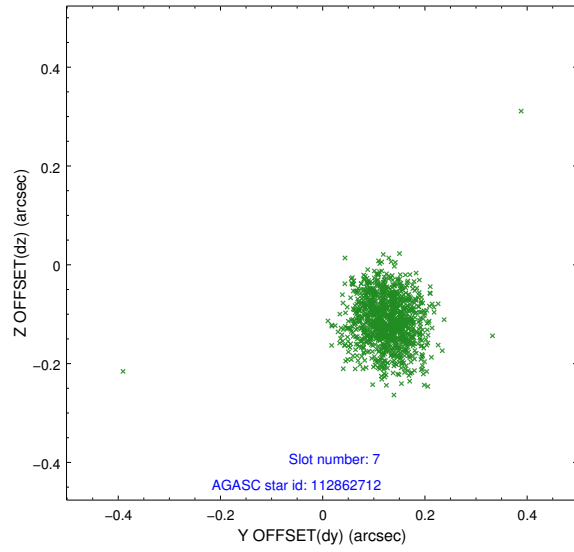
2.4.3 Slot 5



2.4.4 Slot 6

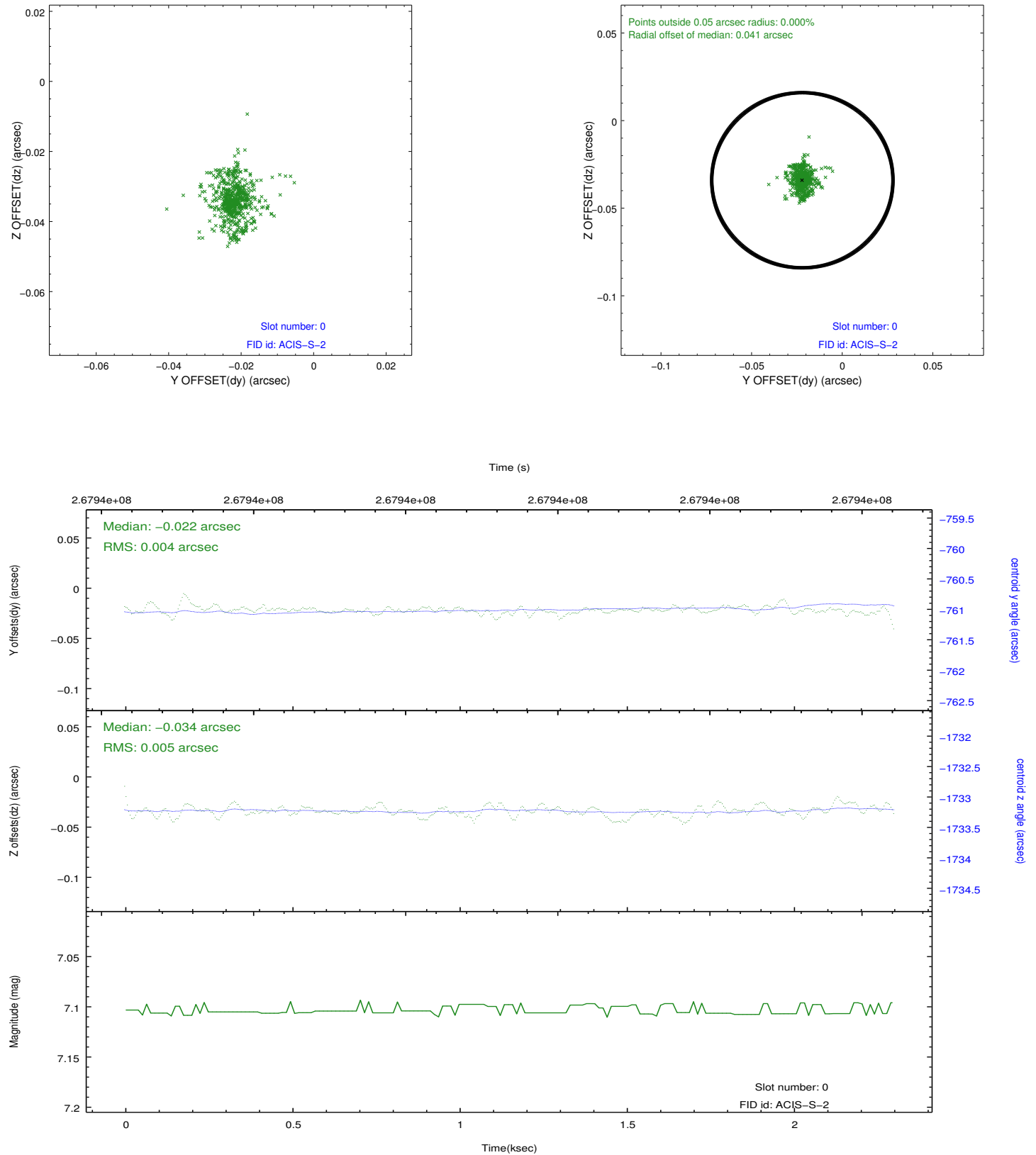


2.4.5 Slot 7

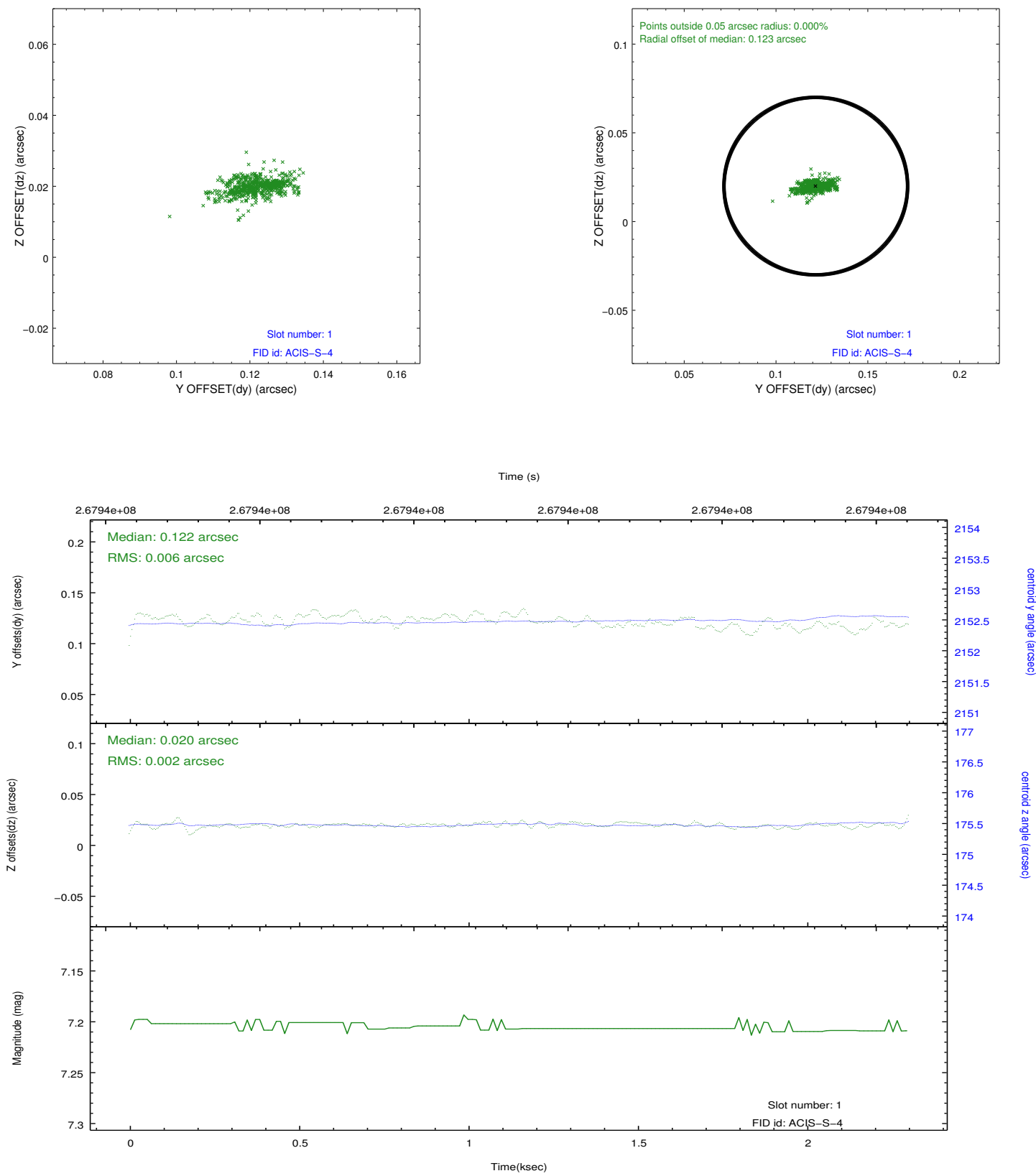


2.5 FID Slots

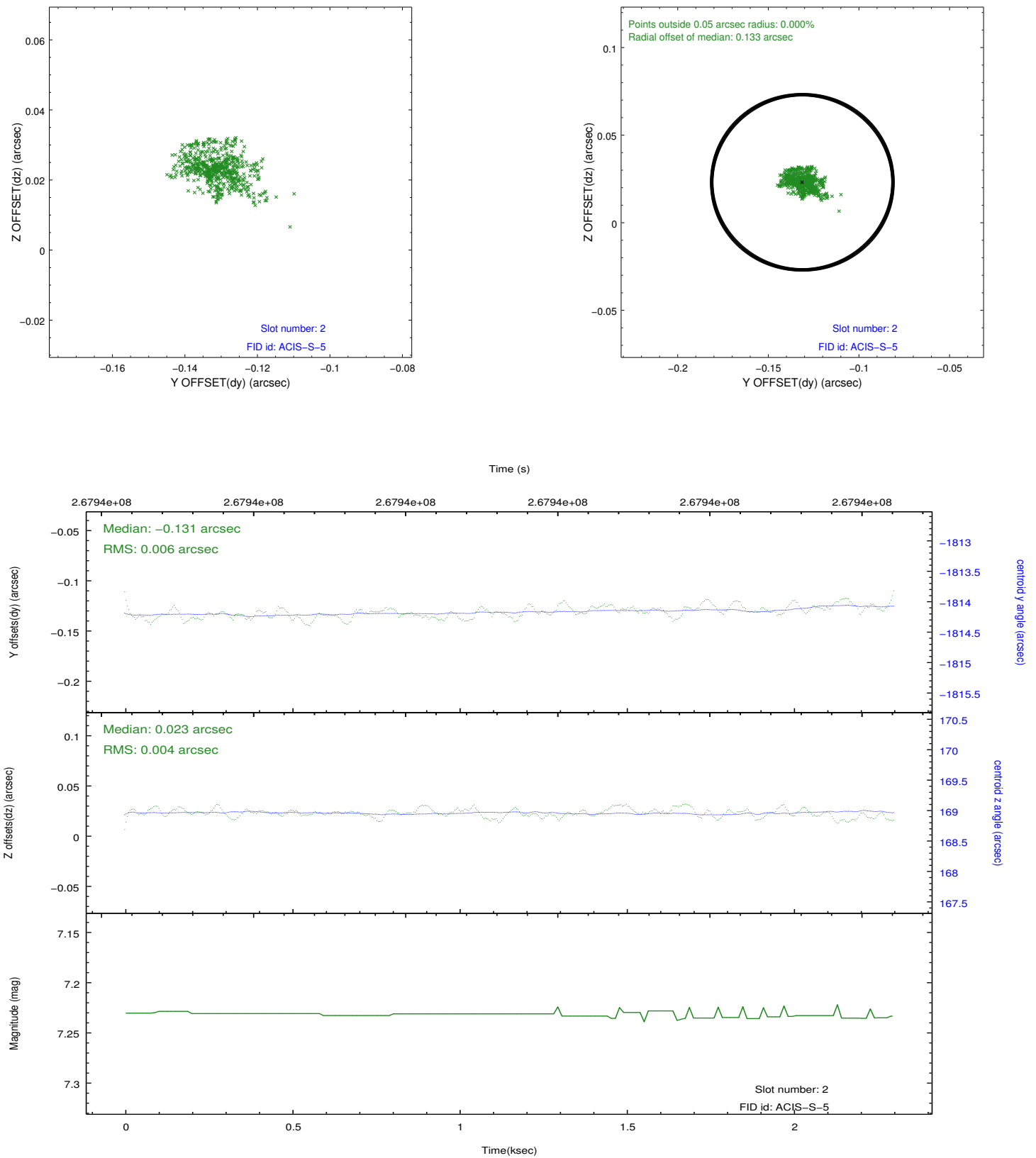
2.5.1 Slot 0



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)	2012.04.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.95199999

A.2 Comments