

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9307 - L2 Version 2
Chandra X-Ray Center

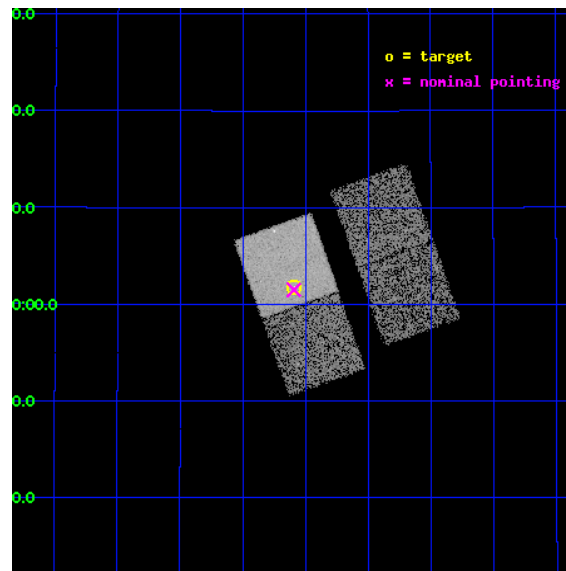
L2 Processing Date : May 12 2012

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

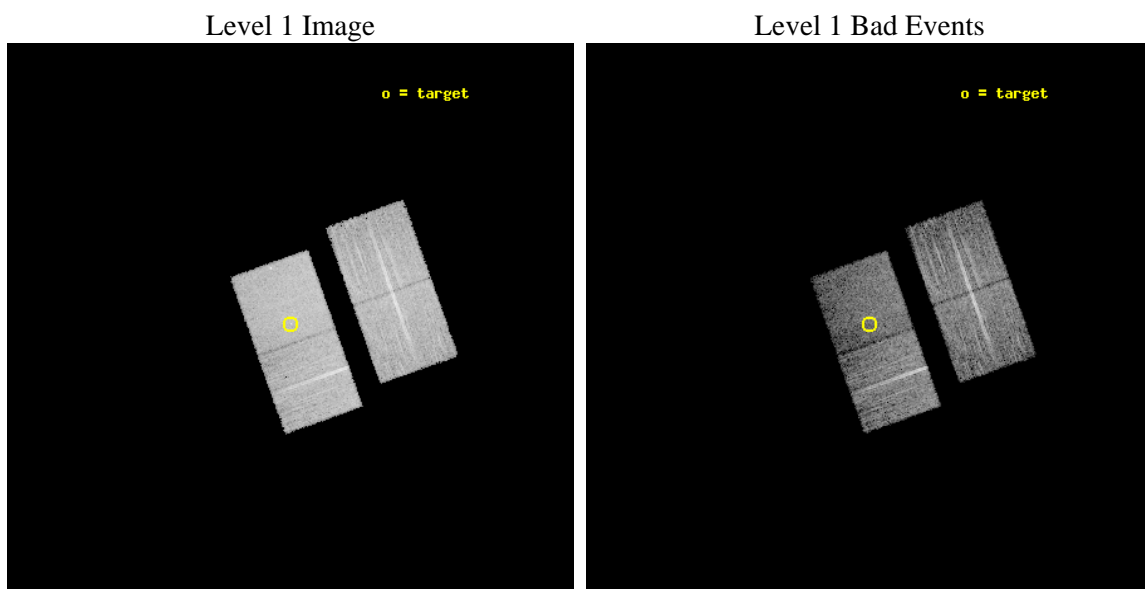
seq_num	701747	Sequence number
obs_id	9307	Observation id
title	Towards a Complete Sample: 3CR Extragalactic Radio Sources with $z < 0.3$	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	3C213.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	135.272083	Observer's specified target RA [deg]
dec_targ	29.029778	Observer's specified target Dec [deg]
ra_nom	135.27323686713	Nominal RA [deg]
dec_nom	29.025090774771	Nominal Dec [deg]
roll_nom	250.44315991173	Nominal Roll [deg]
revision	2	Processing version of data
ontime	8174.2246191502	Sum of GTIs [s]
livetime	8067.4223567243	Livetime [s]
ontime2	8167.8195084929	Sum of GTIs [s]
ontime3	8174.1425391436	Sum of GTIs [s]
ontime6	8174.1835791469	Sum of GTIs [s]
ontime7	8174.2246191502	Sum of GTIs [s]
l2events	49008	Number of level 2 events



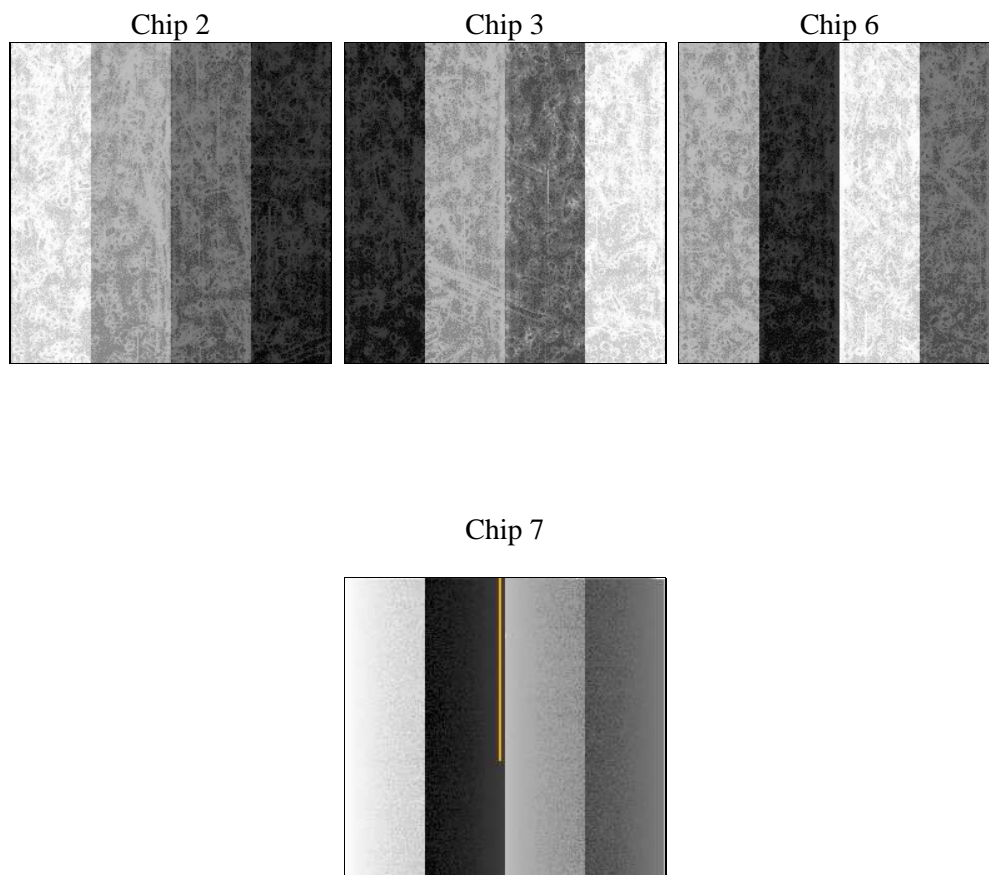
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	8174.2246191502	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	8167.8195084929	Sum of GTIs [s]
date	2012-05-13T00:06:51	Date and time of file creation	ontime3	8174.1425391436	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	8174.1835791469	Sum of GTIs [s]
			ontime7	8174.2246191502	Sum of GTIs [s]
			l1events	267876	Number of level 1 events

2.1.4 Events

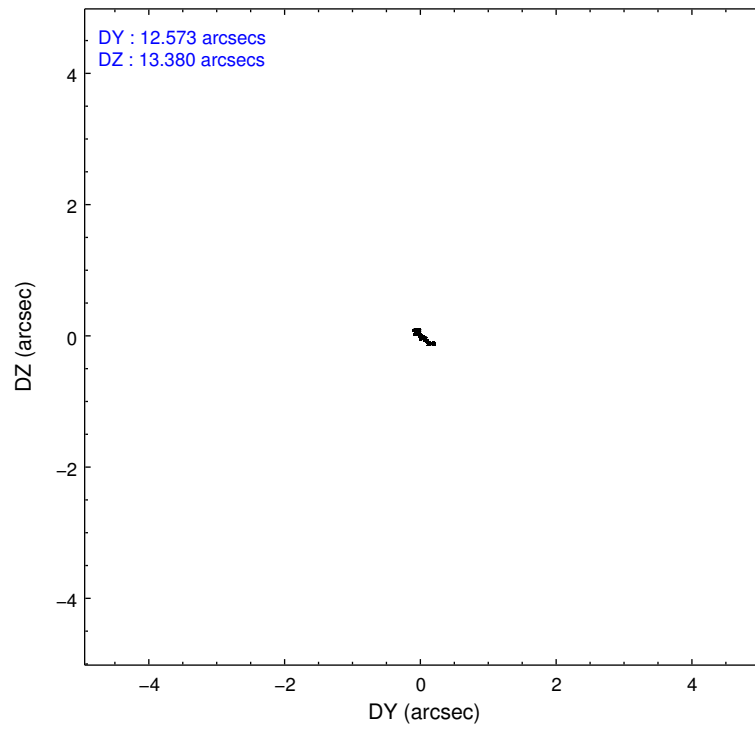
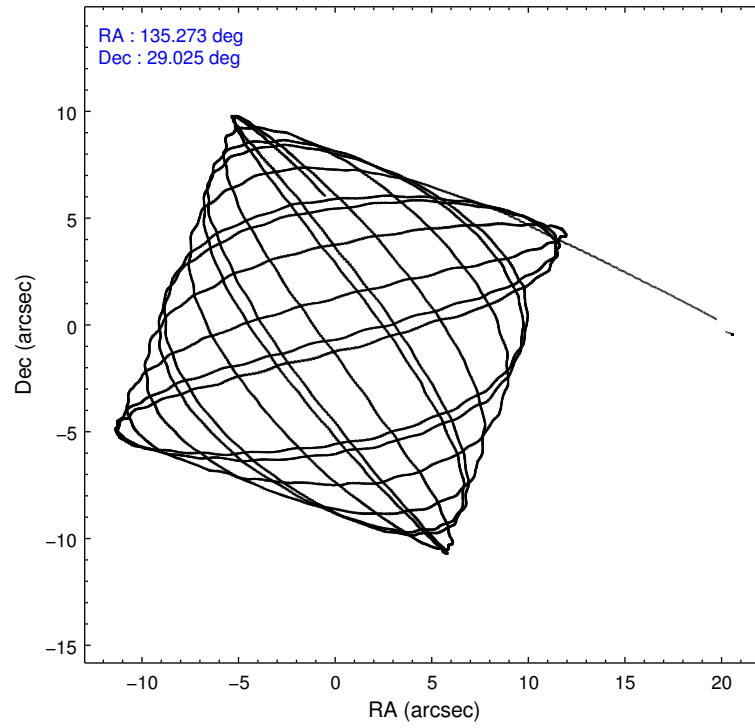
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	64640	62742	66859	73635
rejected events	58307	56660	59997	40156
rejected %	90%	90%	89%	54%

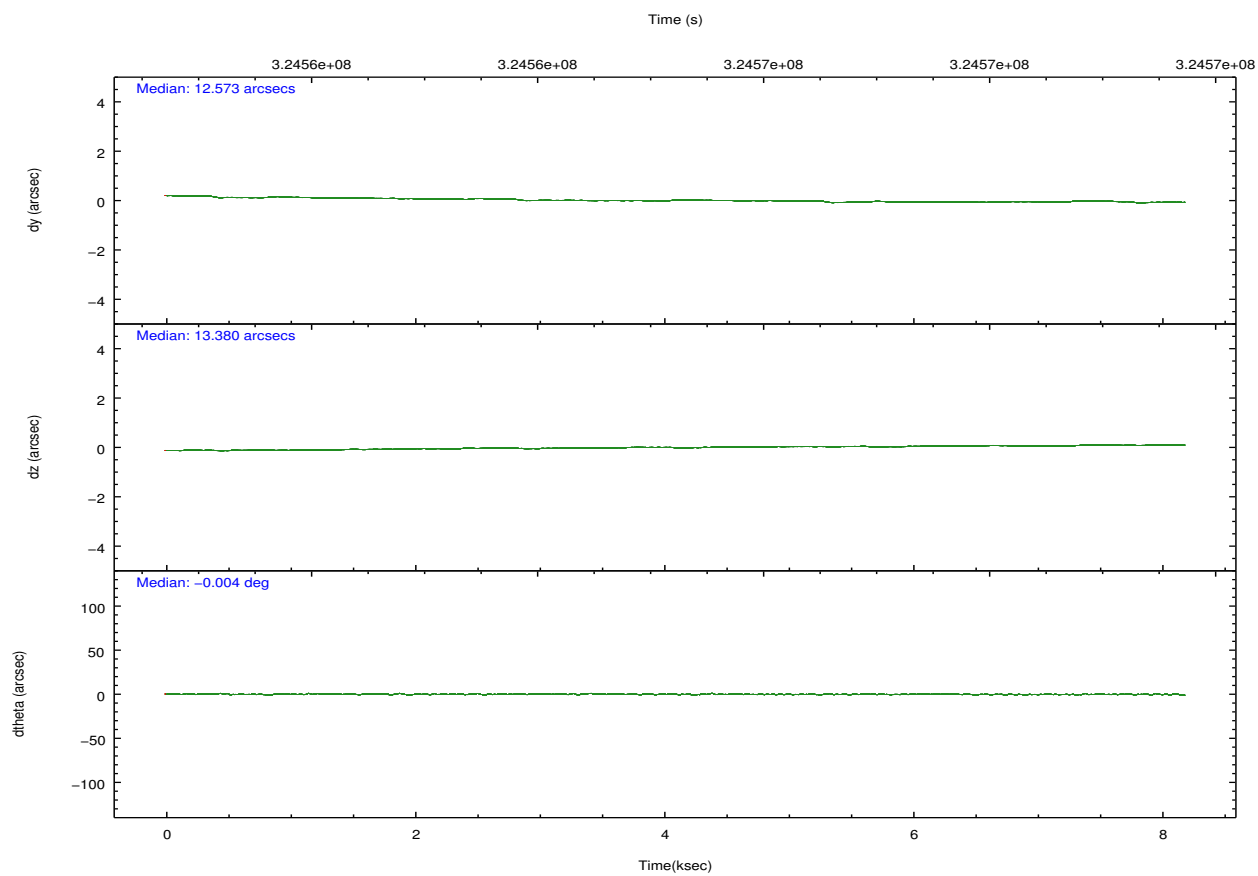
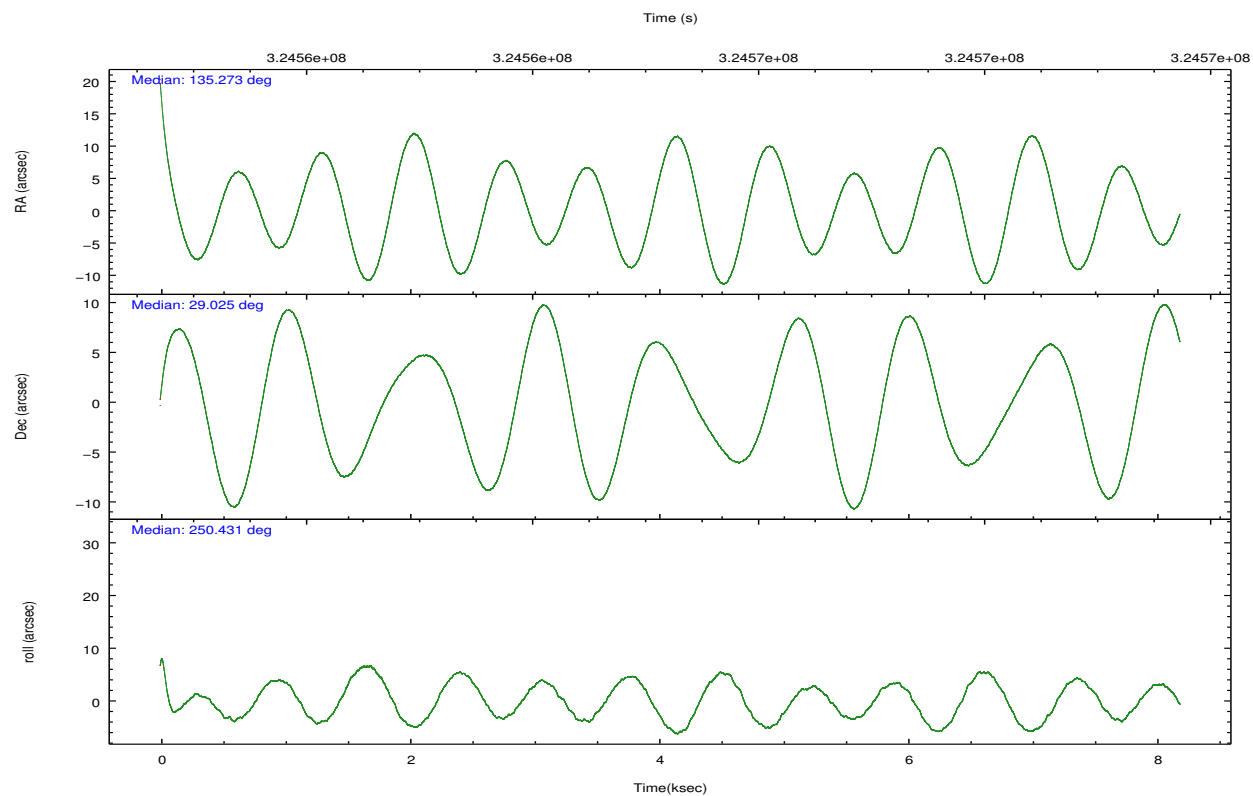
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2284	2257	2324	3055
	3%	3%	3%	4%
grade 1 events	32	36	31	69
	0%	0%	0%	0%
grade 2 events	1499	1314	1640	6888
	2%	2%	2%	9%
grade 3 events	690	693	729	3040
	1%	1%	1%	4%
grade 4 events	649	622	748	3070
	1%	0%	1%	4%
grade 5 events	2134	2685	2714	7682
	3%	4%	4%	10%
grade 6 events	1216	1205	1429	17456
	1%	1%	2%	23%
grade 7 events	56136	53930	57244	32375
	86%	85%	85%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	135.267158	135.2732368671334	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.051858	29.02509077477079	Alternating exposures requested	N	N
[deg] Pointing Roll	250.289459	250.4431599117253	[s] Primary exposure time	0.000000	3.1
[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)	324561296.184000	324560362.49127			
Observation start date	2008-04-14T11:53:51	2008-04-14T11:39:22			
[s] Observation end time (MET)	324569296.184000	324569987.24174			
Observation end date	2008-04-14T14:07:11	2008-04-14T14:19:47			
Read mode	TIMED	TIMED			

2.3 Aspect



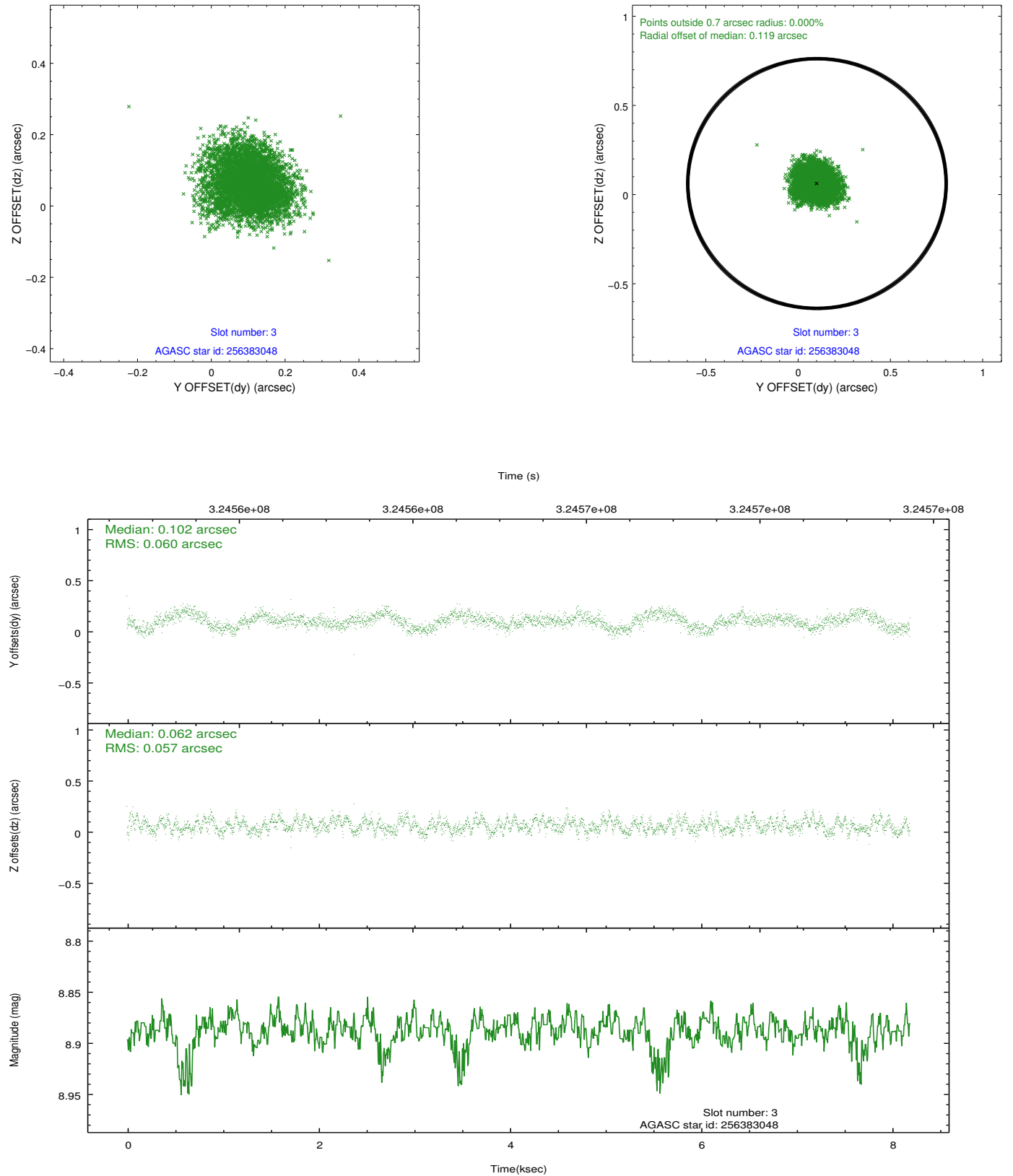


Slot Statistics

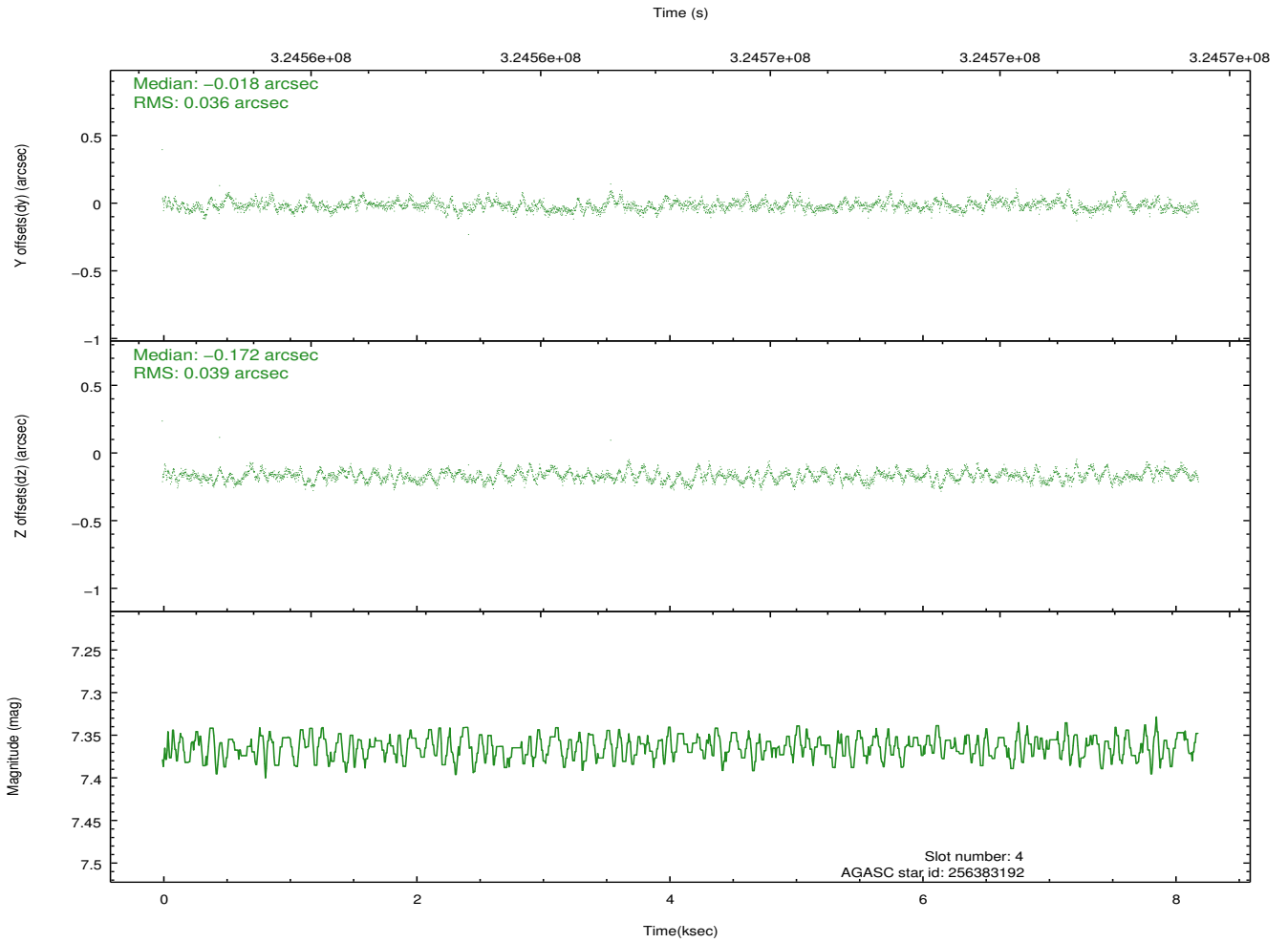
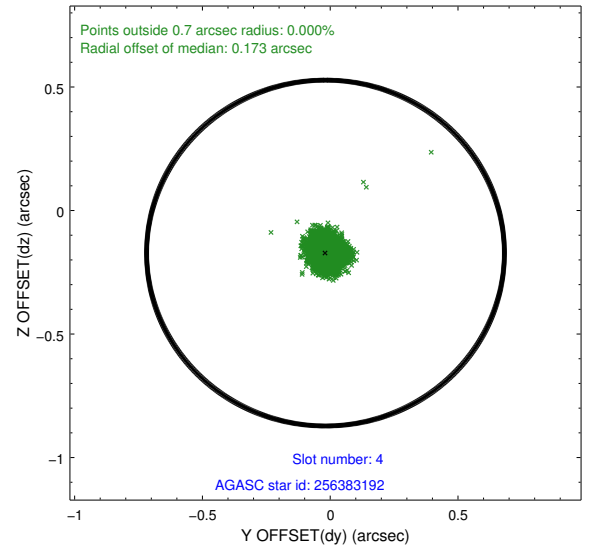
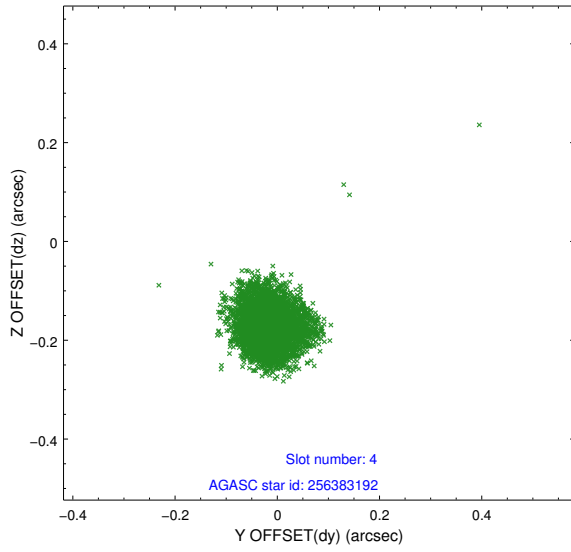
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	1998	-0.022	-0.027	0.006	0.011	0.000000	0.000000	-765.53	-1734.68
1	FID	ACIS-S-4	7.03	1998	0.112	0.018	0.006	0.010	0.000000	0.000000	2147.58	173.12
2	FID	ACIS-S-5	7.06	1998	-0.121	0.018	0.006	0.011	0.000000	0.000000	-1817.58	167.60
3	GUIDE	256383048	8.89	3995	0.102	0.062	0.090	0.140	135.209774	29.083603	-46.04	-208.03
4	GUIDE	256383192	7.36	3995	-0.018	-0.172	0.056	0.088	134.949304	29.013644	466.33	-895.88
5	GUIDE	256383408	8.59	3994	0.029	0.051	0.069	0.111	135.602600	29.117651	-579.72	912.91
6	GUIDE	256386376	9.08	3994	-0.023	0.102	0.073	0.122	135.674236	29.375220	-1528.41	809.22
7	GUIDE	256389704	6.49	3995	-0.092	-0.040	0.046	0.072	136.093605	29.268005	-1616.77	2177.94

2.4 Star Slots

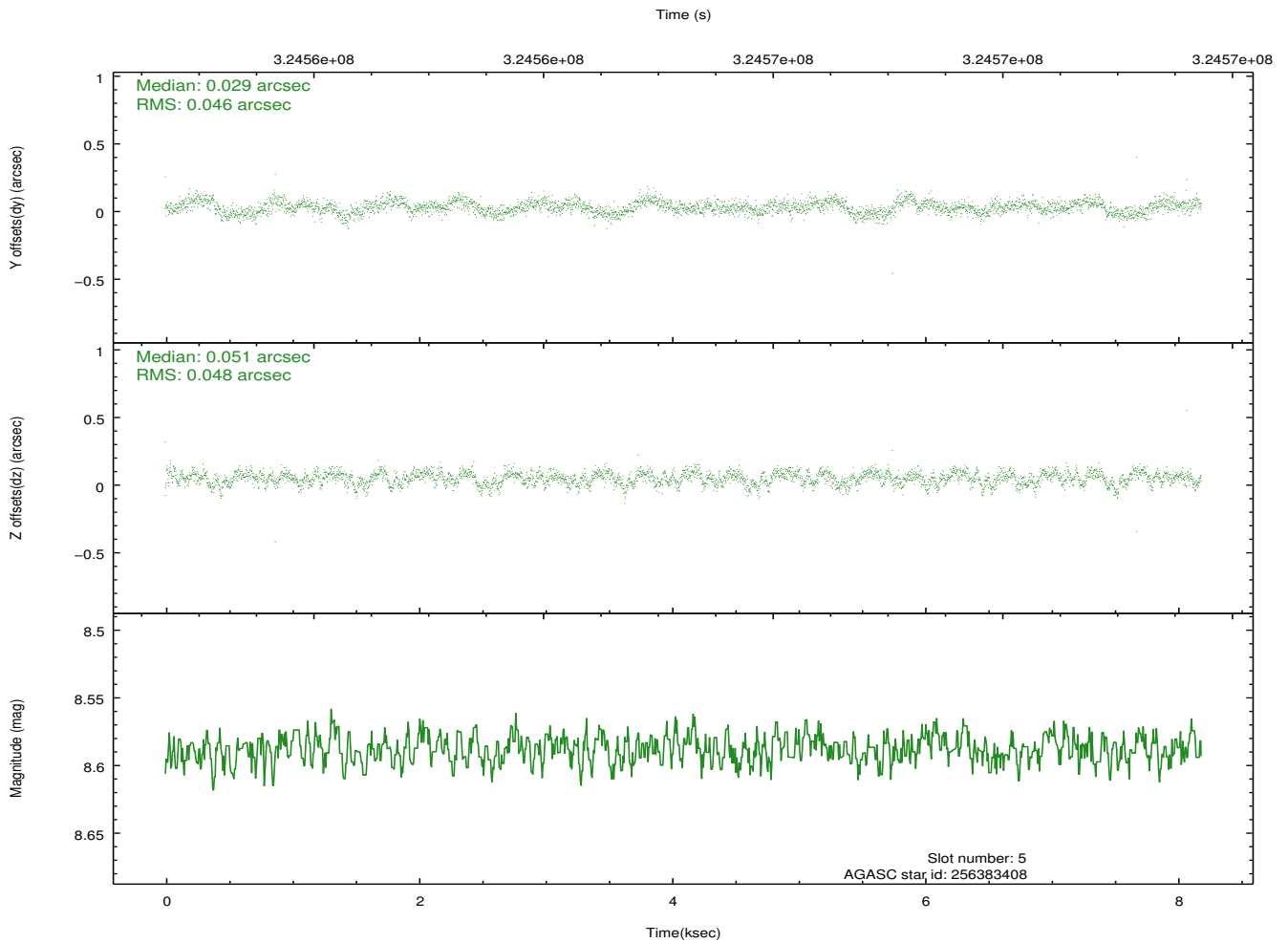
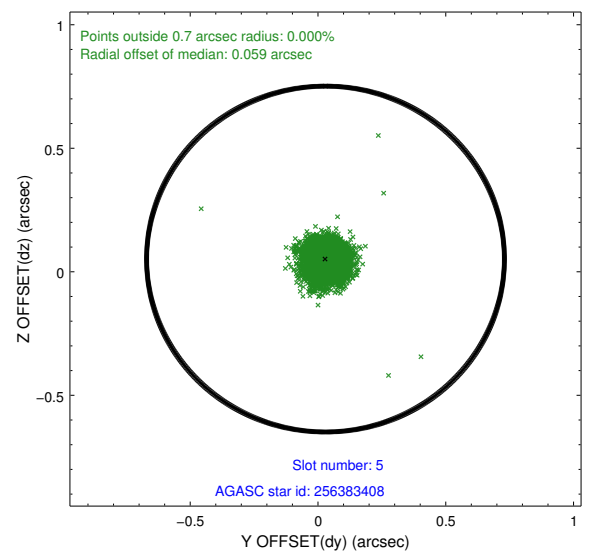
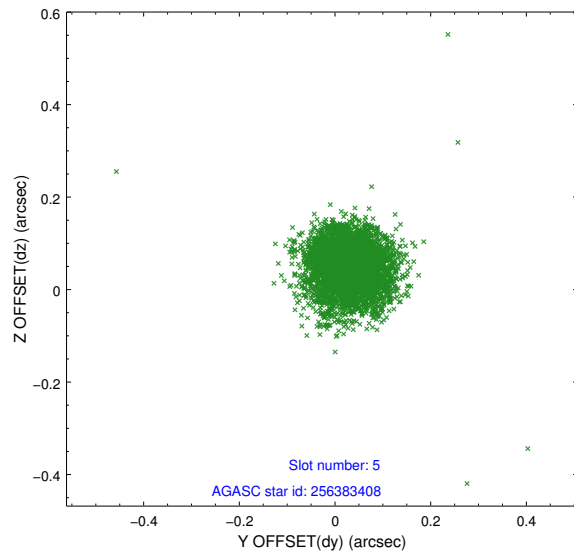
2.4.1 Slot 3



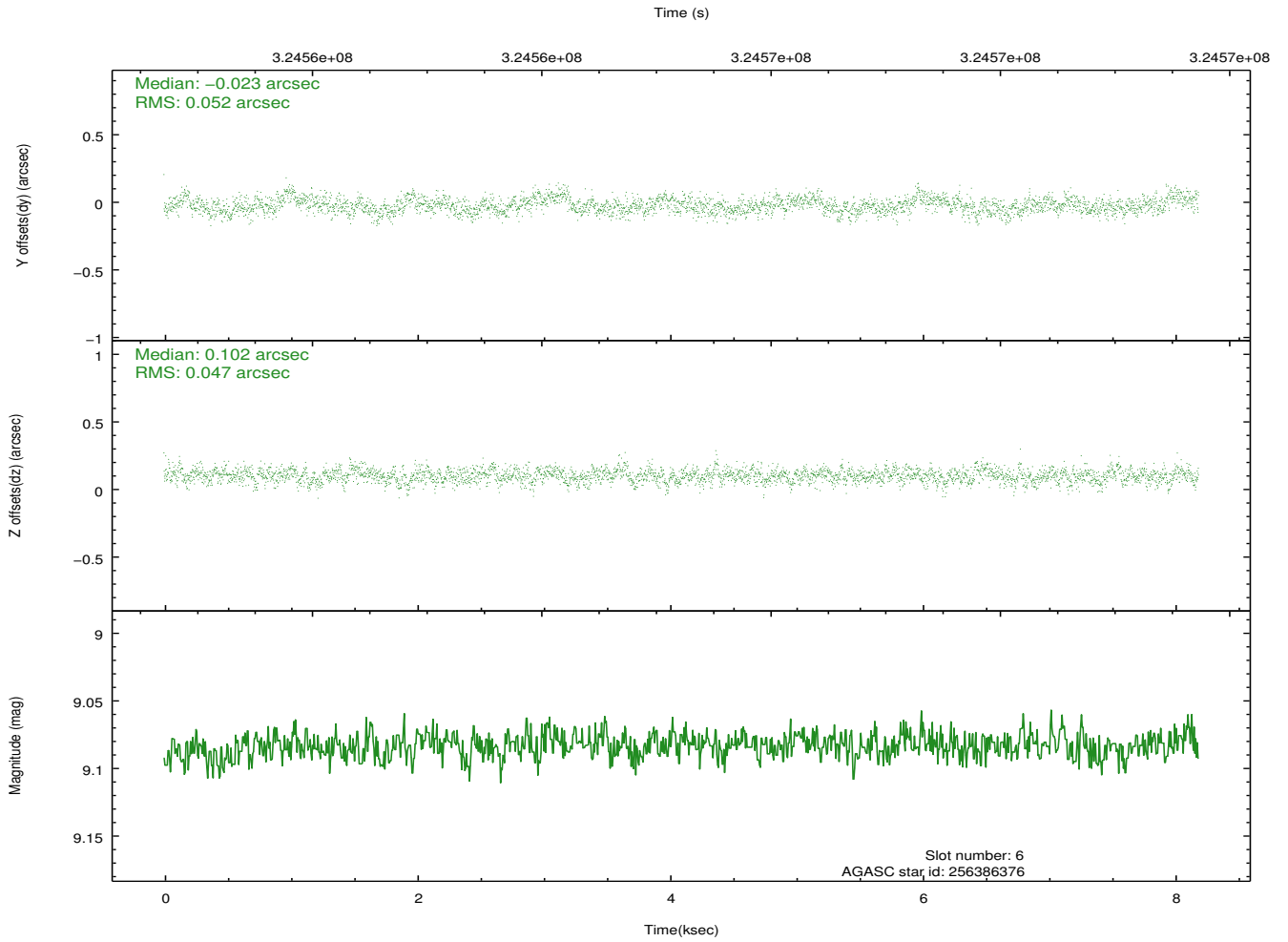
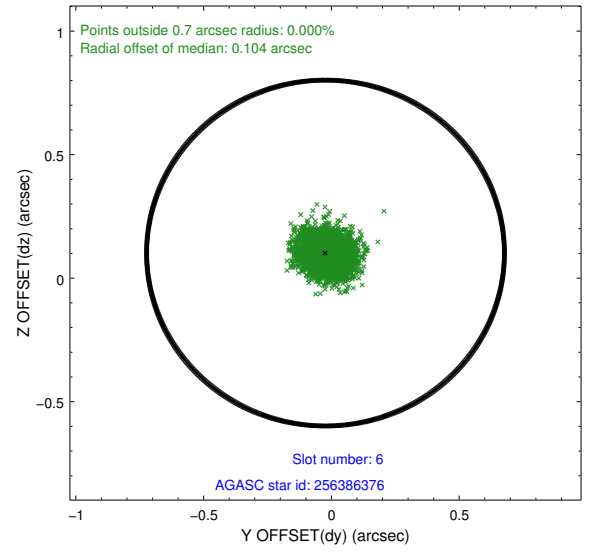
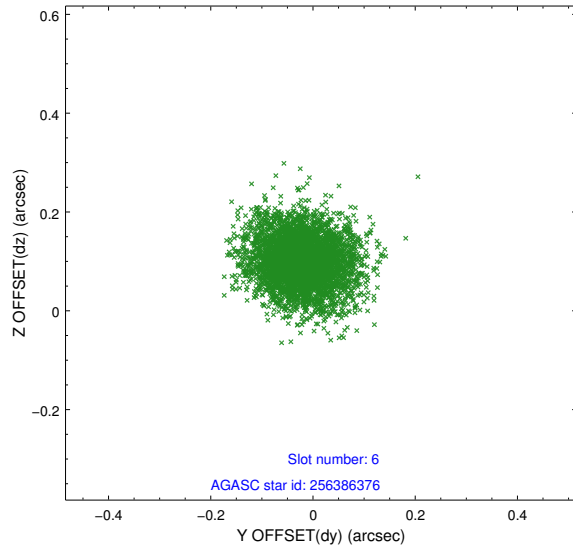
2.4.2 Slot 4



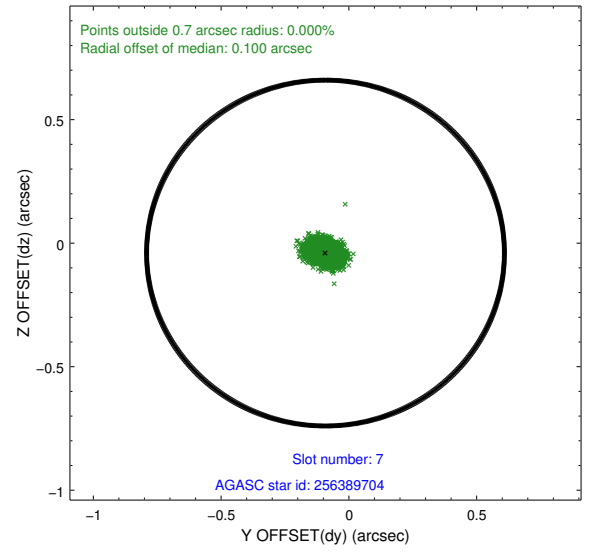
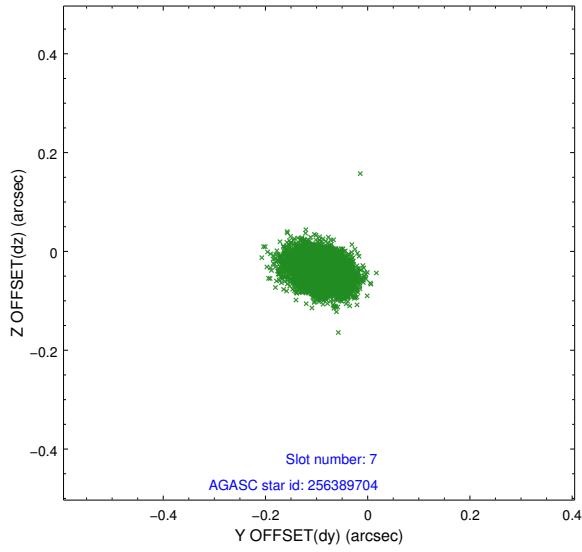
2.4.3 Slot 5



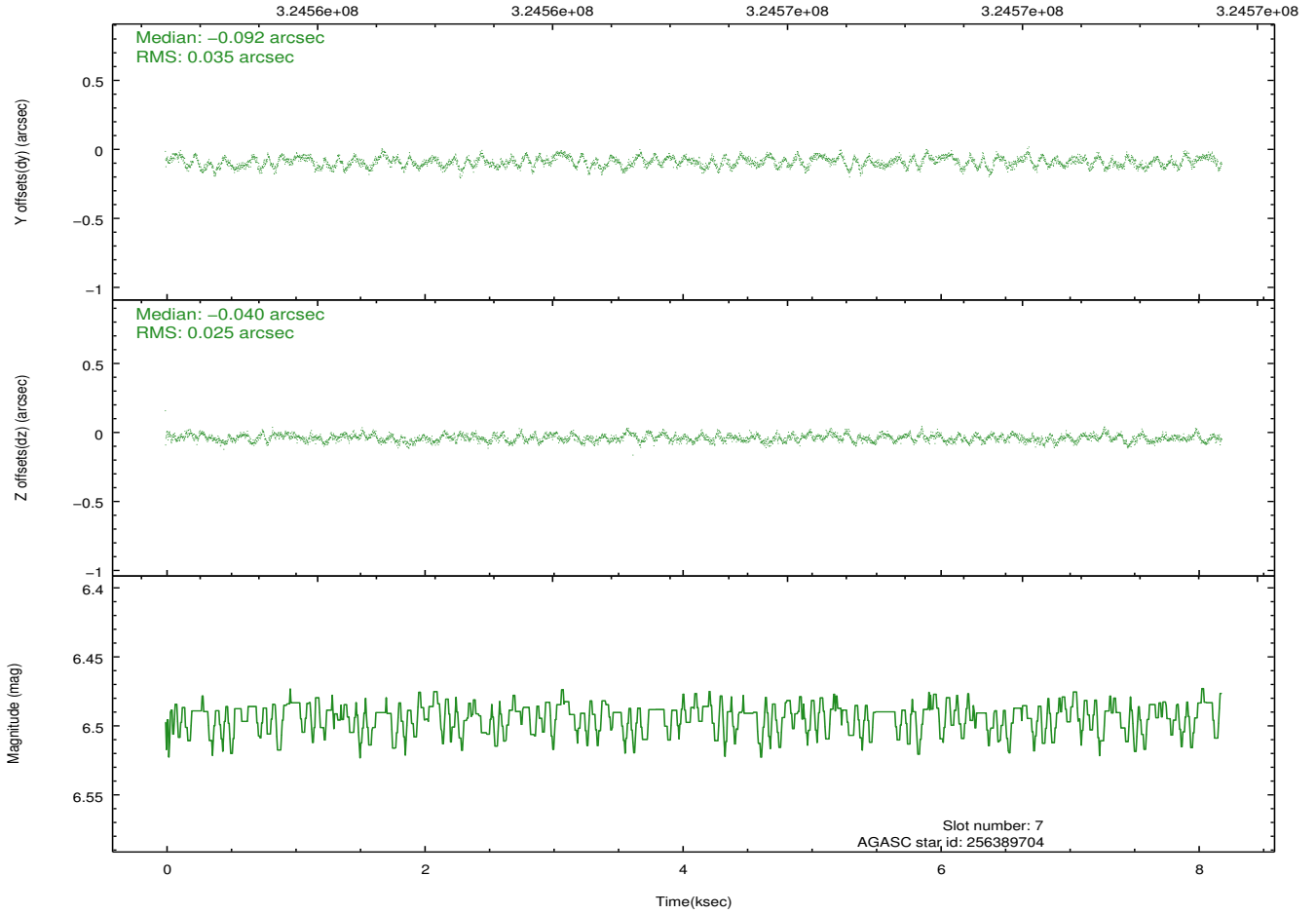
2.4.4 Slot 6



2.4.5 Slot 7

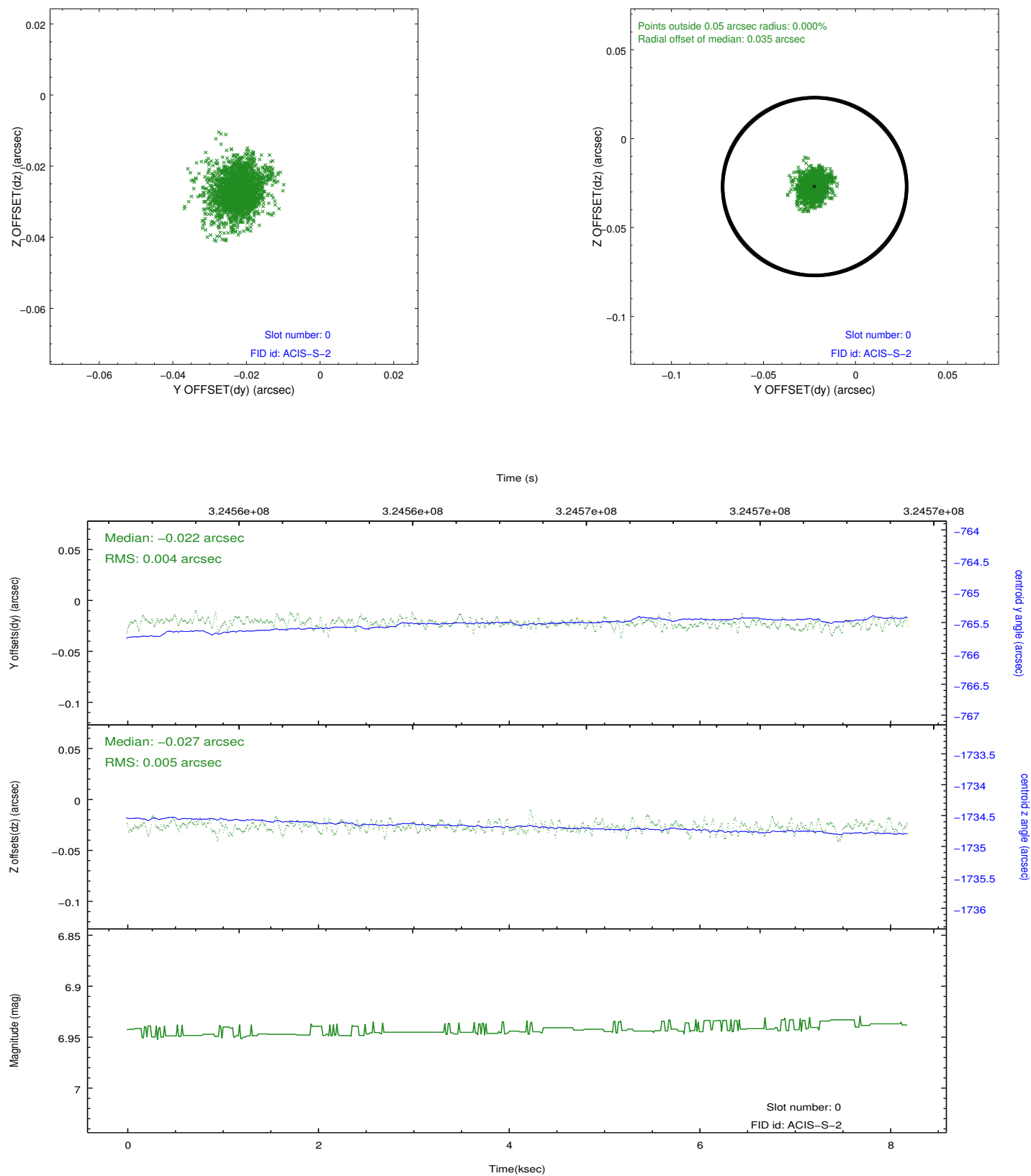


Time (s)

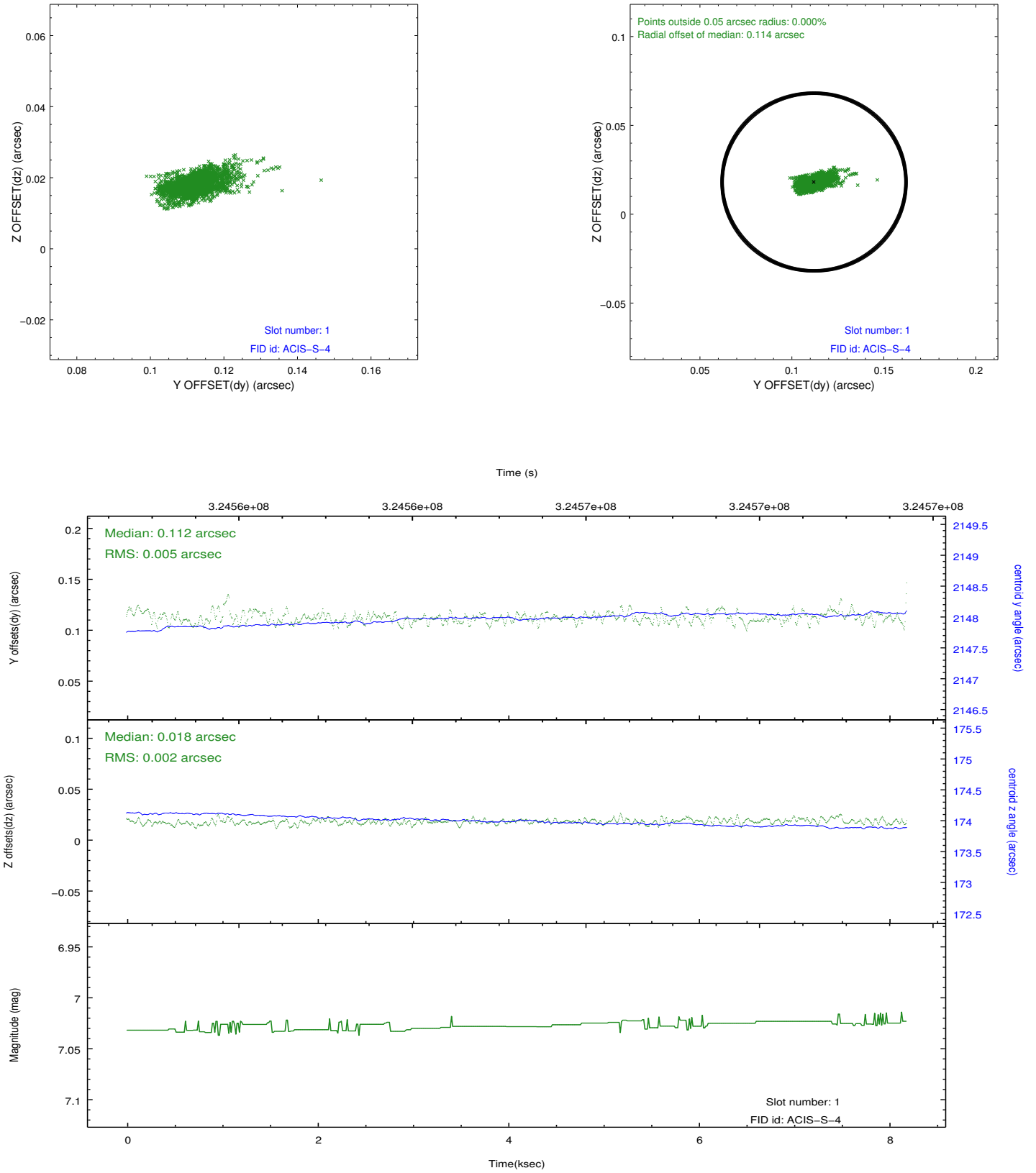


2.5 FID Slots

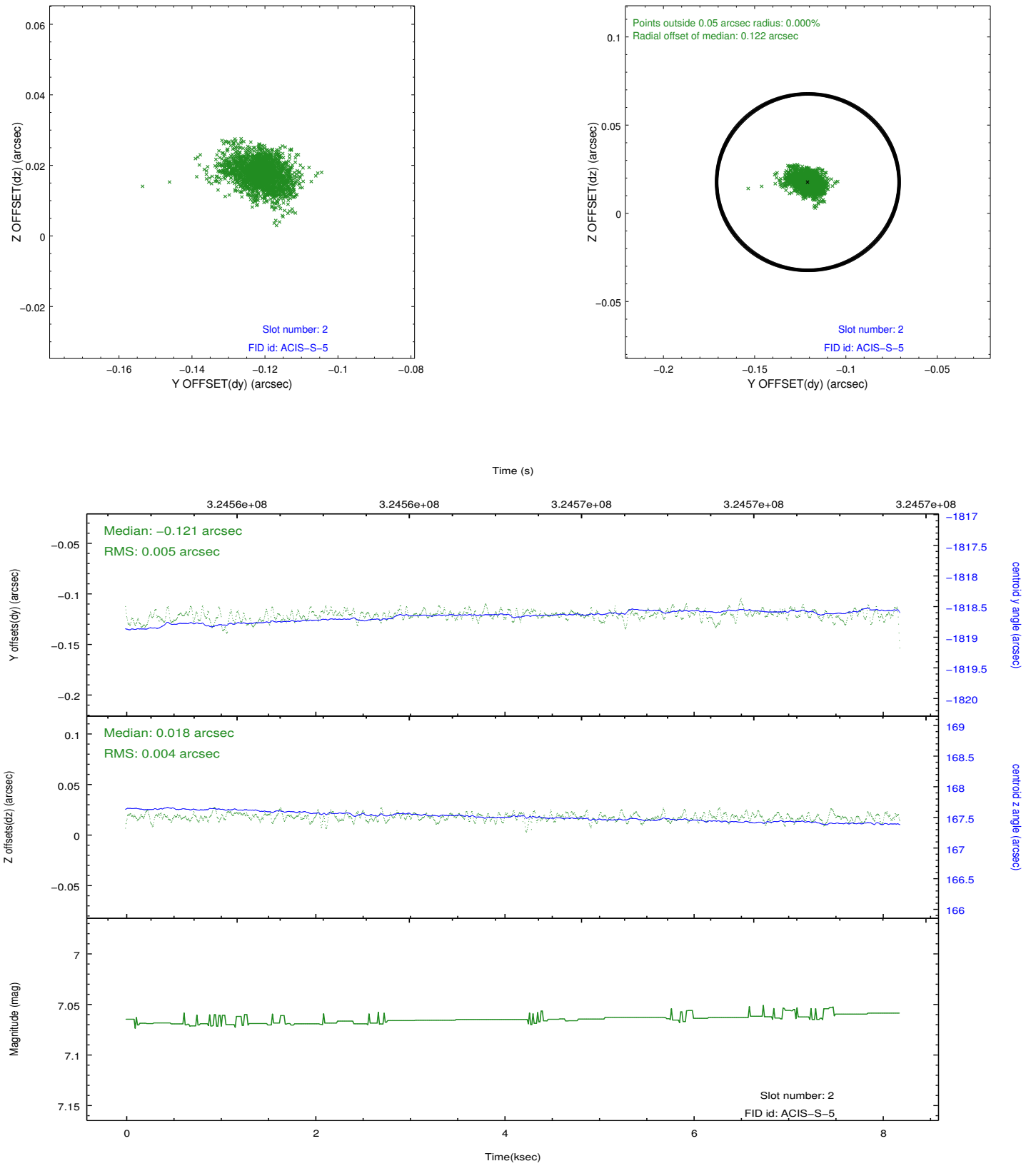
2.5.1 Slot 0



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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	8.17470006

A.2 Comments