

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16327 - L2 Version 1
Chandra X-Ray Center

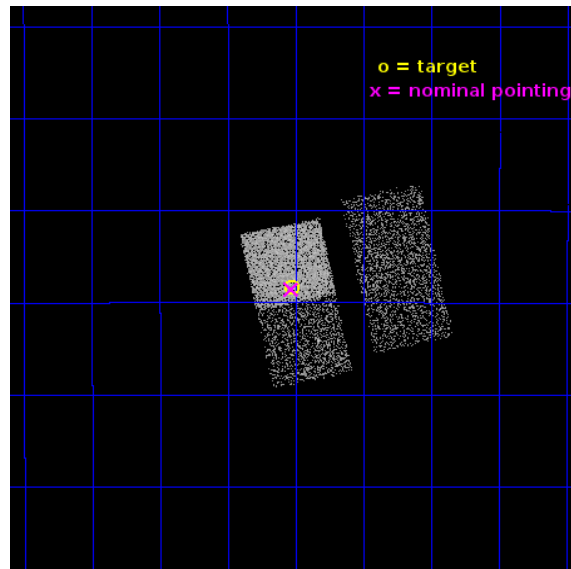
L2 Processing Date : Jul 24 2014

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1 Front

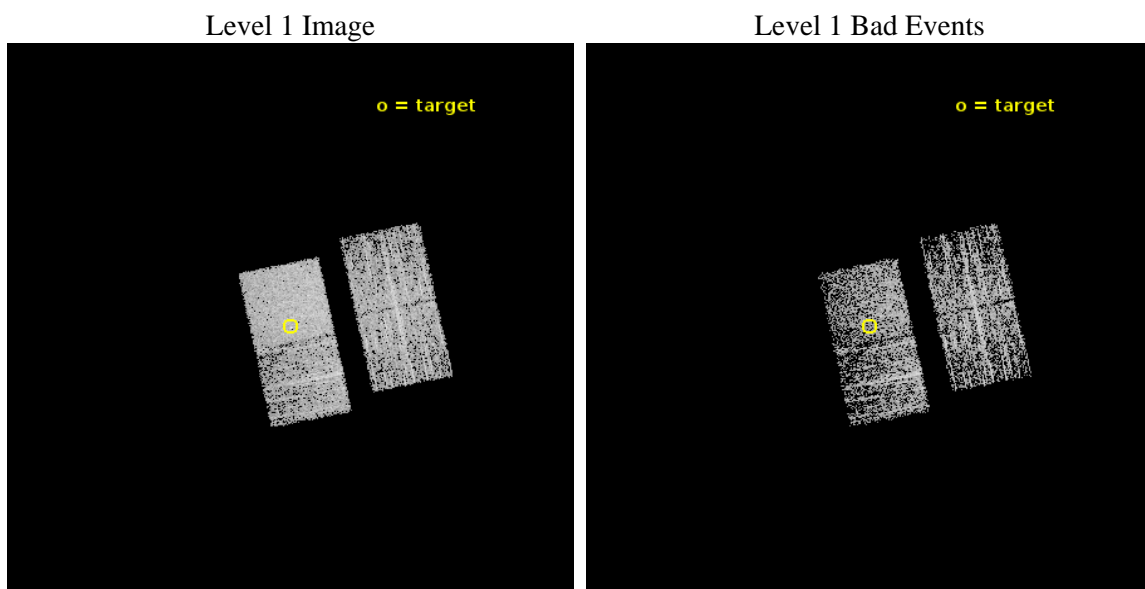
seq_num	200953	Sequence number
obs_id	16327	Observation id
title	X-rays and Disks around Upper Sco Stars	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	US 16113134-1838259	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	242.880417	Observer's specified target RA [deg]
dec_targ	-18.640528	Observer's specified target Dec [deg]
ra_nom	242.88262202983	Nominal RA [deg]
dec_nom	-18.642829257722	Nominal Dec [deg]
roll_nom	258.14054020687	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3078.300023675	Sum of GTIs [s]
livetime	3038.0797676541	Livetime [s]
ontime2	3078.300023675	Sum of GTIs [s]
ontime3	3078.300023675	Sum of GTIs [s]
ontime6	3078.300023675	Sum of GTIs [s]
ontime7	3078.300023675	Sum of GTIs [s]
l2events	13692	Number of level 2 events



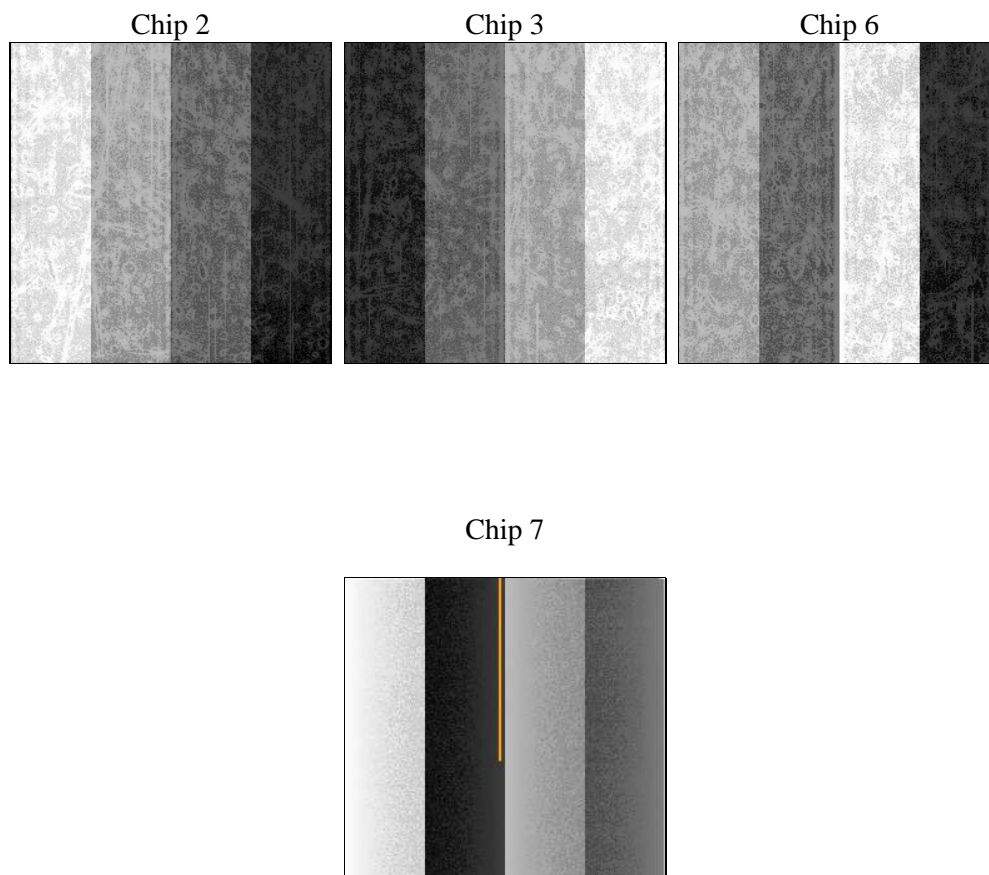
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	3078.300023675	Sum of GTIs [s]
caldsver	4.6.2	 	ontime2	3078.300023675	Sum of GTIs [s]
date	2014-07-25T02:57:44	Date and time of file creation	ontime3	3078.300023675	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	3078.300023675	Sum of GTIs [s]
			ontime7	3078.300023675	Sum of GTIs [s]
			l1events	64583	Number of level 1 events

2.1.4 Events

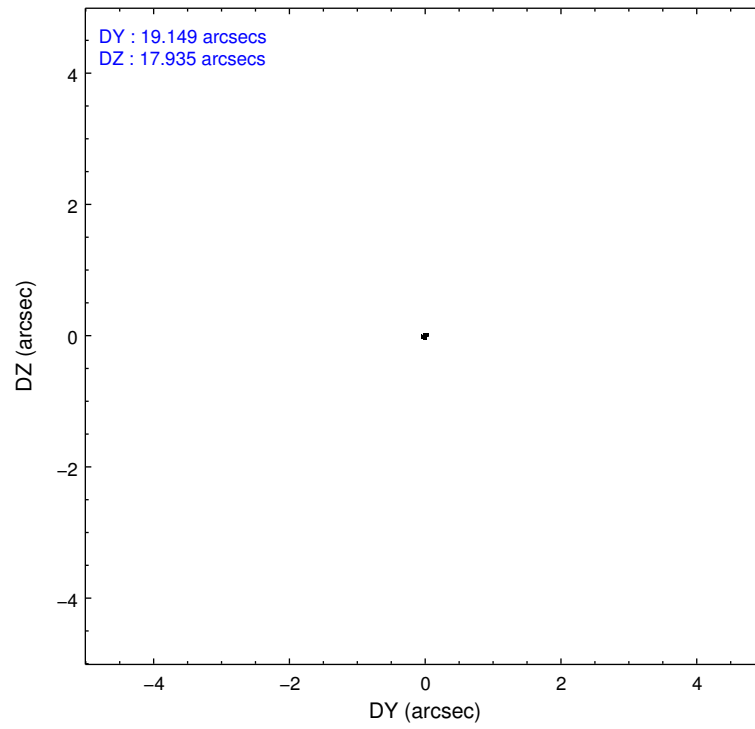
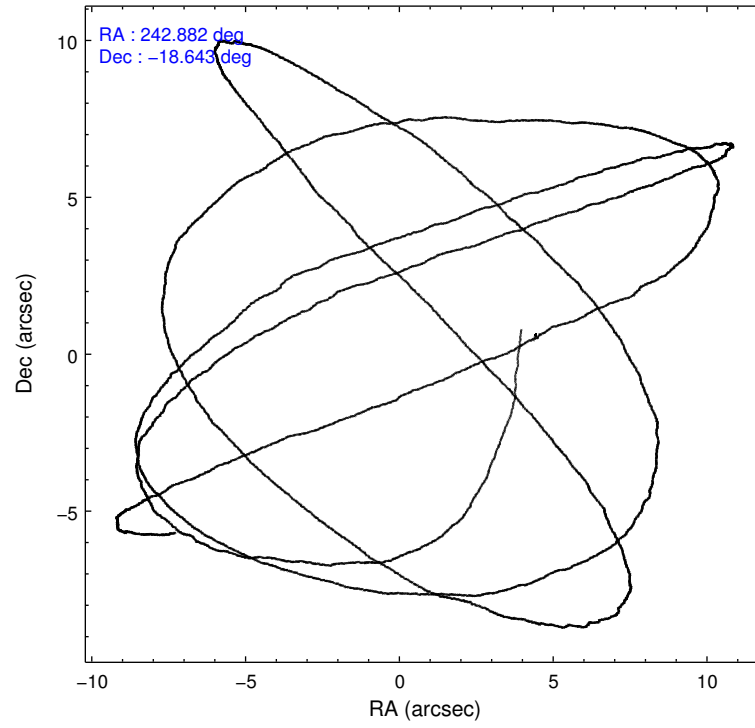
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	15071	14192	14231	21089
rejected events	13276	12477	12348	11907
rejected %	88%	87%	86%	56%

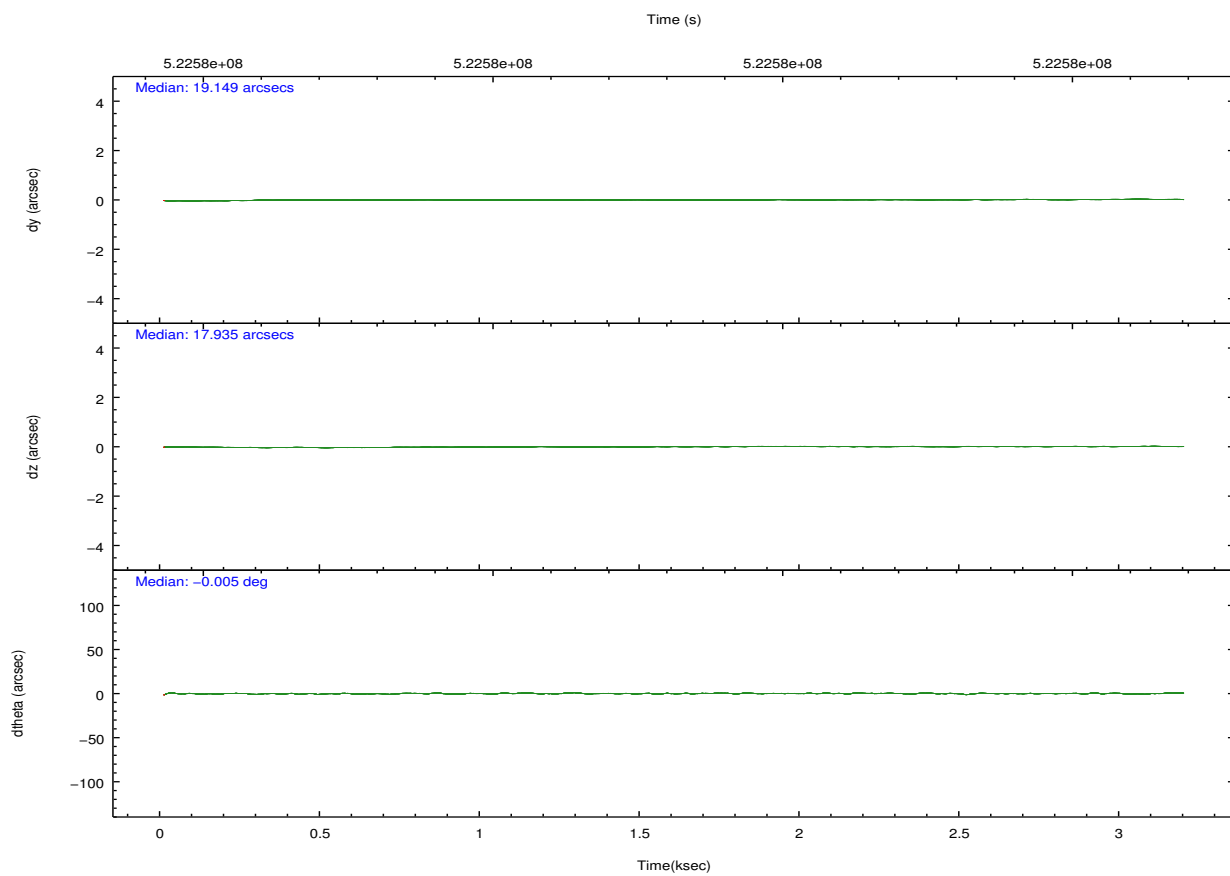
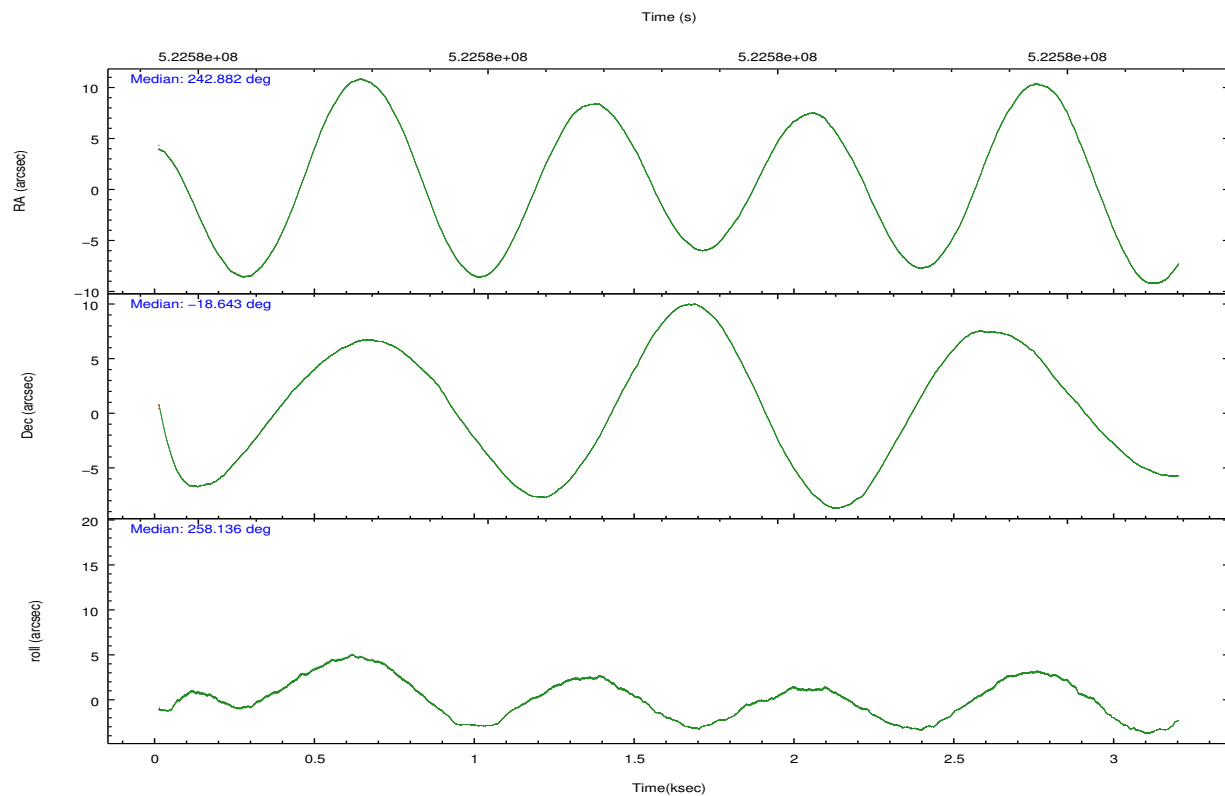
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	607	612	674	783
	4%	4%	4%	3%
grade 1 events	6	7	5	27
	0%	0%	0%	0%
grade 2 events	442	373	396	1930
	2%	2%	2%	9%
grade 3 events	208	195	206	831
	1%	1%	1%	3%
grade 4 events	194	185	193	795
	1%	1%	1%	3%
grade 5 events	665	810	813	2219
	4%	5%	5%	10%
grade 6 events	347	350	419	4868
	2%	2%	2%	23%
grade 7 events	12602	11660	11525	9636
	83%	82%	80%	45%

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	242.873348	242.8826220298277	Subarray requested	NONE	NONE
[deg] Pointing Dec	-18.616777	-18.64282925772201	Alternating exposures requested	N	N
[deg] Pointing Roll	257.980965	258.140540206866	[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	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	522577228.184000	522575970.74285			
Observation start date	2014-07-24T08:19:21	2014-07-24T07:59:30			
[s] Observation end time (MET)	522580228.184000	522580911.75562			
Observation end date	2014-07-24T09:09:21	2014-07-24T09:21:51			
Read mode	TIMED	TIMED			

2.3 Aspect



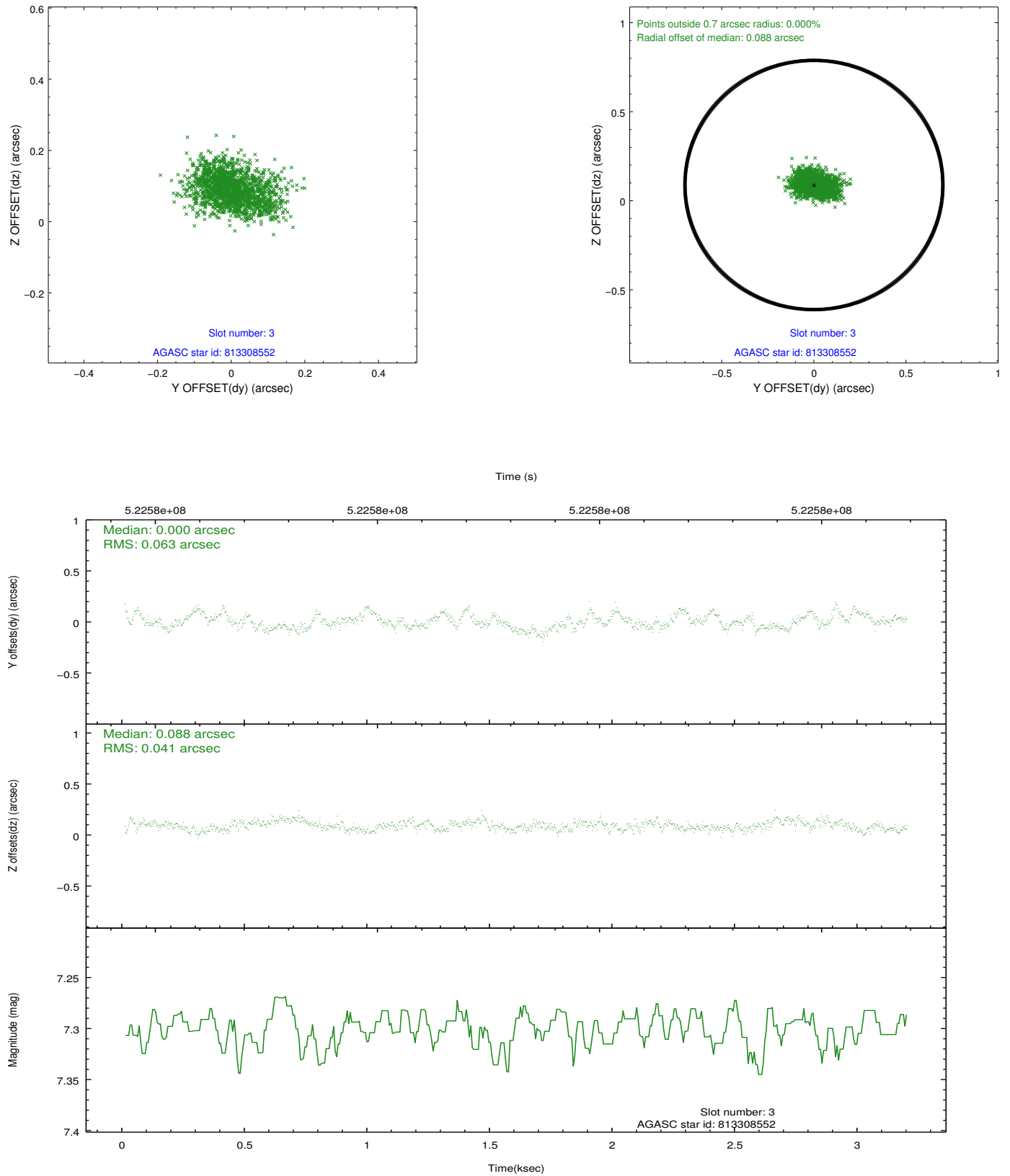


Slot Statistics

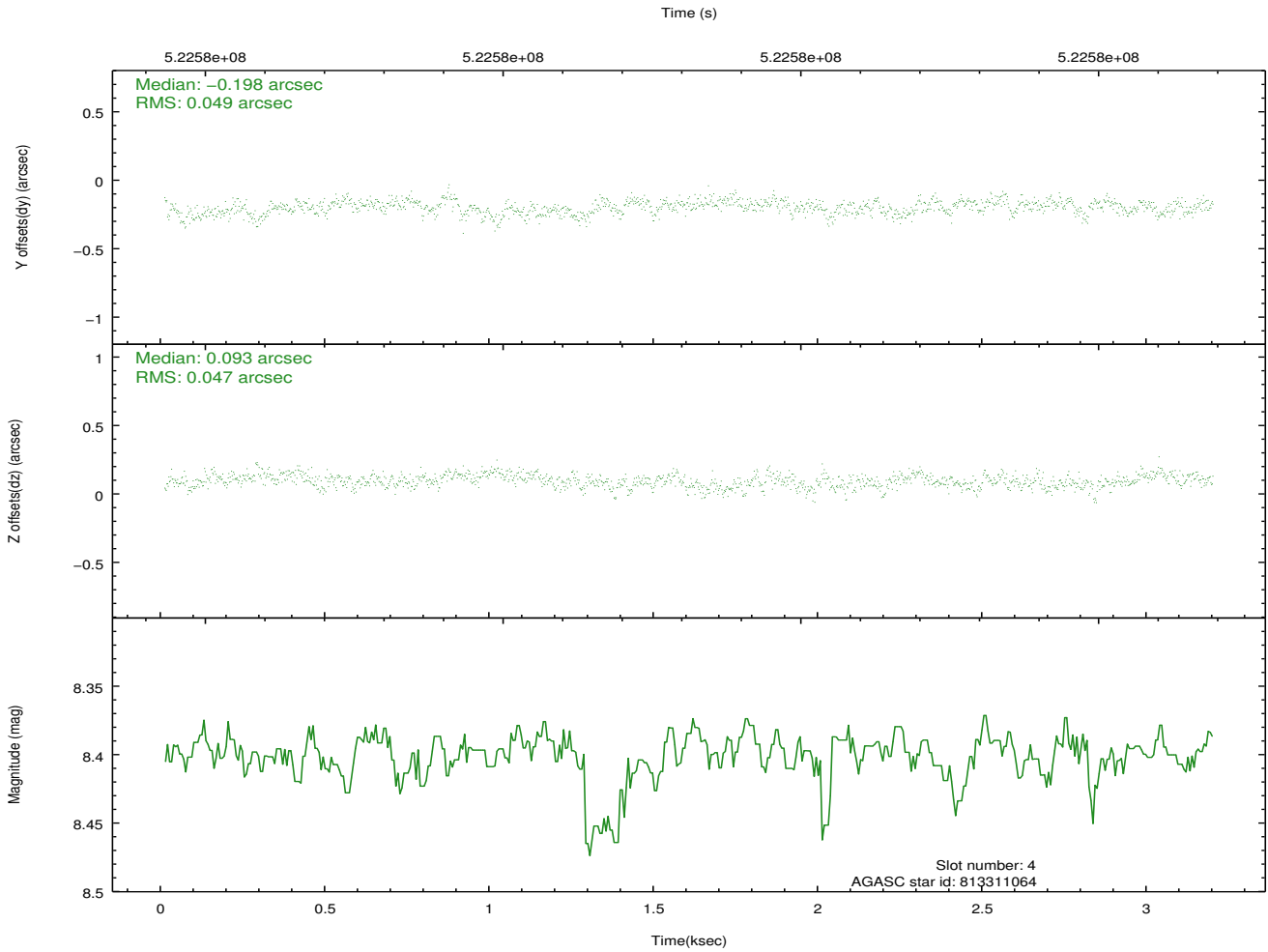
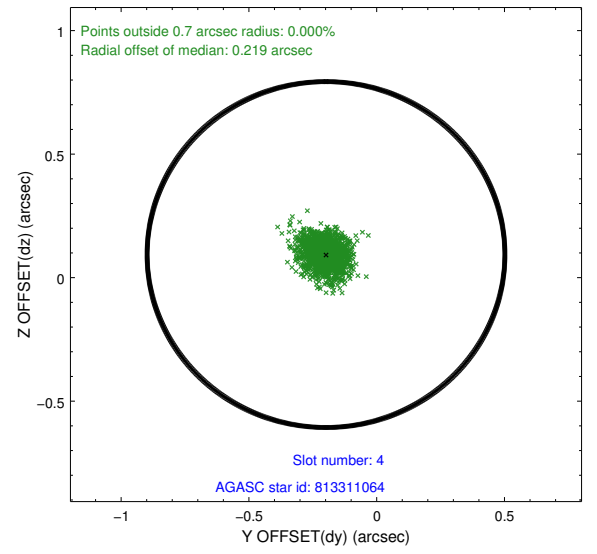
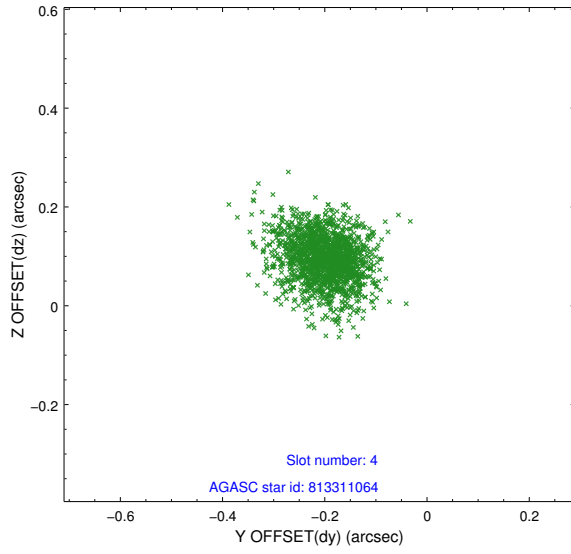
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.07	779	0.062	-0.013	0.012	0.017	0.000000	0.000000	923.84	-1735.04
1	FID	ACIS-S-4	7.08	779	0.209	-0.016	0.007	0.012	0.000000	0.000000	2142.51	167.03
2	FID	ACIS-S-5	7.11	778	-0.298	0.041	0.011	0.018	0.000000	0.000000	-1822.82	162.99
3	GUIDE	813308552	7.30	1557	0.000	0.088	0.081	0.132	243.361959	-18.101027	-2162.15	1249.66
4	GUIDE	813311064	8.40	1557	-0.198	0.093	0.071	0.119	243.524040	-18.197192	-1938.62	1864.00
5	GUIDE	813314200	6.66	1557	-0.003	-0.015	0.094	0.140	242.480299	-18.340623	-691.24	-1519.42
6	GUIDE	813834112	8.20	1557	0.032	-0.164	0.083	0.137	243.024975	-19.062329	1461.46	838.19
7	GUIDE	813836488	8.11	1556	0.172	-0.012	0.094	0.151	242.260837	-18.995570	1773.05	-1753.42

2.4 Star Slots

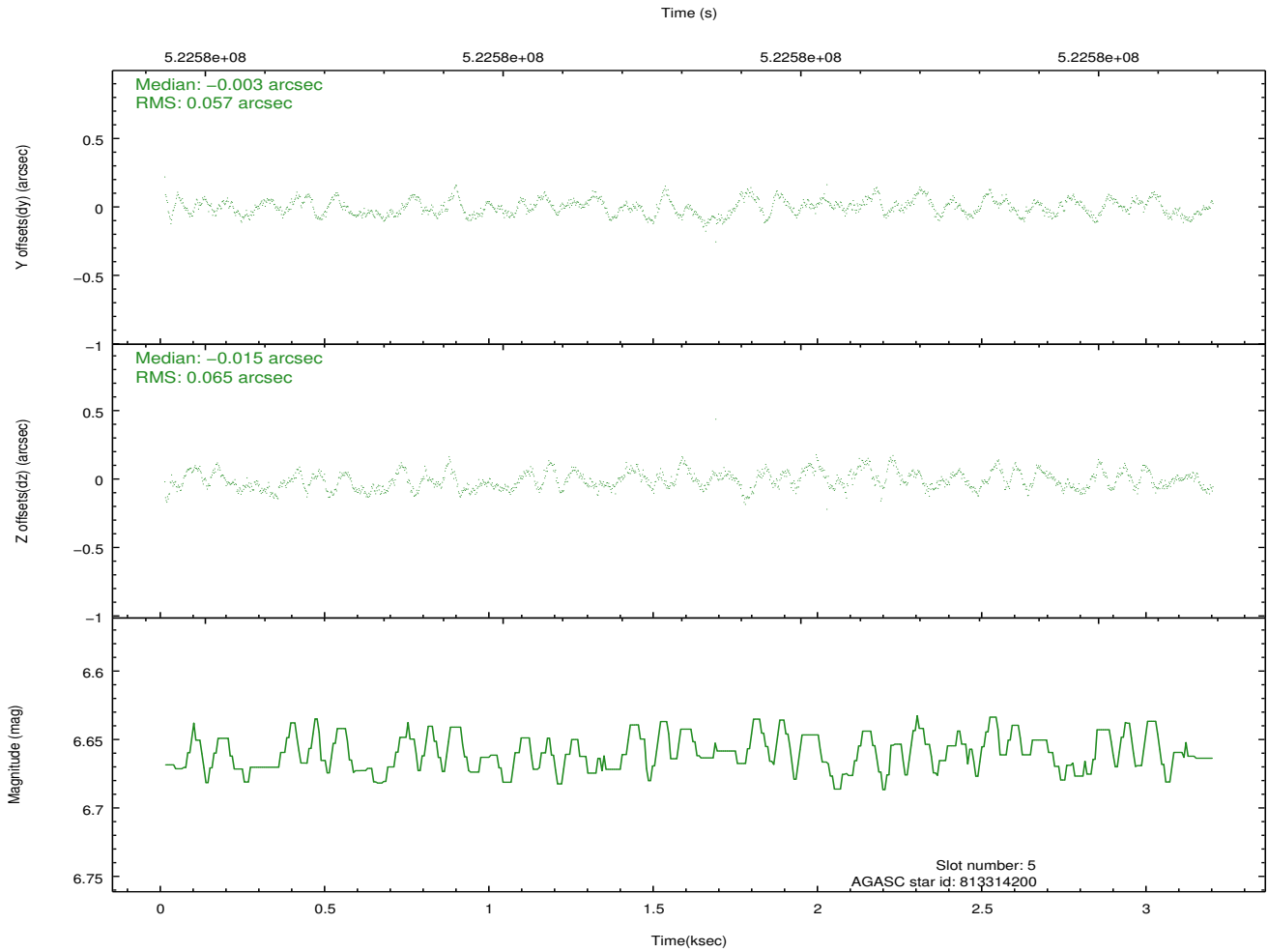
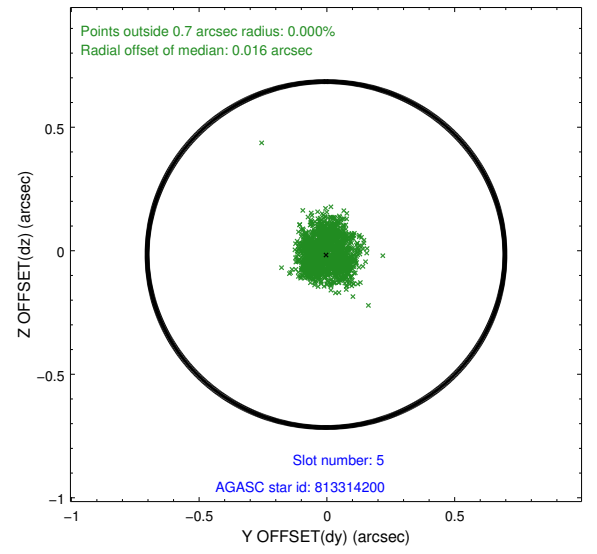
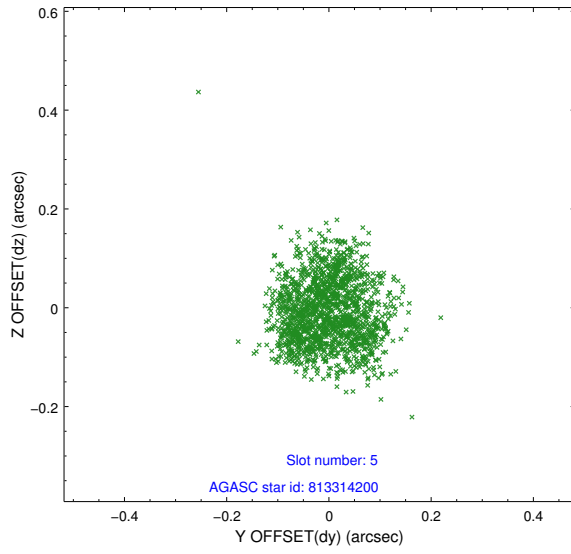
2.4.1 Slot 3



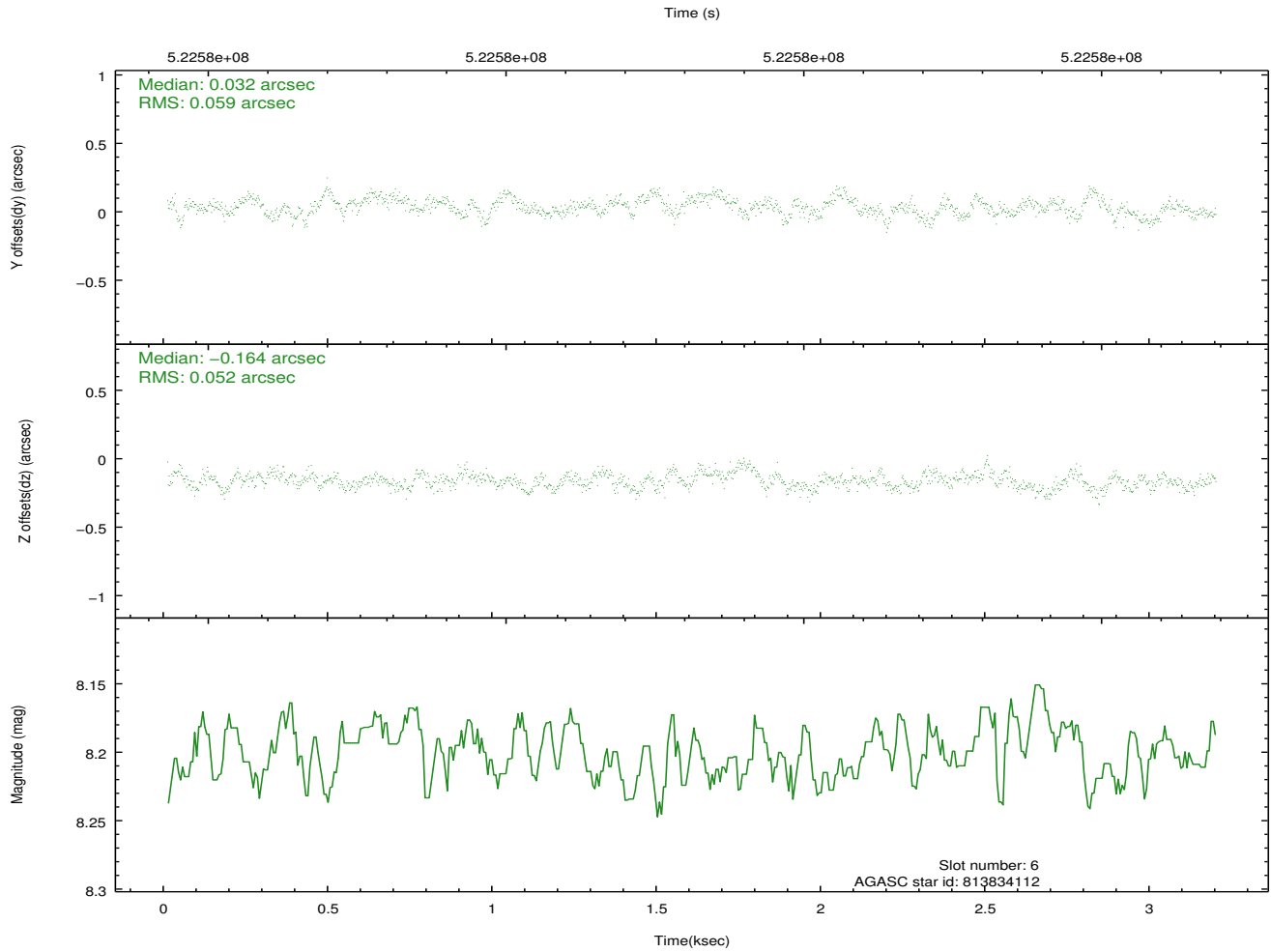
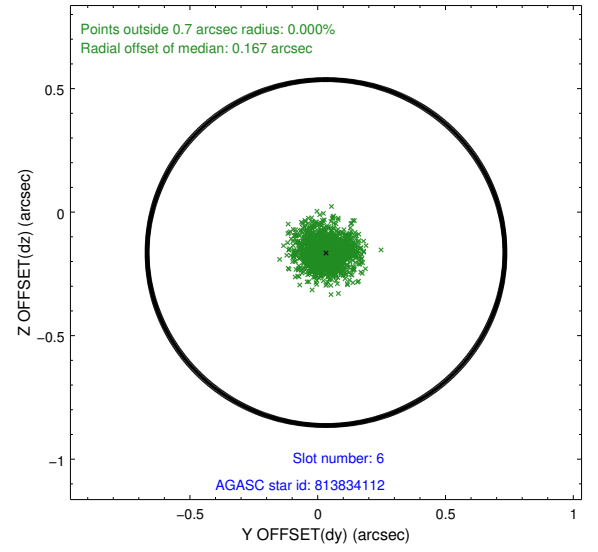
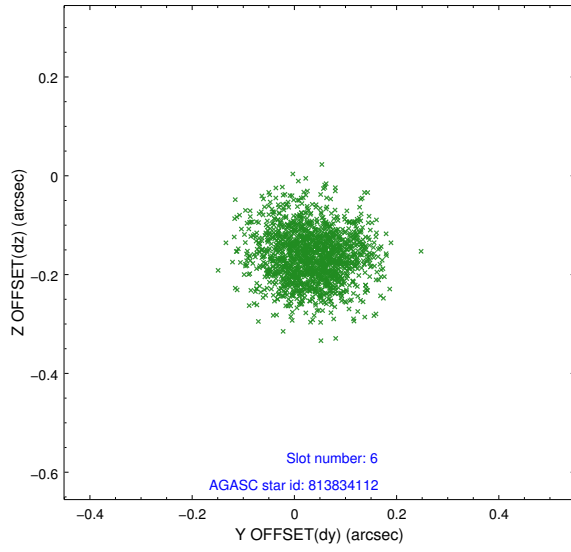
2.4.2 Slot 4



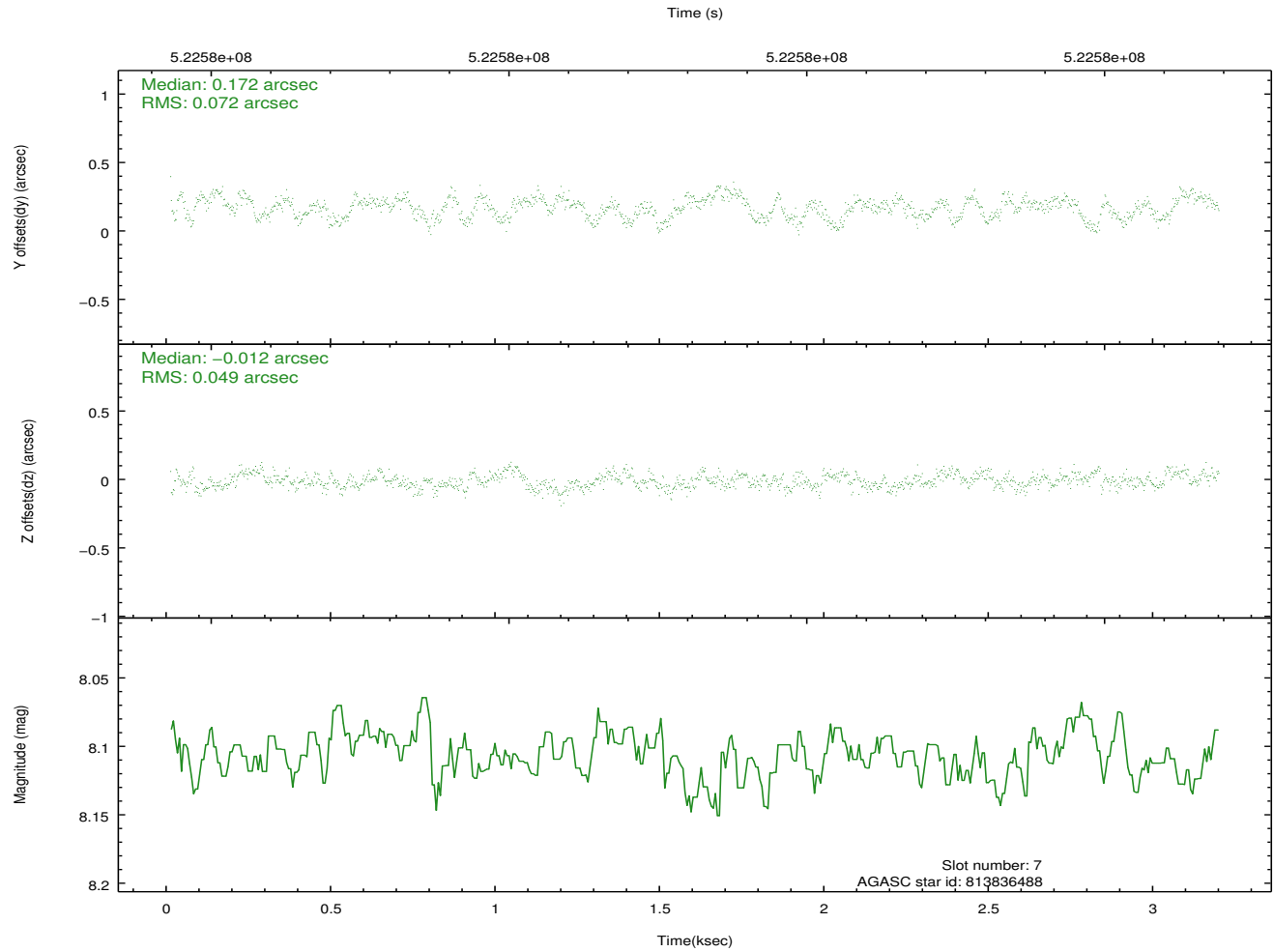
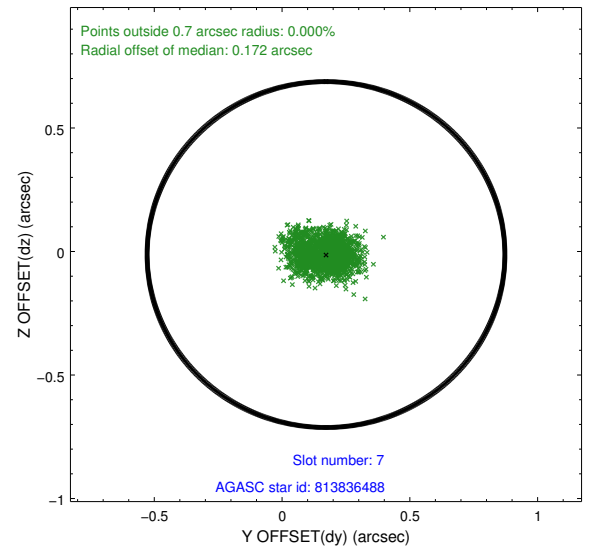
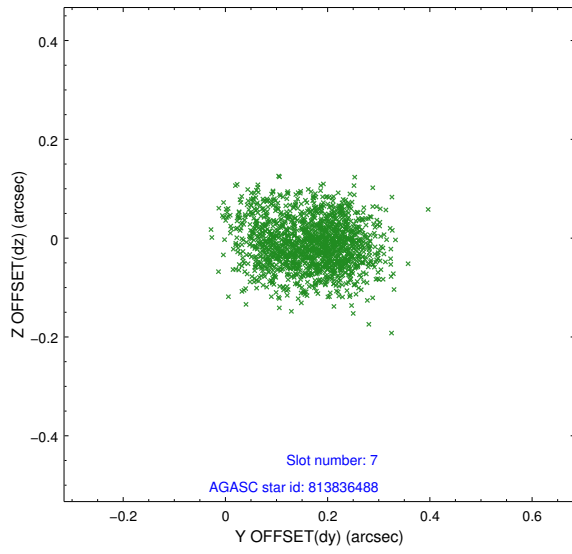
2.4.3 Slot 5



2.4.4 Slot 6

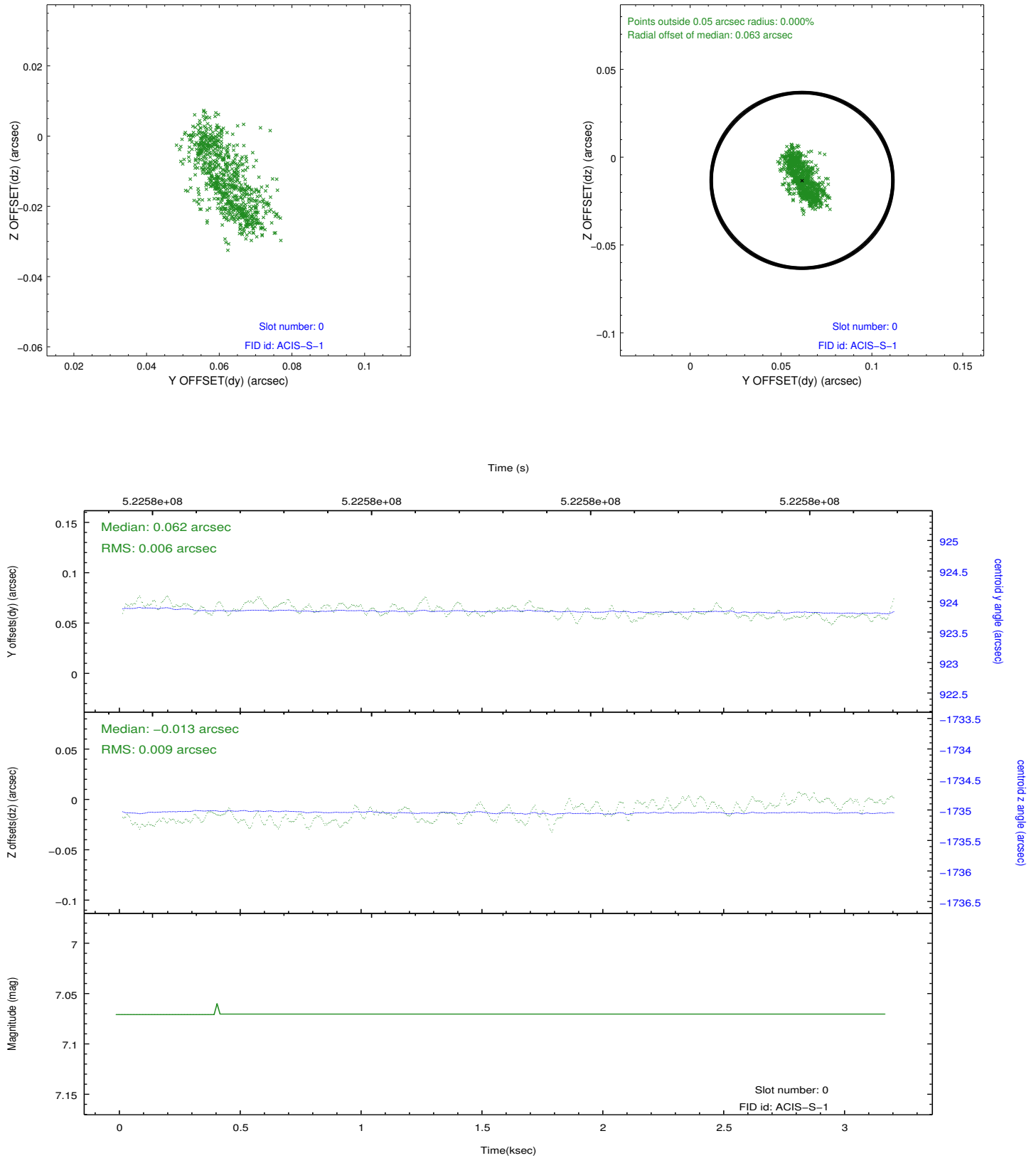


2.4.5 Slot 7

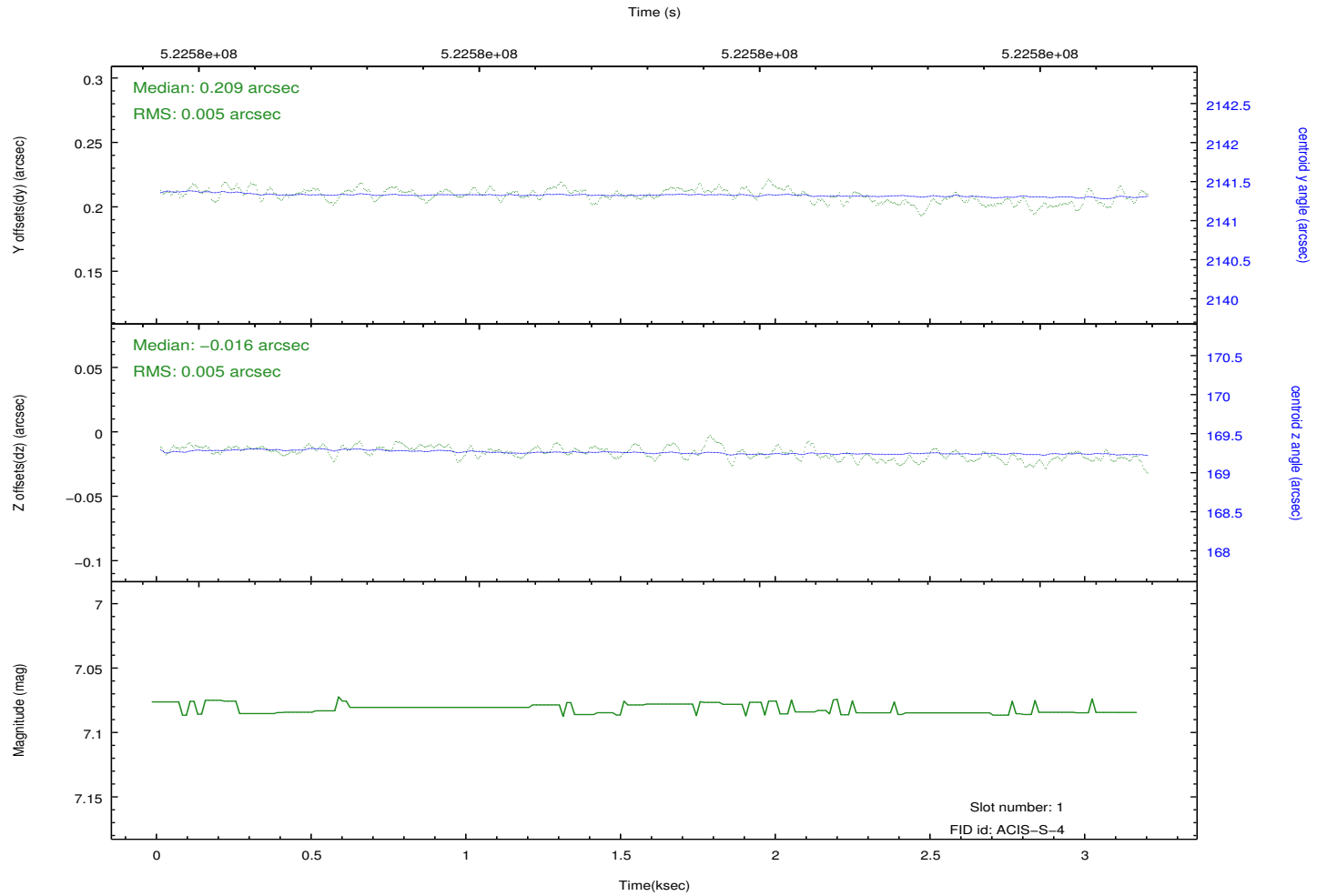
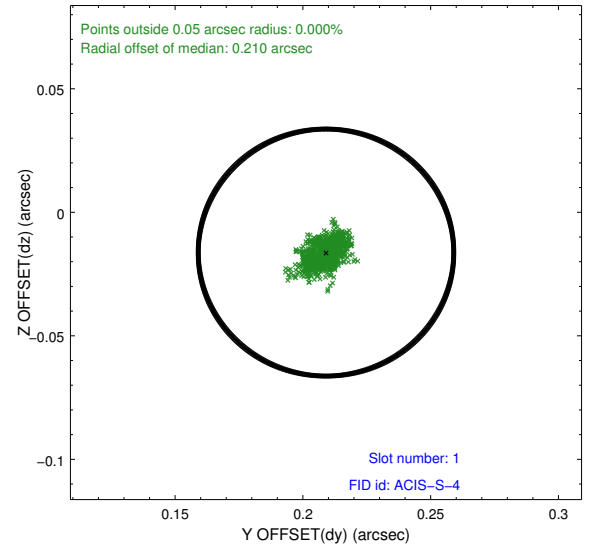
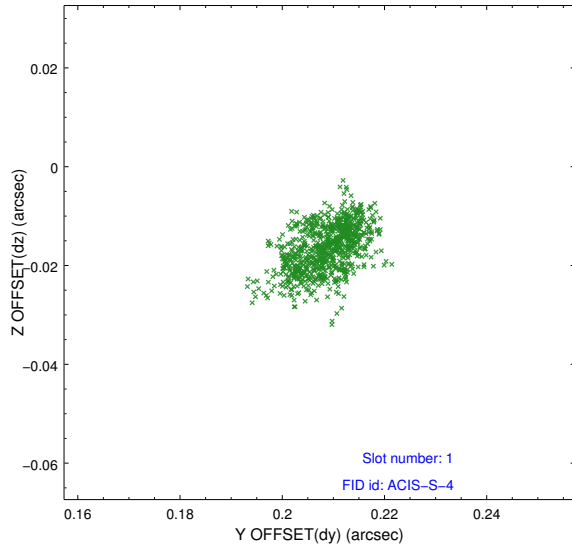


2.5 FID Slots

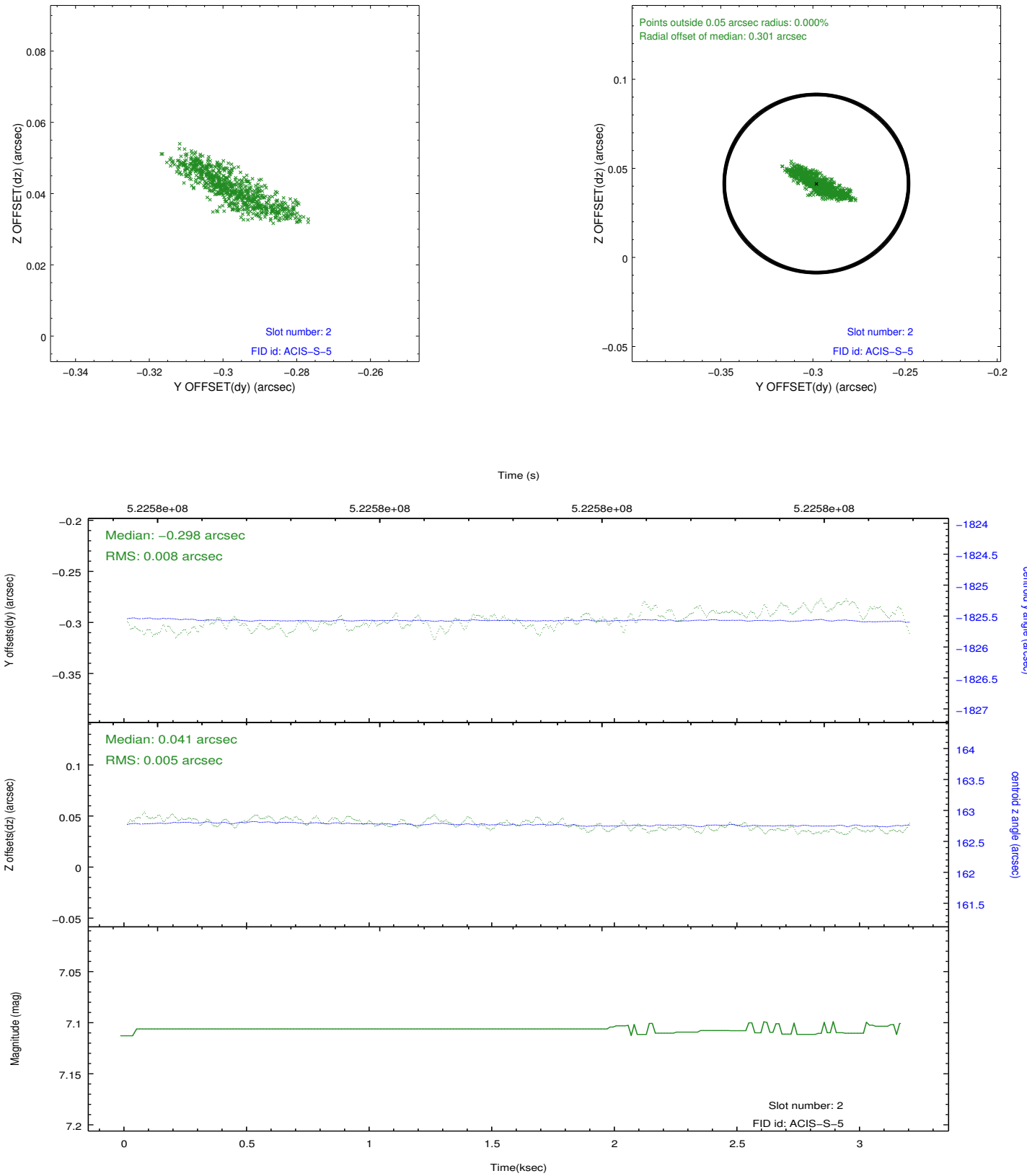
2.5.1 Slot 0



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)	2014.07.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.078300023675

A.2 Comments