

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 232 - L2 Version 4
Chandra X-Ray Center

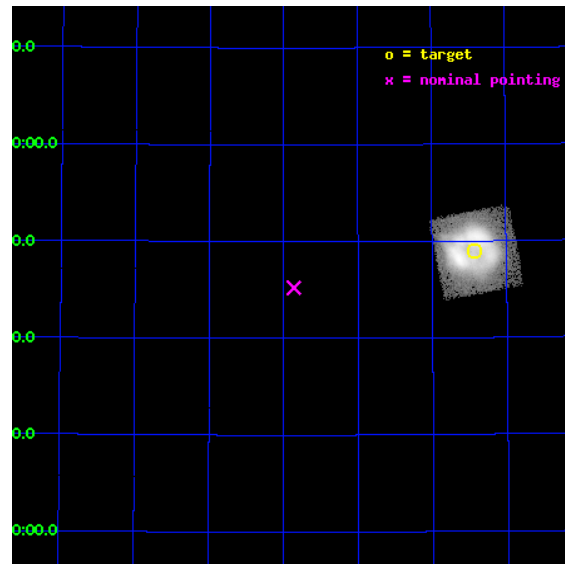
L2 Processing Date : Aug 23 2012

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1 Front

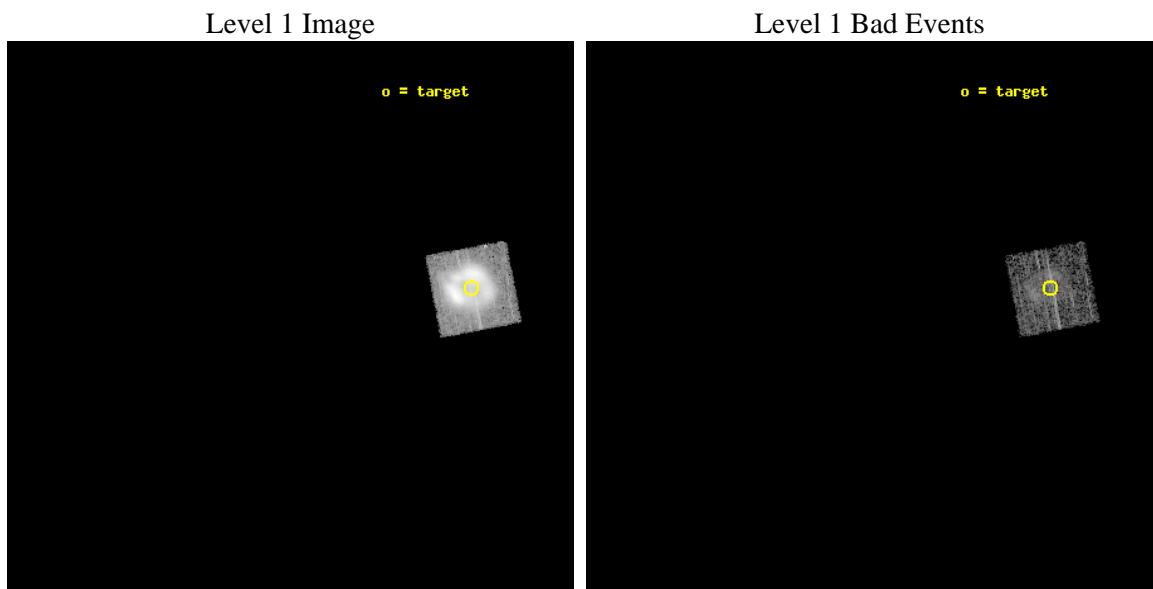
seq_num	590100	Sequence number
obs_id	232	Observation id
title	ACIS CHIP RESPONSE TO CAS A, APR. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip S5, T=120, Offsets=-19,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	351.46561012565	Nominal RA [deg]
dec_nom	58.753692275659	Nominal Dec [deg]
roll_nom	349.22415972738	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1268.5109737664	Sum of GTIs [s]
livetime	1252.448324011	Livetime [s]
ontime4	1349.616770193	Sum of GTIs [s]
ontime5	1349.6578101963	Sum of GTIs [s]
ontime6	1349.493650198	Sum of GTIs [s]
ontime7	1349.6988501996	Sum of GTIs [s]
ontime8	1349.5757302046	Sum of GTIs [s]
ontime9	1268.5109737664	Sum of GTIs [s]
l2events	211763	Number of level 2 events



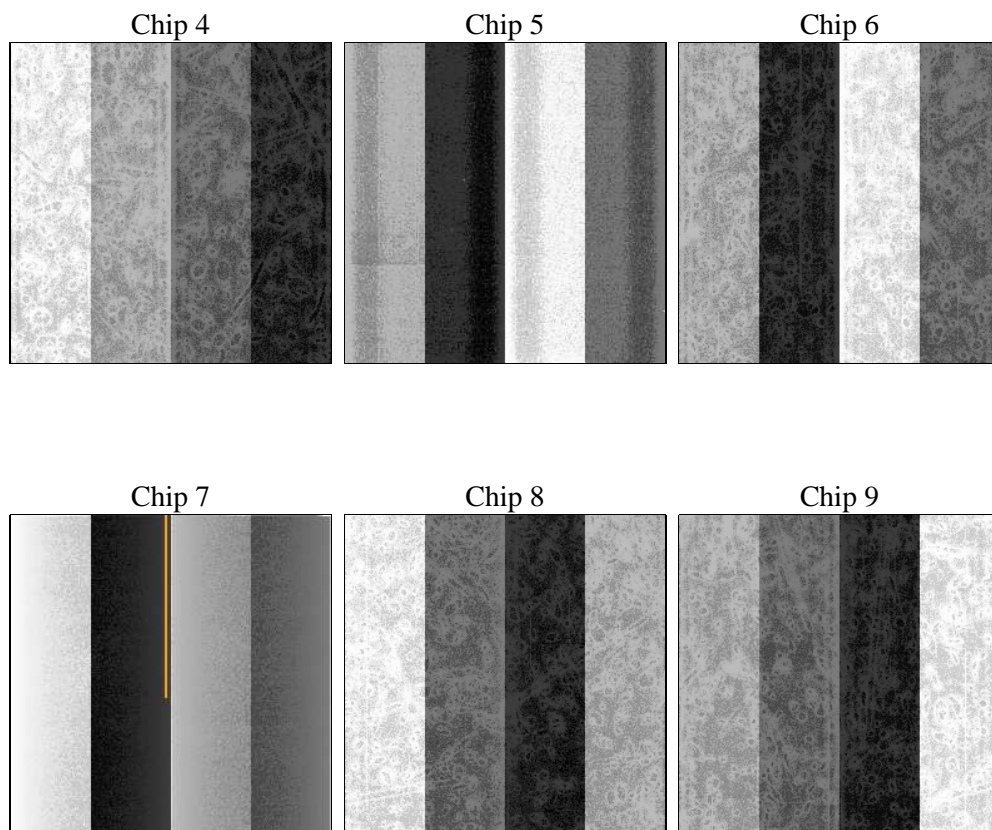
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1268.5109737664	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime4	1349.616770193	Sum of GTIs [s]
date	2012-08-23T19:23:08	Date and time of file creation	ontime5	1349.6578101963	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	1349.493650198	Sum of GTIs [s]
			ontime7	1349.6988501996	Sum of GTIs [s]
			ontime8	1349.5757302046	Sum of GTIs [s]
			ontime9	1268.5109737664	Sum of GTIs [s]
			l1events	265242	Number of level 1 events

2.1.4 Events

	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	0	0	0	0	0	265242
rejected events	0	0	0	0	0	47837
rejected %	0%	0%	0%	0%	0%	18%

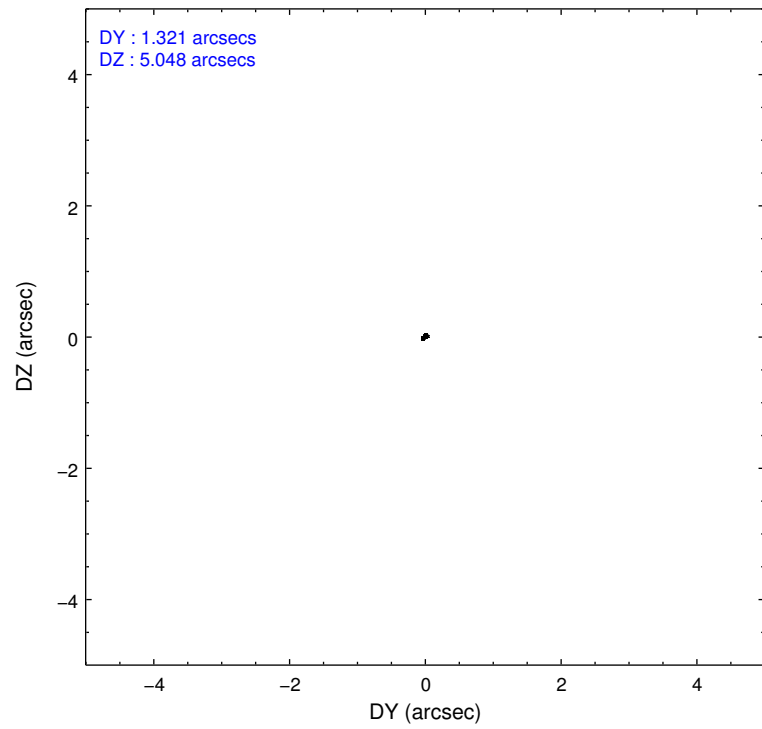
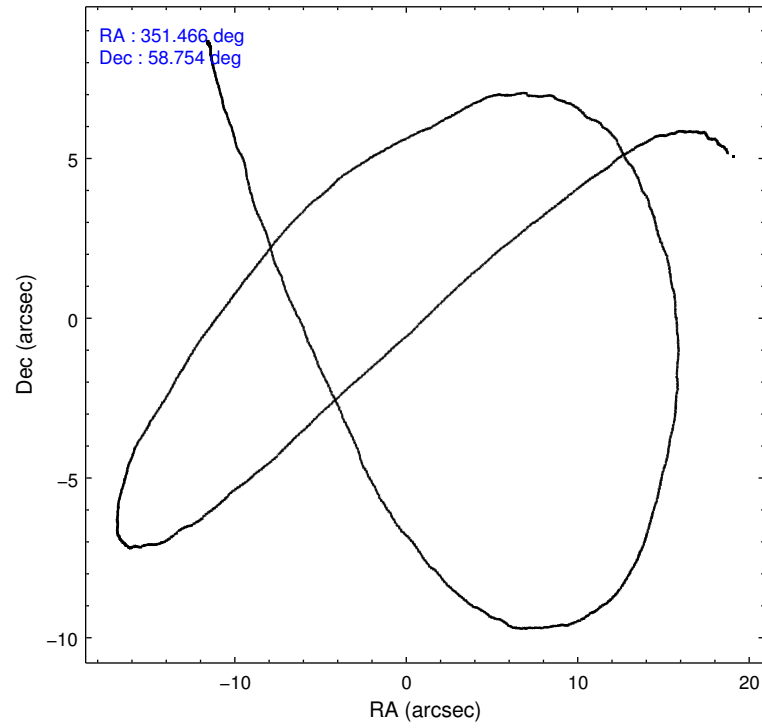
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	0	0	0	0	0	177454
	0%	0%	0%	0%	0%	66%
grade 1 events	0	0	0	0	0	1826
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	0	0	0	22622
	0%	0%	0%	0%	0%	8%
grade 3 events	0	0	0	0	0	6797
	0%	0%	0%	0%	0%	2%
grade 4 events	0	0	0	0	0	6686
	0%	0%	0%	0%	0%	2%
grade 5 events	0	0	0	0	0	1762
	0%	0%	0%	0%	0%	0%
grade 6 events	0	0	0	0	0	4937
	0%	0%	0%	0%	0%	1%
grade 7 events	0	0	0	0	0	43158
	0%	0%	0%	0%	0%	16%

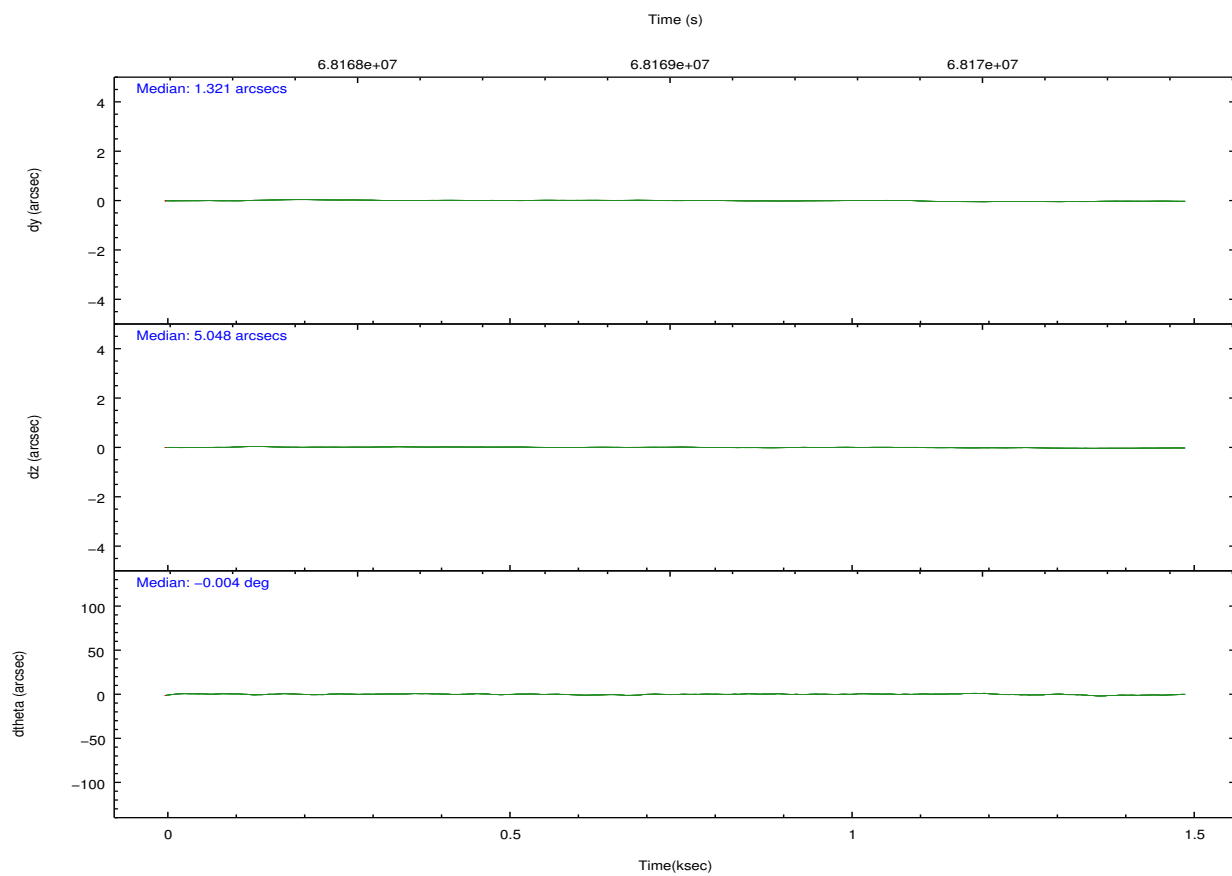
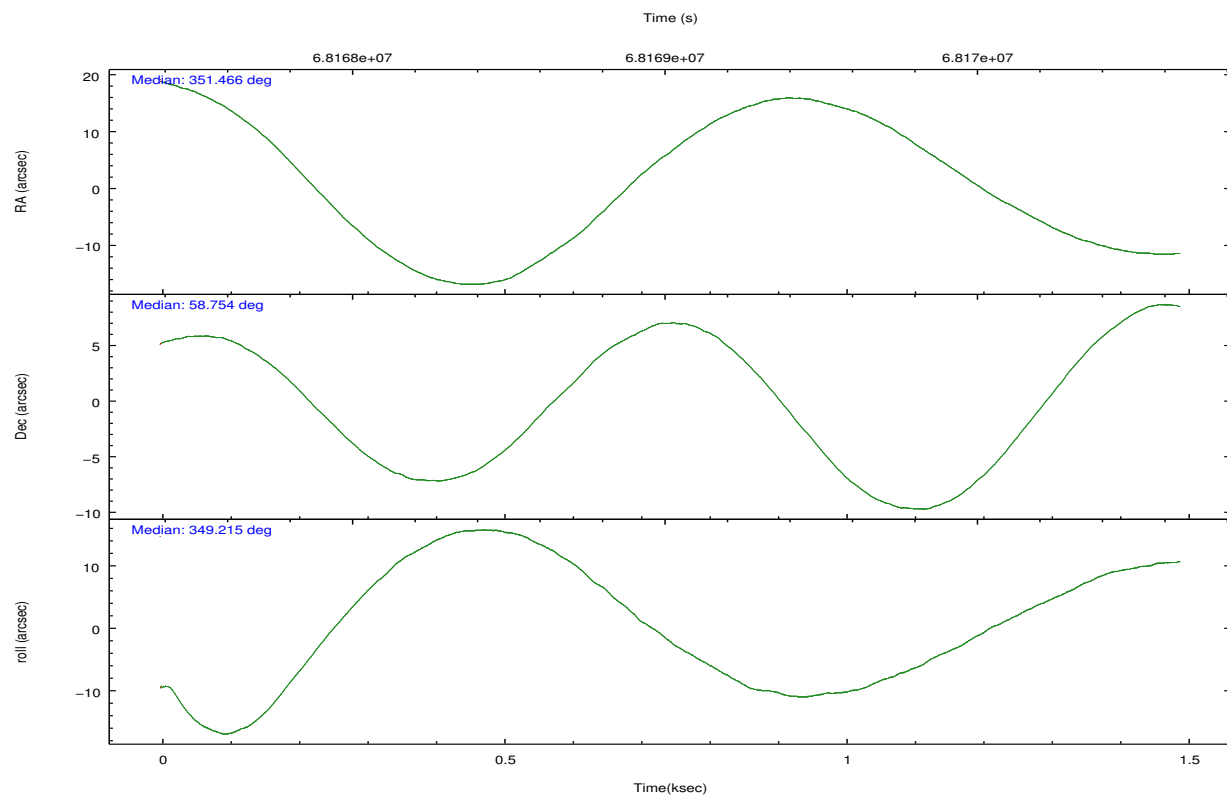
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-456789	ACIS-456789
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	351.415680	351.4656101256481
[deg] Pointing Dec	58.744480	58.75369227565928
[deg] Pointing Roll	349.110188	349.2241597273766
[s] Window start time (MET)	65750464.184000	65750464.184000
[s] Window stop time (MET)	68256064.184000	68256064.184000
[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)	68168750.184000	68168084.437217
Observation start date	2000-02-28T23:44:46	2000-02-28T23:34:44
[s] Observation end time (MET)	68169750.184000	68170578.262308
Observation end date	2000-02-29T00:01:26	2000-02-29T00:16:18
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



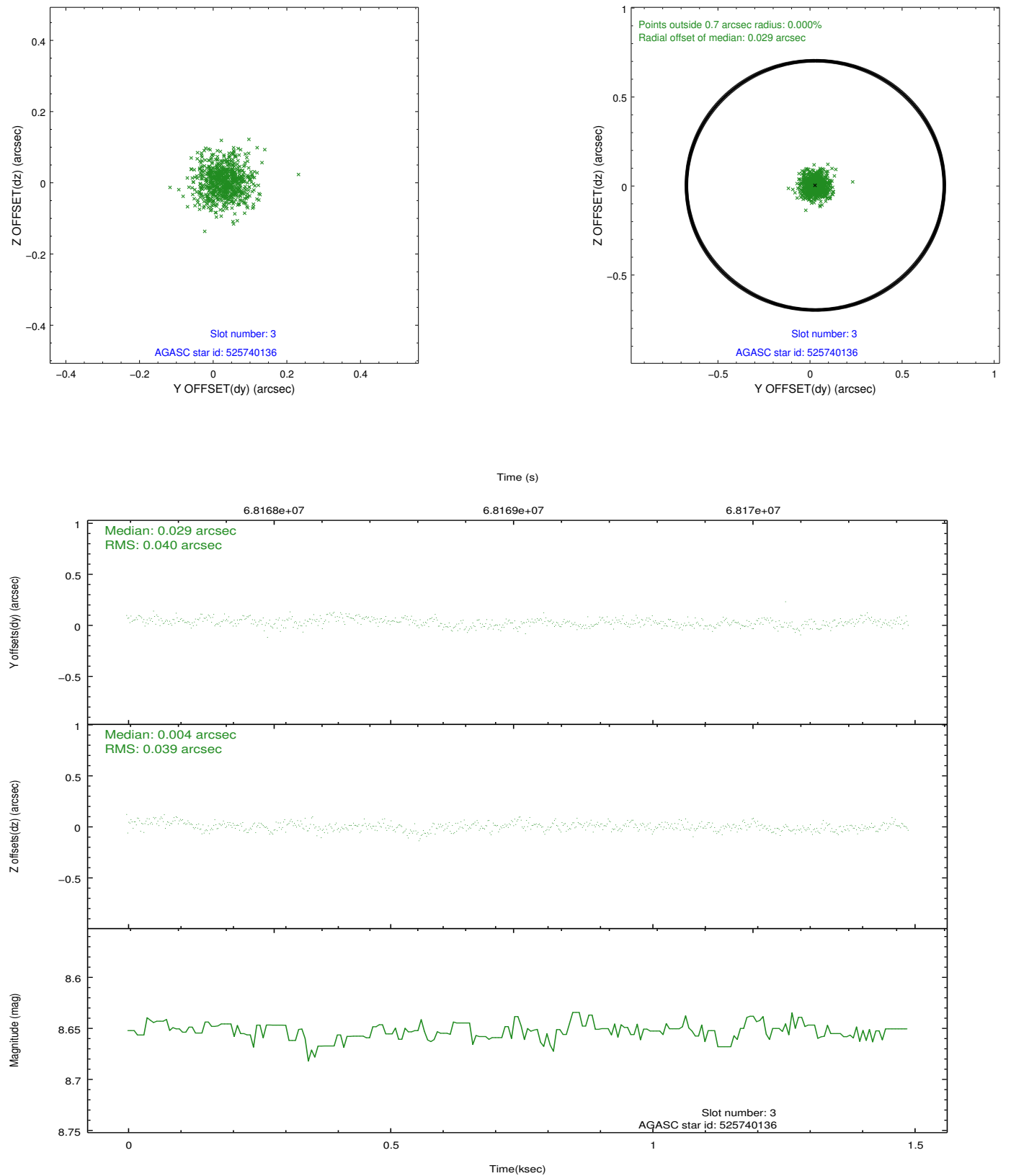


Slot Statistics

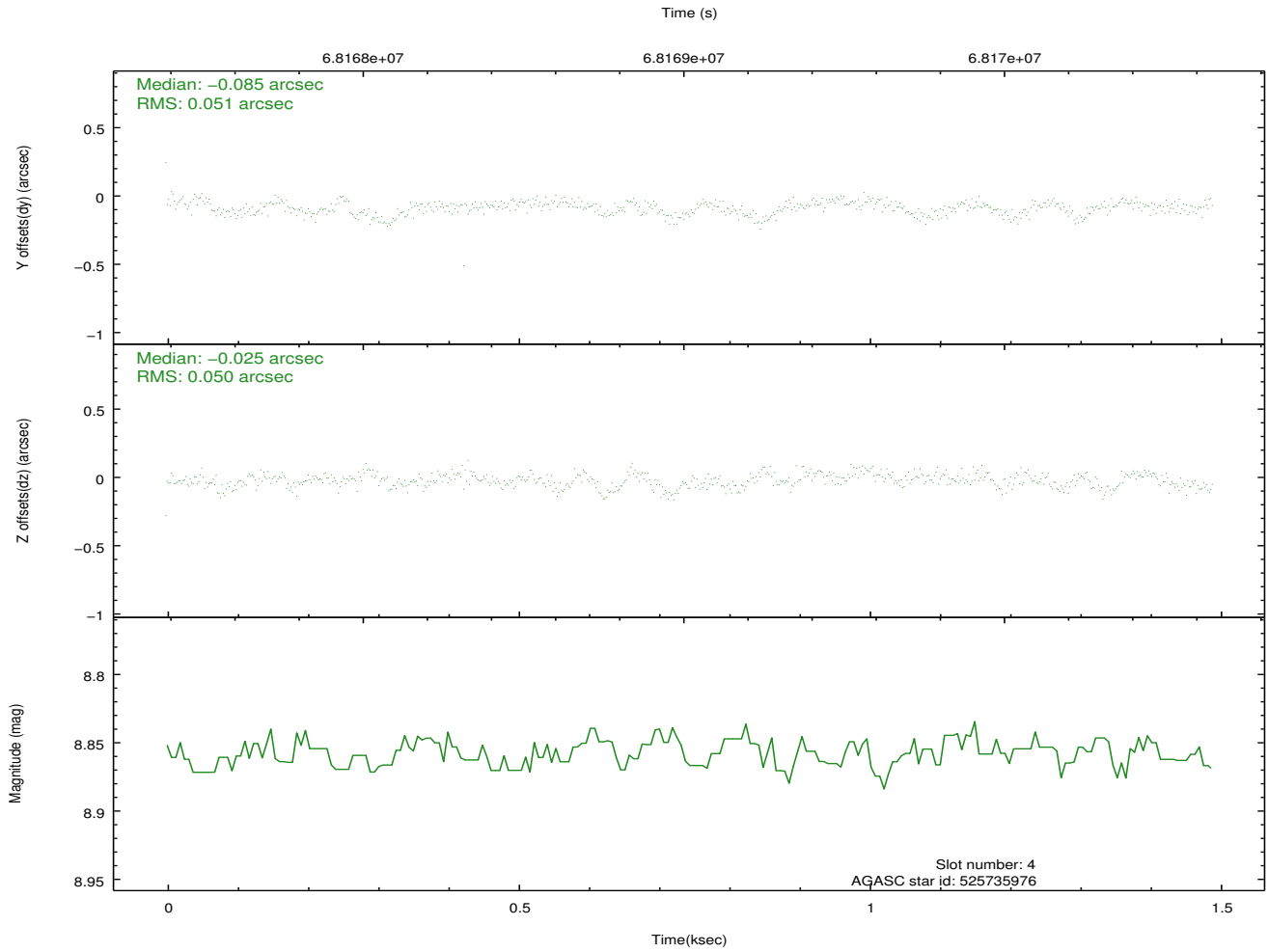
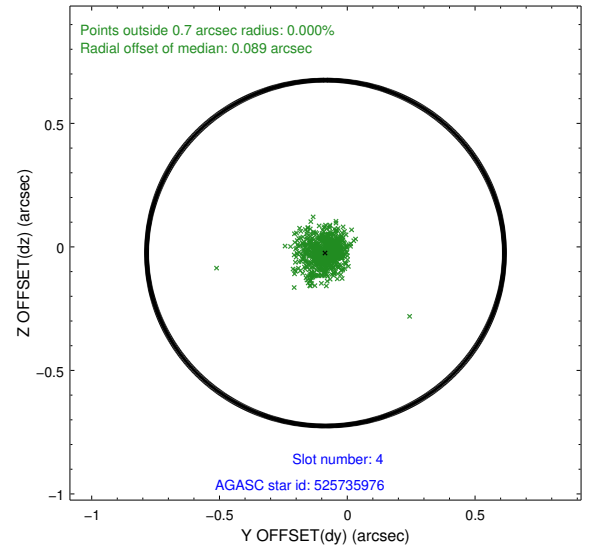
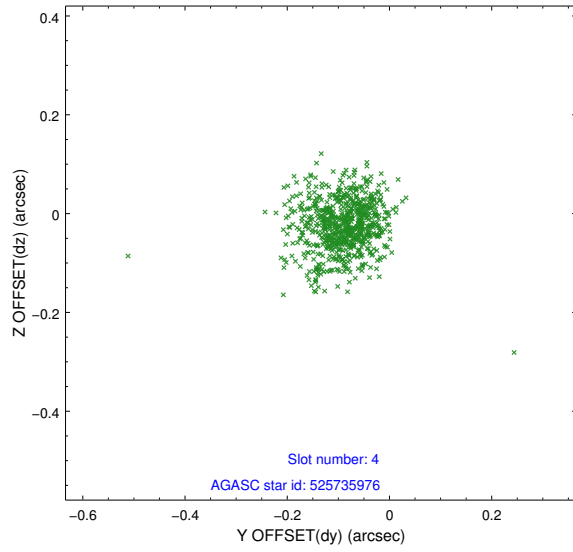
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.36	364	-0.030	-0.006	0.008	0.014	0.000000	0.000000	59.25	-1855.18
1	FID	ACIS-S-4	7.21	364	0.007	0.020	0.006	0.010	0.000000	0.000000	2159.61	177.45
2	FID	ACIS-S-5	7.23	364	-0.005	-0.003	0.007	0.011	0.000000	0.000000	-1801.02	176.52
3	GUIDE	525740136	8.65	728	0.029	0.004	0.060	0.098	352.585881	58.767876	2125.45	513.56
4	GUIDE	525735976	8.86	728	-0.085	-0.025	0.074	0.123	350.142956	58.277622	-2049.23	-2083.67
5	GUIDE	525736400	9.07	728	0.065	0.113	0.075	0.127	350.974563	59.175145	-1095.32	1367.61
6	GUIDE	525207384	9.72	727	0.079	-0.028	0.111	0.177	351.880308	58.083642	1316.35	-2164.96
7	GUIDE	525732896	9.71	727	-0.085	-0.069	0.102	0.156	351.456486	59.410070	-377.79	2363.17

2.4 Star Slots

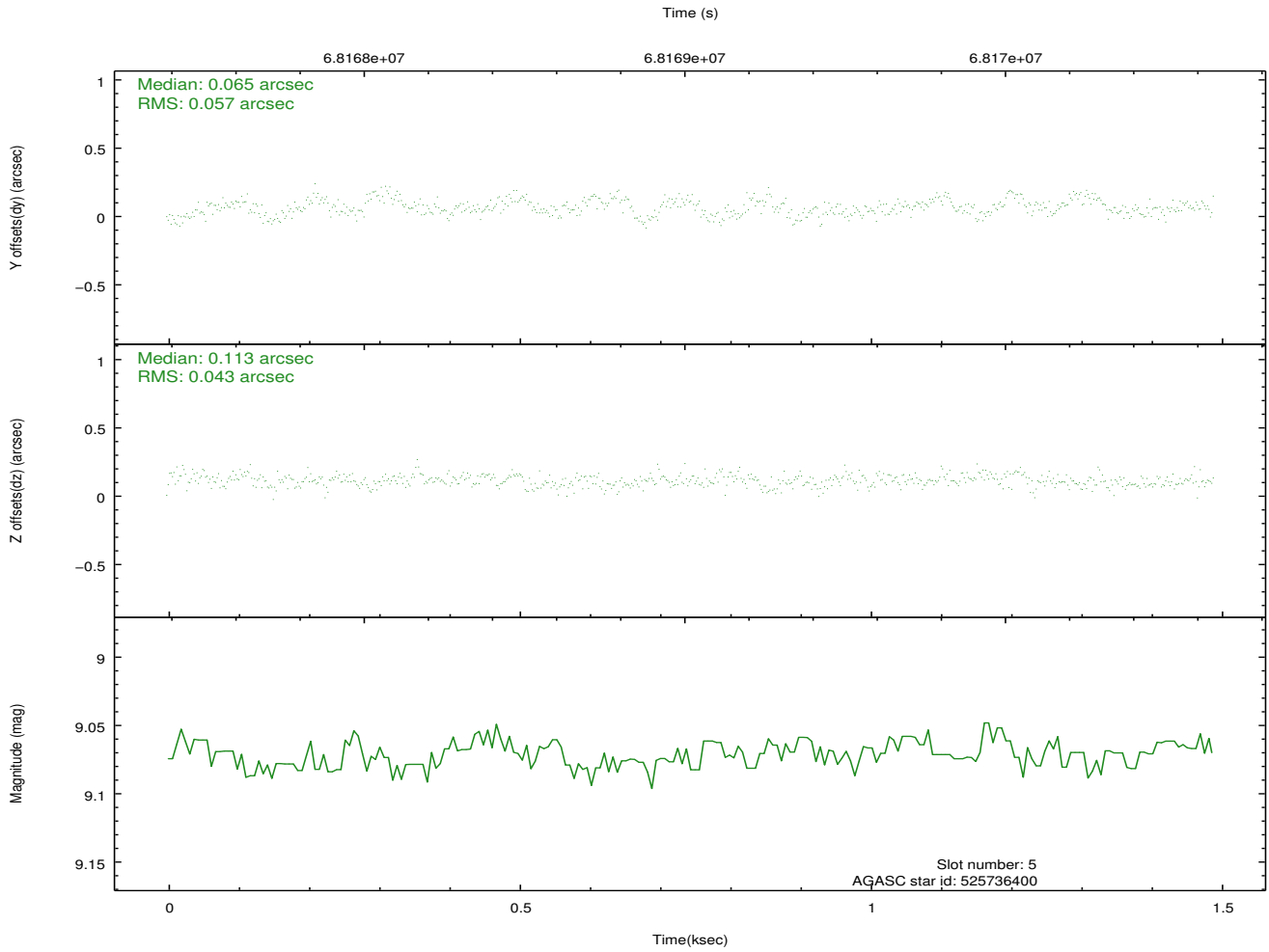
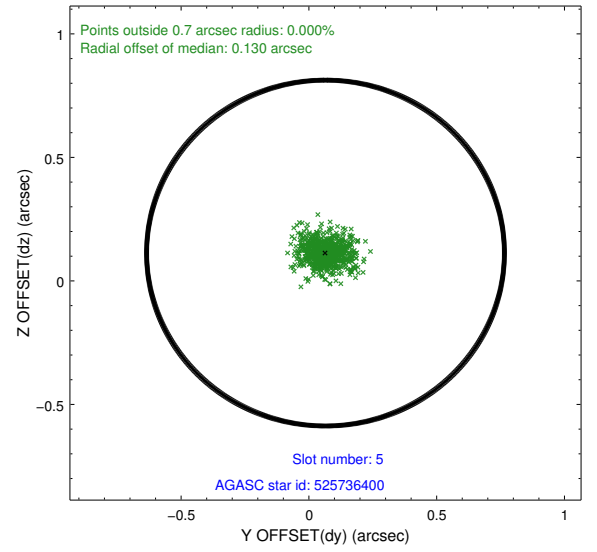
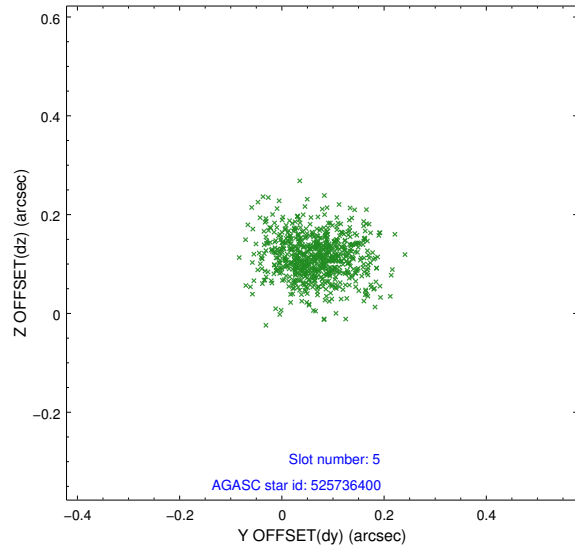
2.4.1 Slot 3



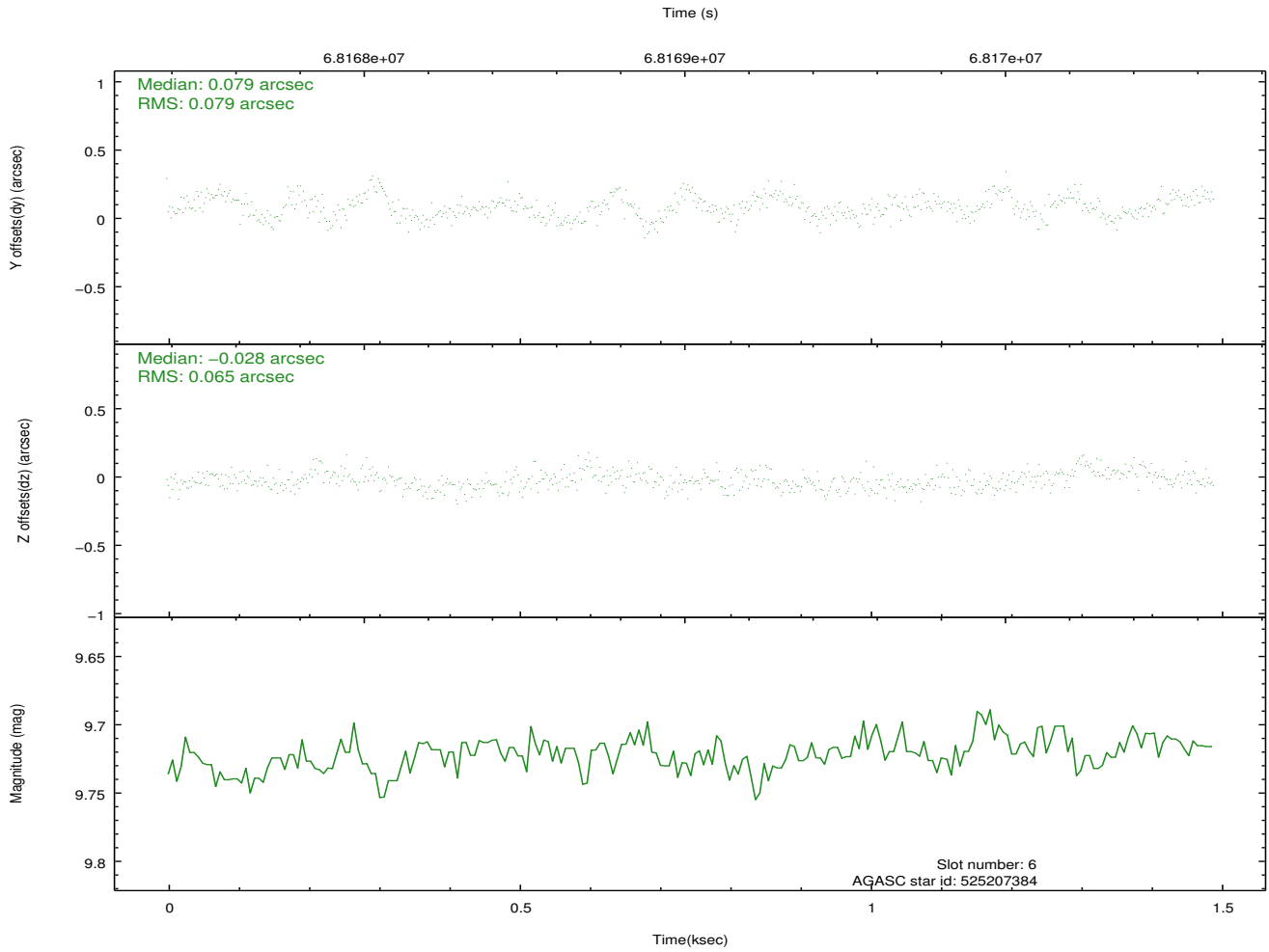
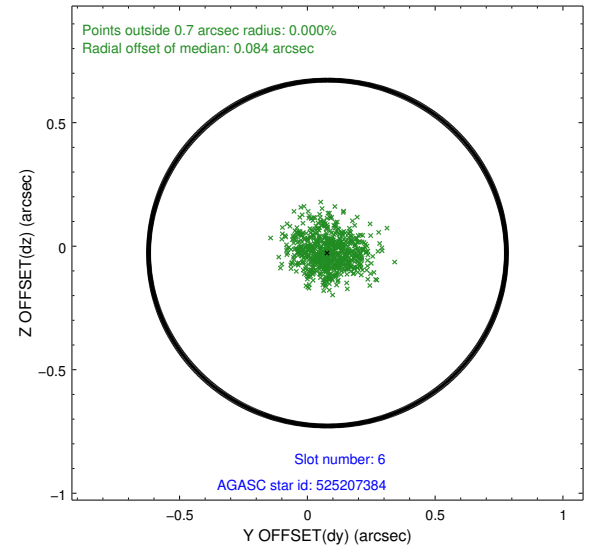
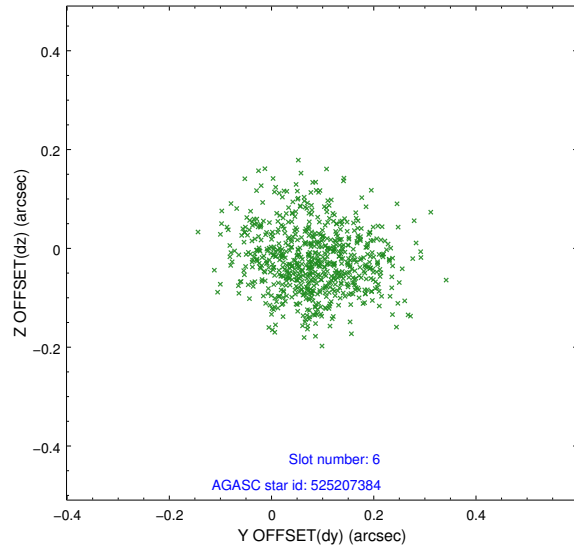
2.4.2 Slot 4



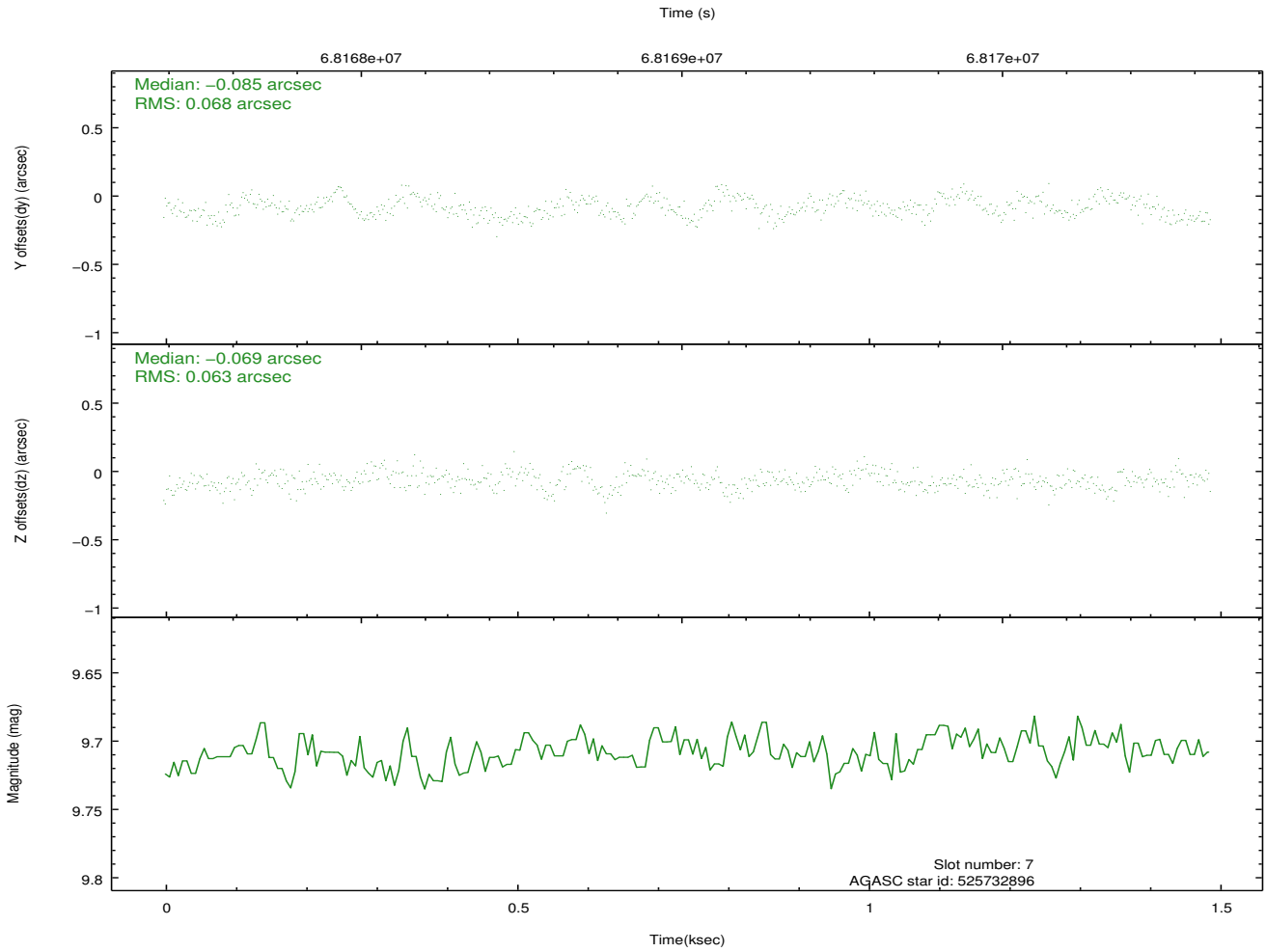
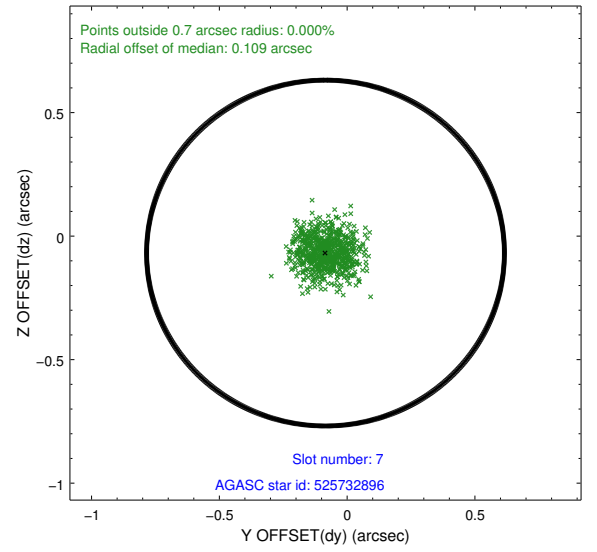
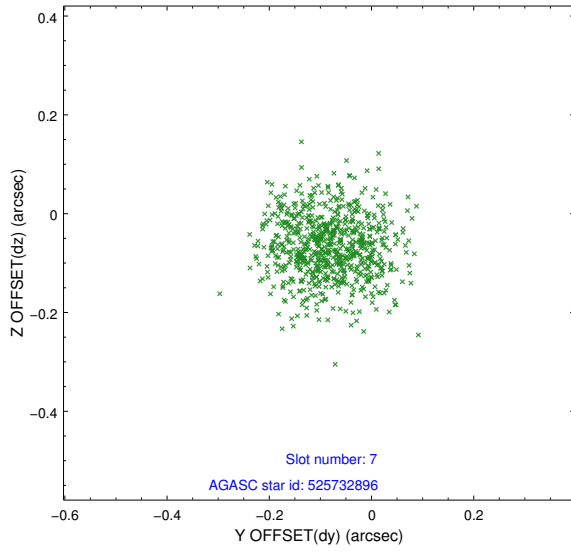
2.4.3 Slot 5



2.4.4 Slot 6

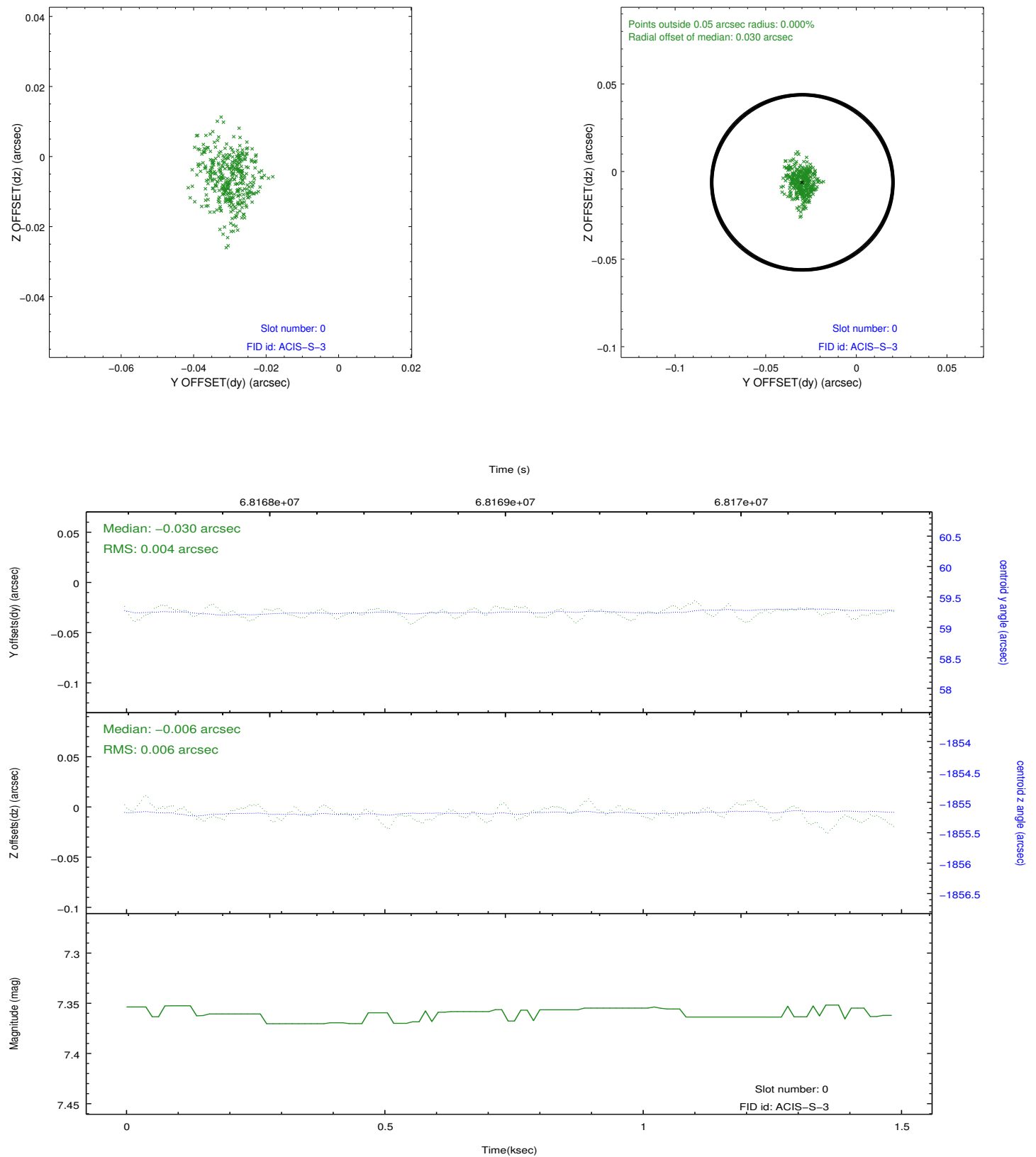


2.4.5 Slot 7

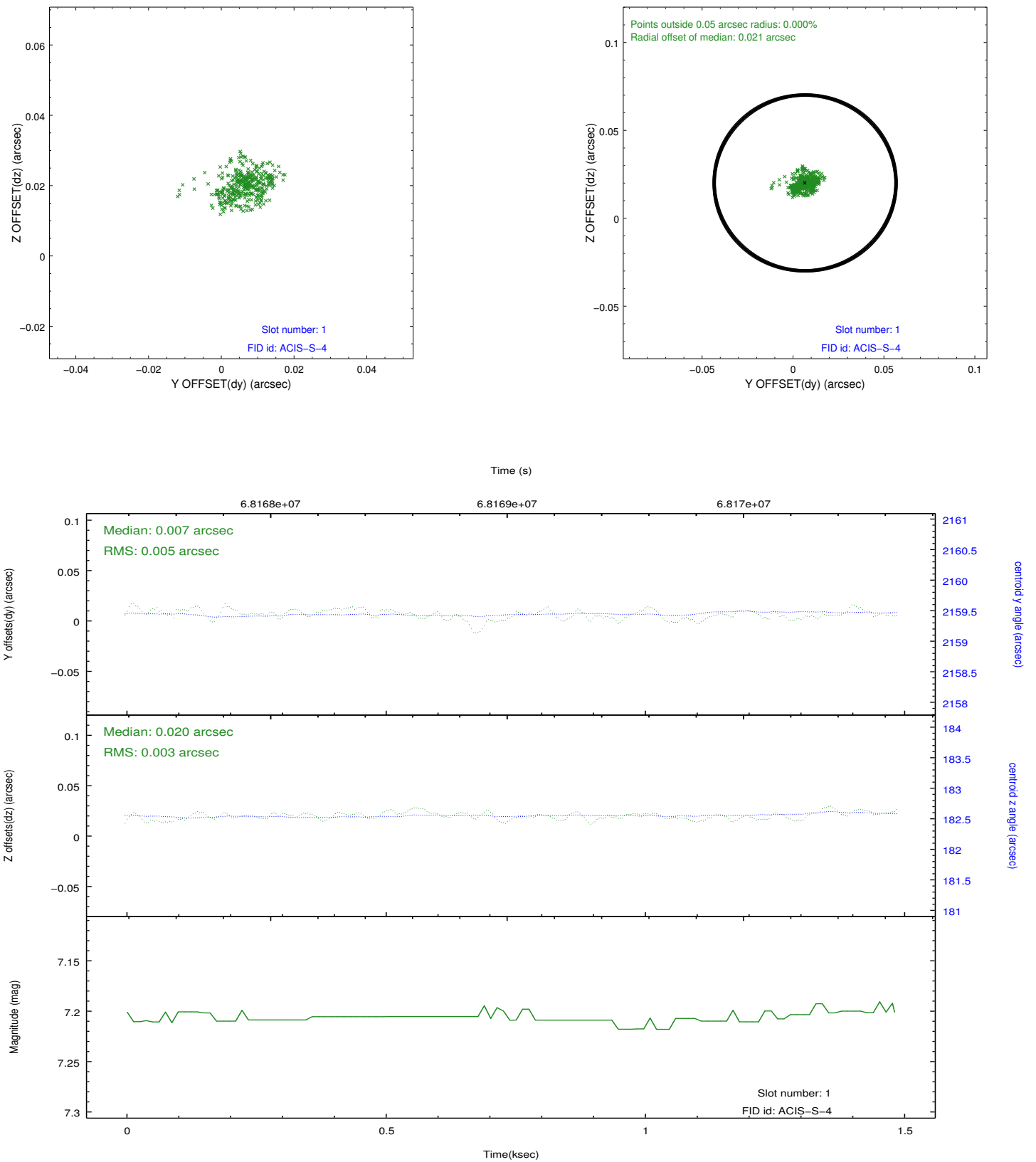


2.5 FID Slots

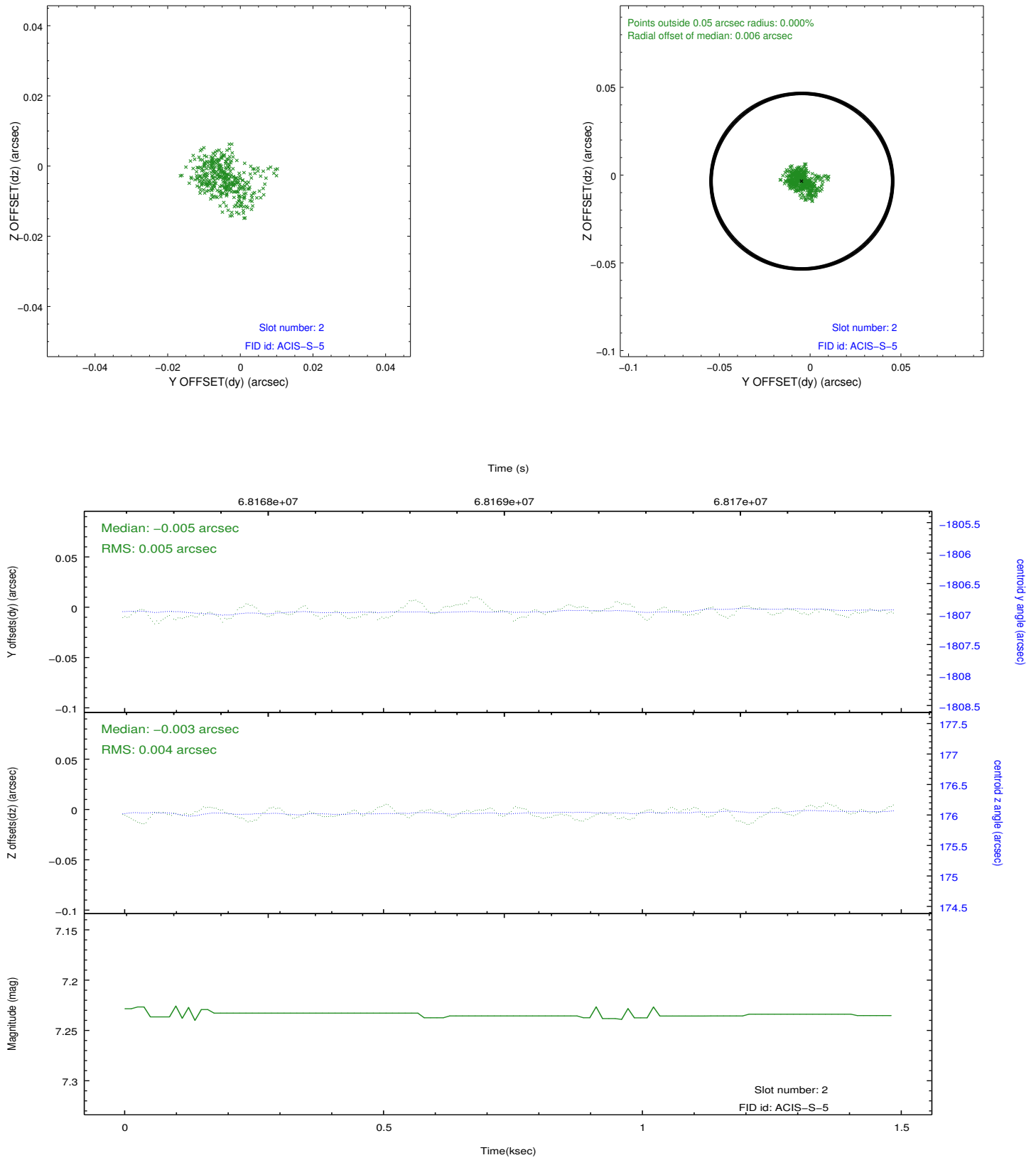
2.5.1 Slot 0



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)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.27

A.2 Comments

Window constraint met.