

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 224 - L2 Version 4
Chandra X-Ray Center

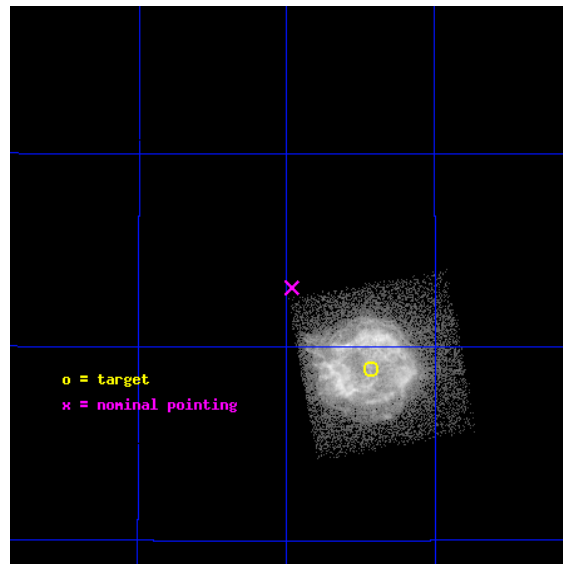
L2 Processing Date : Aug 23 2012

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1 Front

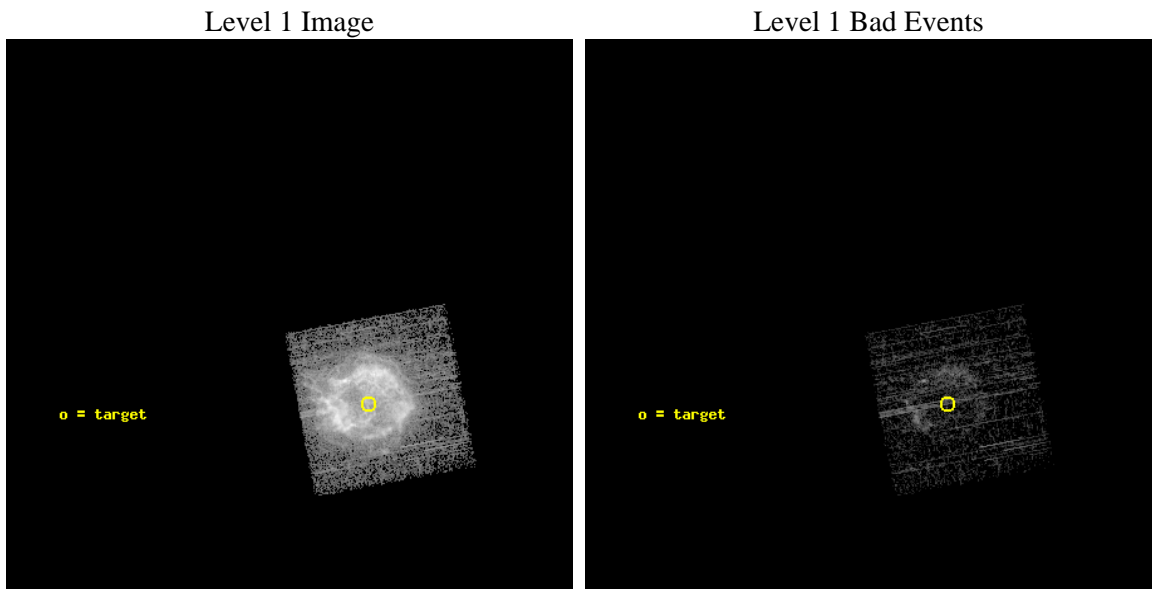
seq_num	590092	Sequence number
obs_id	224	Observation id
title	ACIS CHIP RESPONSE TO CAS A, APR. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip I1, T=120, Offsets=-3,-5,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.99145955769	Nominal RA [deg]
dec_nom	58.884539850252	Nominal Dec [deg]
roll_nom	349.3612669255	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1030.6406959742	Sum of GTIs [s]
livetime	1017.5901029045	Livetime [s]
ontime0	1349.6032296121	Sum of GTIs [s]
ontime1	1030.6406959742	Sum of GTIs [s]
ontime2	1349.5211695582	Sum of GTIs [s]
ontime3	1349.4801295549	Sum of GTIs [s]
ontime6	1349.4390895516	Sum of GTIs [s]
ontime7	1349.6442696154	Sum of GTIs [s]
l2events	212045	Number of level 2 events



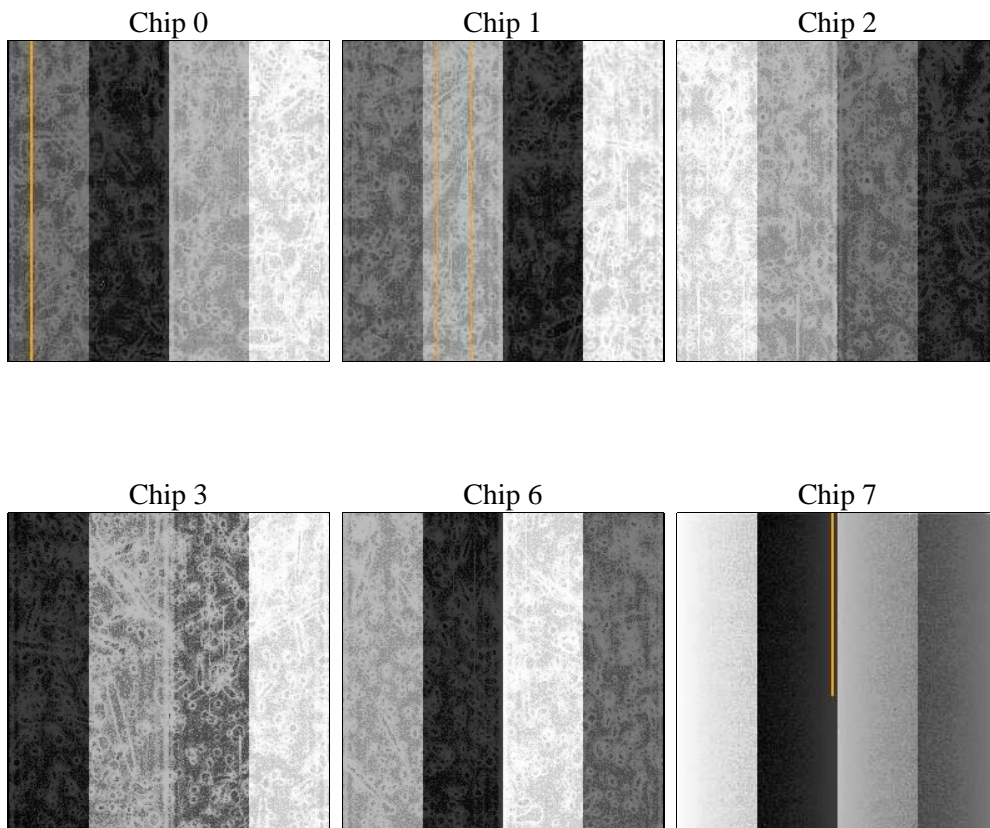
2 OBI

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	1030.6406959742	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	1349.6032296121	Sum of GTIs [s]
date	2012-08-23T19:06:13	Date and time of file creation	ontime1	1030.6406959742	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	1349.5211695582	Sum of GTIs [s]
			ontime3	1349.4801295549	Sum of GTIs [s]
			ontime6	1349.4390895516	Sum of GTIs [s]
			ontime7	1349.6442696154	Sum of GTIs [s]
			l1events	267480	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	0	267480	0	0	0	0
rejected events	0	40014	0	0	0	0
rejected %	0%	14%	0%	0%	0%	0%

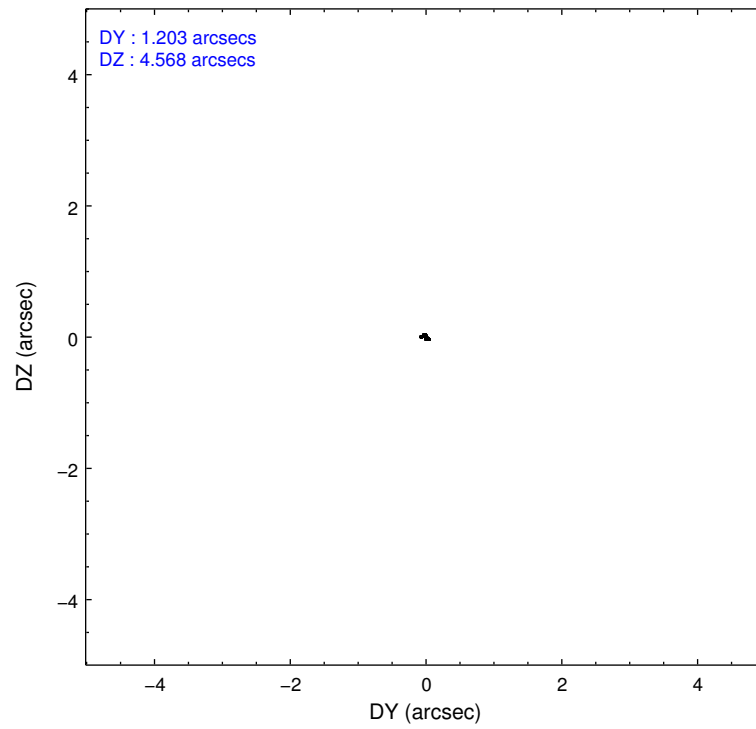
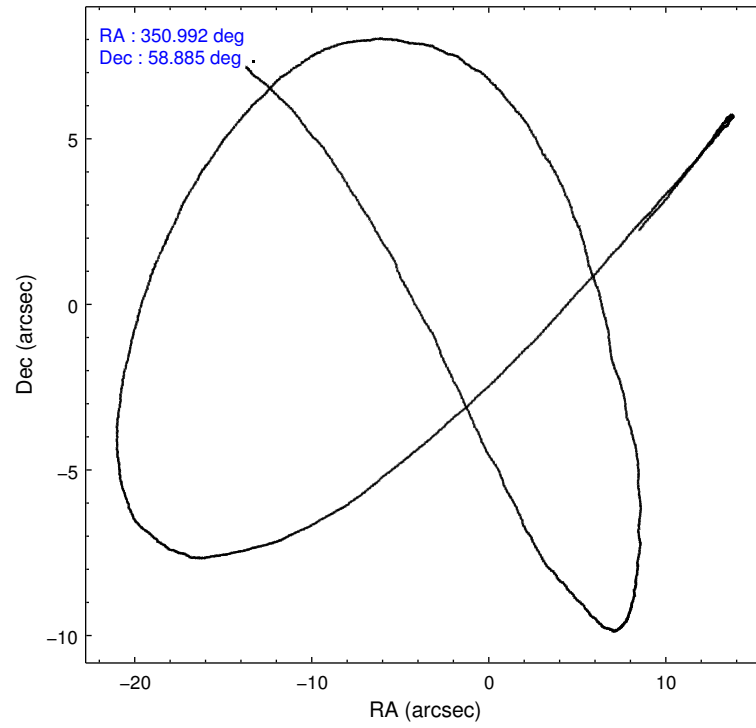
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	183770	0	0	0	0
	0%	68%	0%	0%	0%	0%
grade 1 events	0	2899	0	0	0	0
	0%	1%	0%	0%	0%	0%
grade 2 events	0	23984	0	0	0	0
	0%	8%	0%	0%	0%	0%
grade 3 events	0	7717	0	0	0	0
	0%	2%	0%	0%	0%	0%
grade 4 events	0	7567	0	0	0	0
	0%	2%	0%	0%	0%	0%
grade 5 events	0	1900	0	0	0	0
	0%	0%	0%	0%	0%	0%
grade 6 events	0	5139	0	0	0	0
	0%	1%	0%	0%	0%	0%
grade 7 events	0	34504	0	0	0	0
	0%	12%	0%	0%	0%	0%

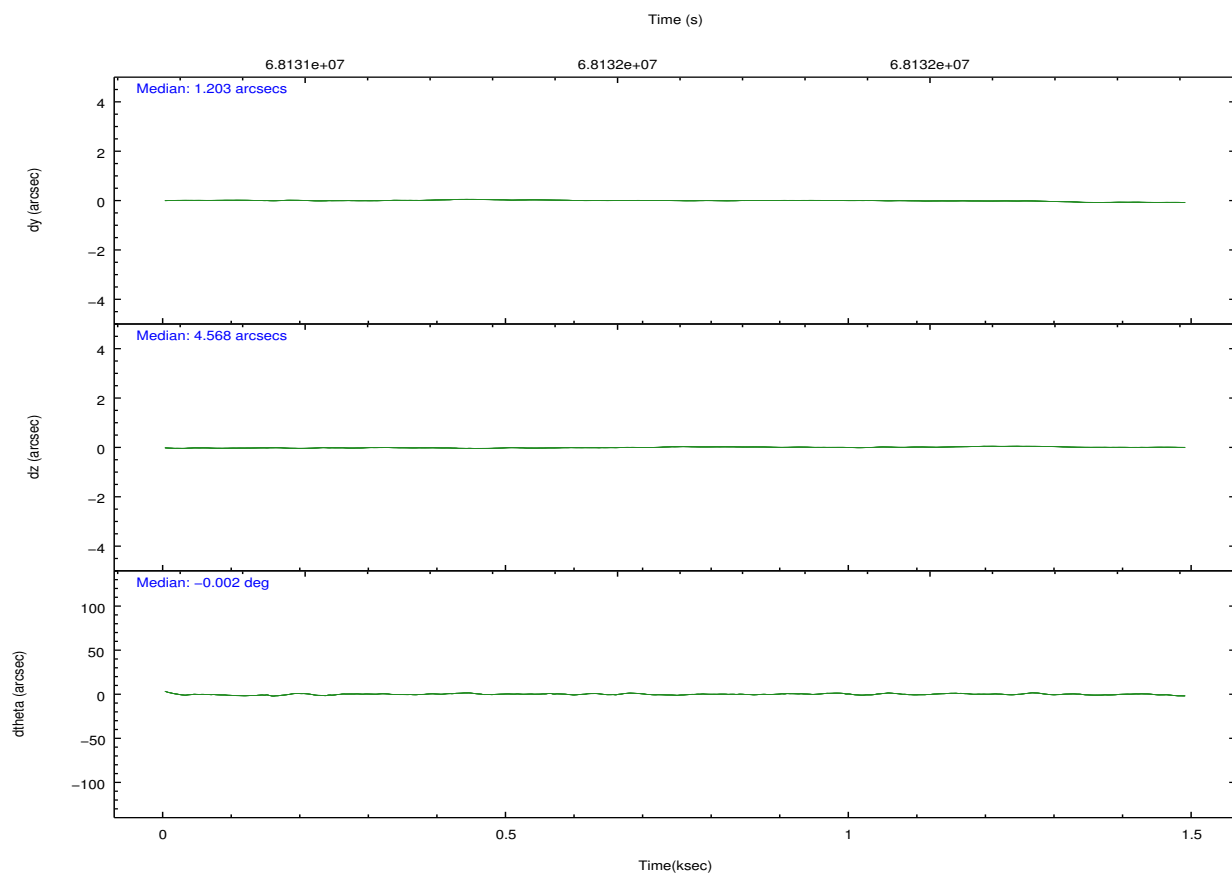
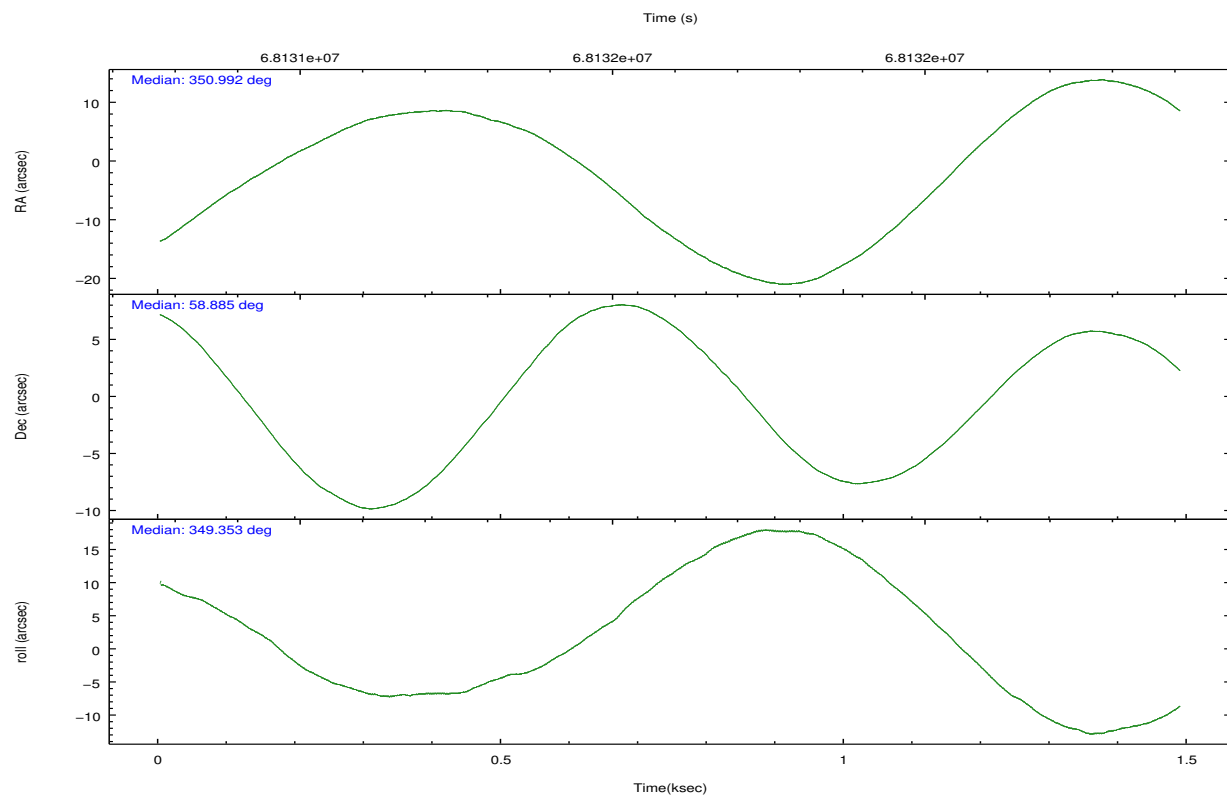
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-012367	ACIS-012367
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	350.940162	350.9914595576945
[deg] Pointing Dec	58.875582	58.88453985025162
[deg] Pointing Roll	349.196508	349.3612669254982
[s] Window start time (MET)	65750464.184000	65750464.184000
[s] Window stop time (MET)	68256064.184000	68256064.184000
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-233.592463	-233.5874344608287
[mm] SIM translation stage offset	0	-0.005018542100998502
[s] Observation start time (MET)	68131339.184000	68130672.960851
Observation start date	2000-02-28T13:21:15	2000-02-28T13:11:12
[s] Observation end time (MET)	68132339.184000	68132472.860917
Observation end date	2000-02-28T13:37:55	2000-02-28T13:41:12
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



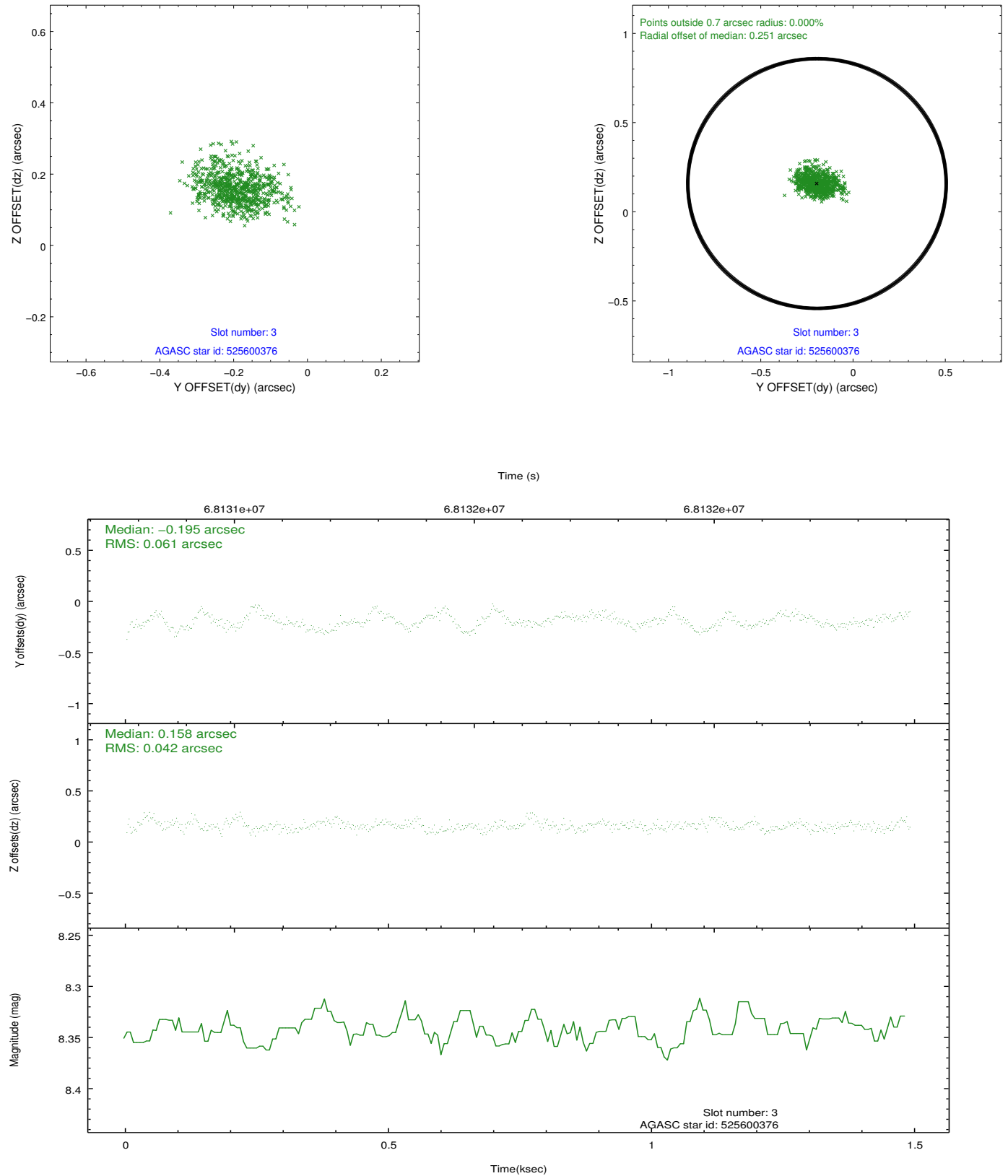


Slot Statistics

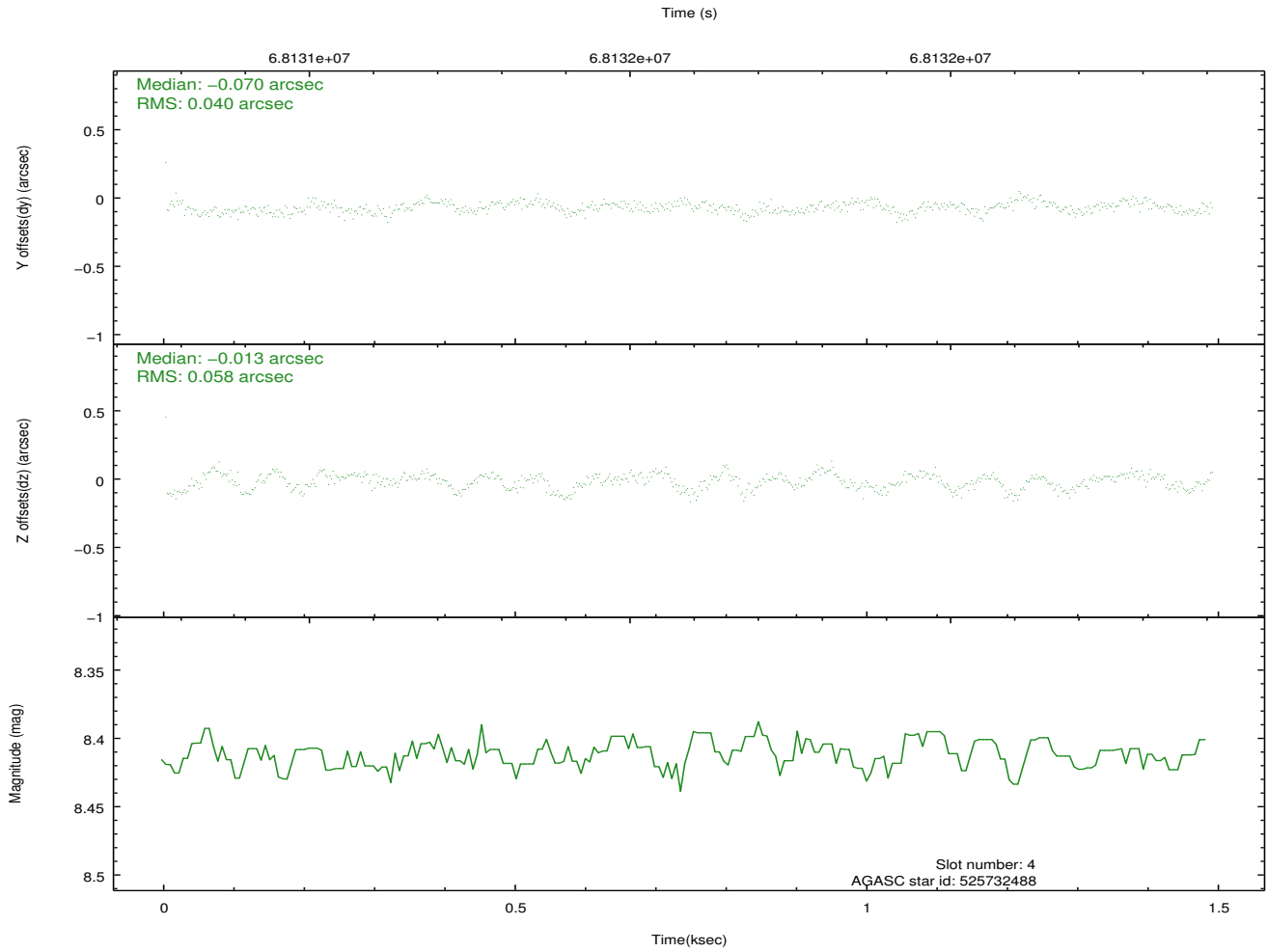
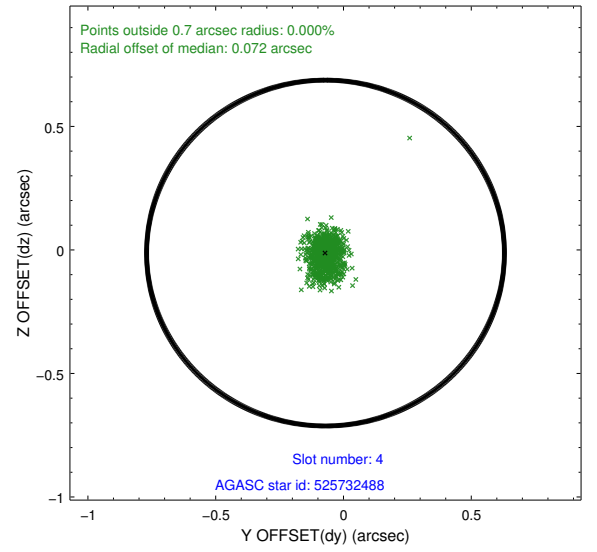
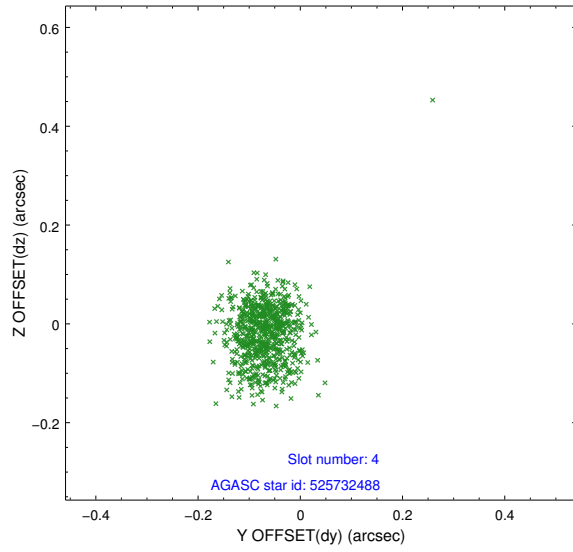
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	363	-0.034	-0.030	0.009	0.017	0.000000	0.000000	-755.56	-834.29
1	FID	ACIS-I-4	7.19	363	-0.013	0.035	0.006	0.010	0.000000	0.000000	2156.51	1069.73
2	FID	ACIS-I-5	7.23	363	-0.054	0.063	0.009	0.016	0.000000	0.000000	-1803.67	1072.67
3	GUIDE	525600376	8.34	727	-0.195	0.158	0.080	0.131	349.956653	59.633357	-2274.63	2356.58
4	GUIDE	525732488	8.41	727	-0.070	-0.013	0.071	0.114	350.087090	58.516915	-1340.37	-1556.36
5	GUIDE	525731480	9.50	726	0.021	0.013	0.084	0.138	351.647209	58.687294	1421.29	-413.43
6	GUIDE	525207384	9.73	727	0.200	-0.207	0.112	0.190	351.880308	58.083642	2290.17	-2453.81
7	GUIDE	525739240	9.62	725	0.031	0.059	0.087	0.142	350.642893	59.099564	-690.15	686.36

2.4 Star Slots

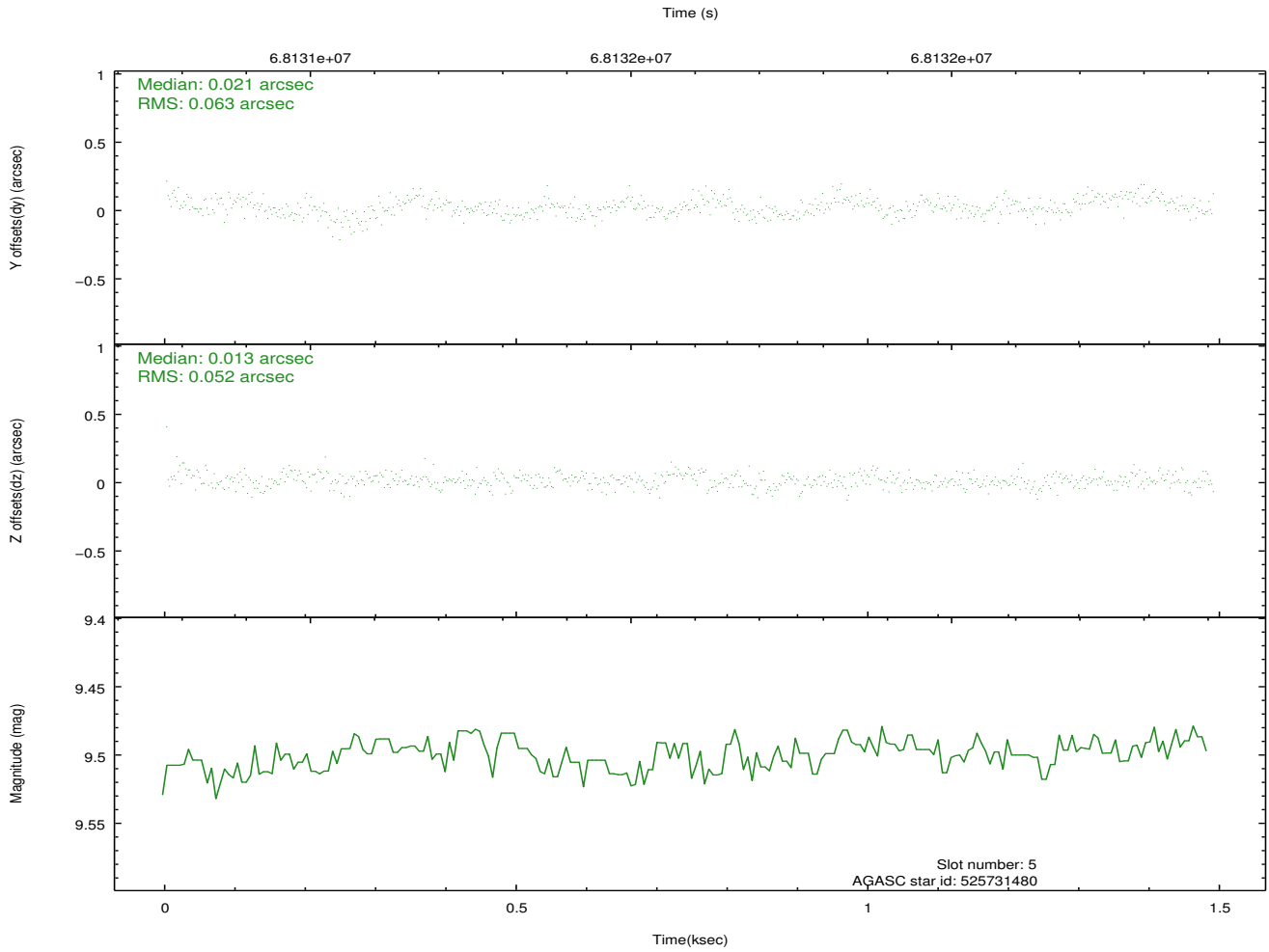
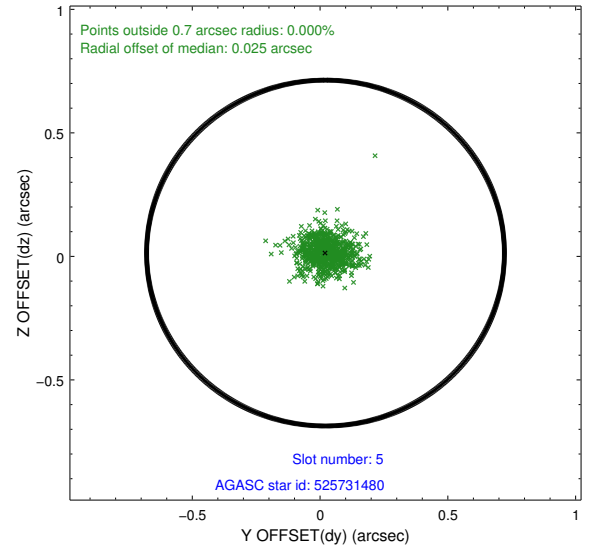
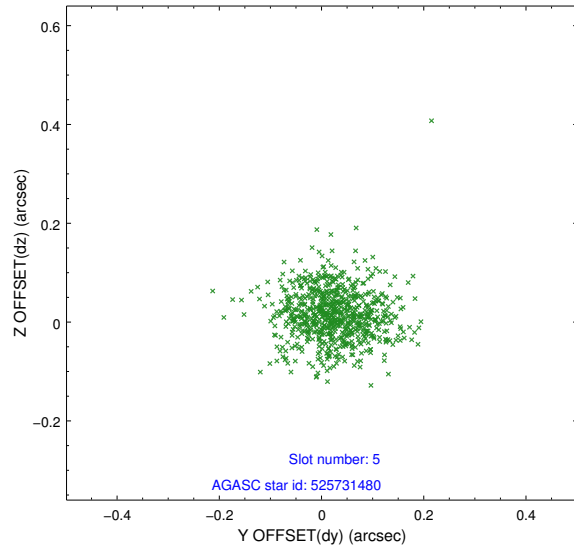
2.4.1 Slot 3



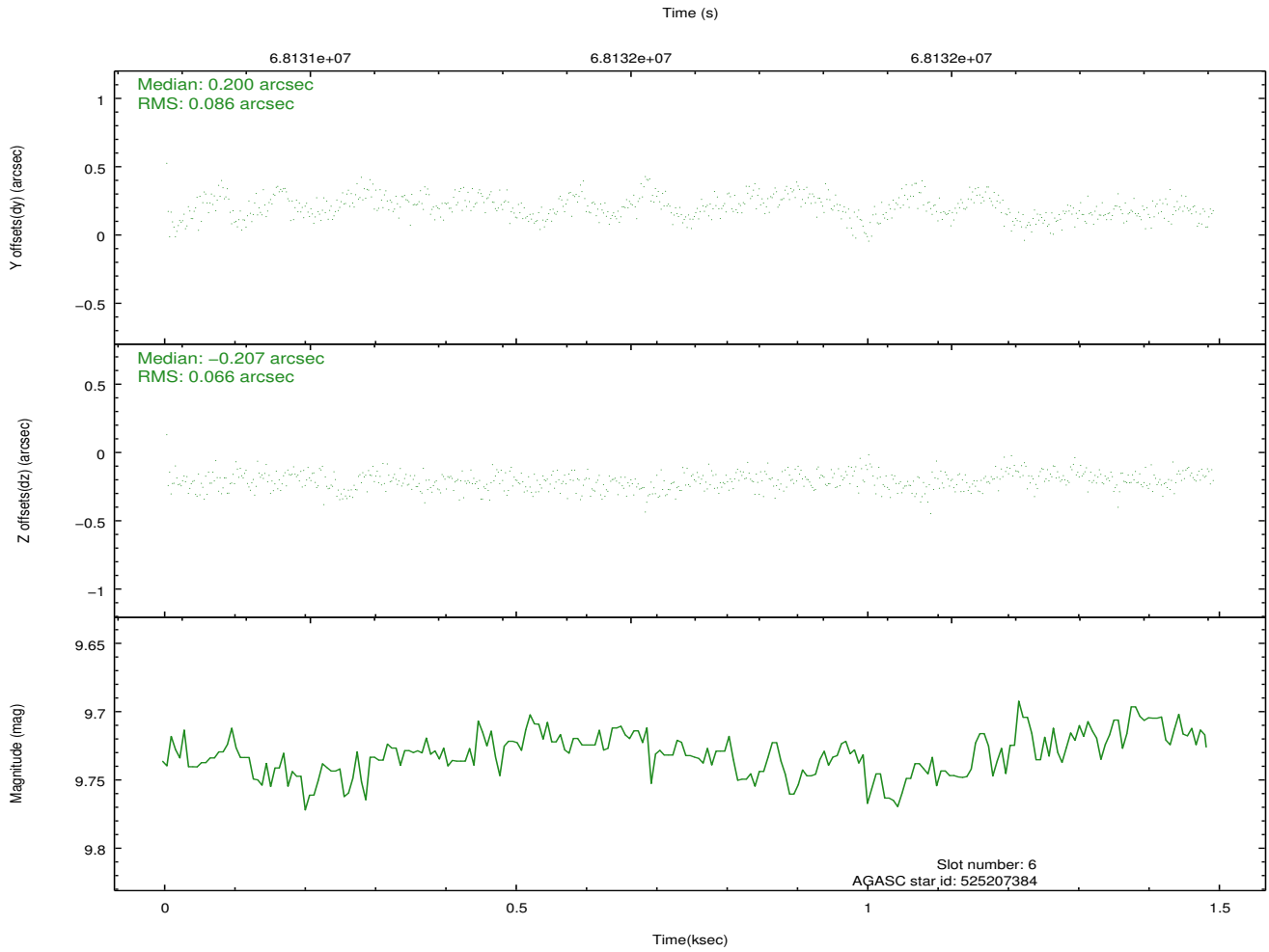
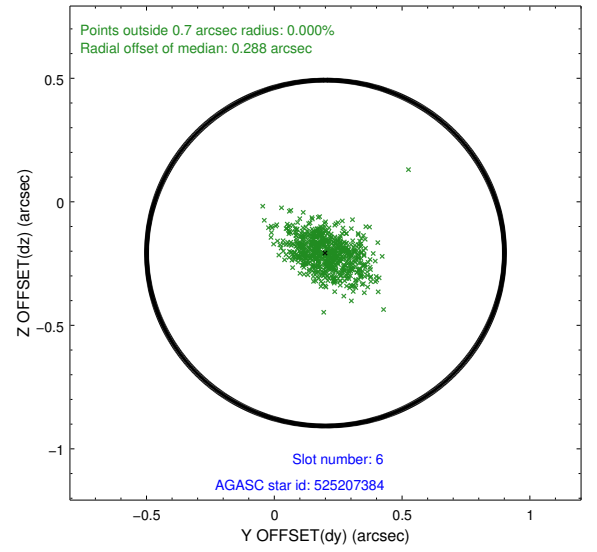
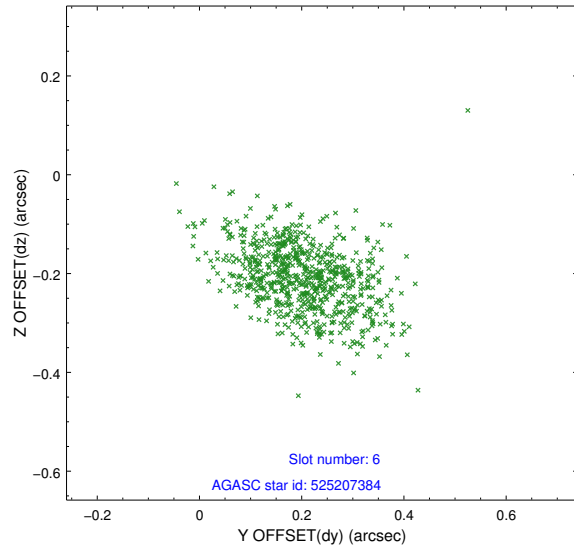
2.4.2 Slot 4



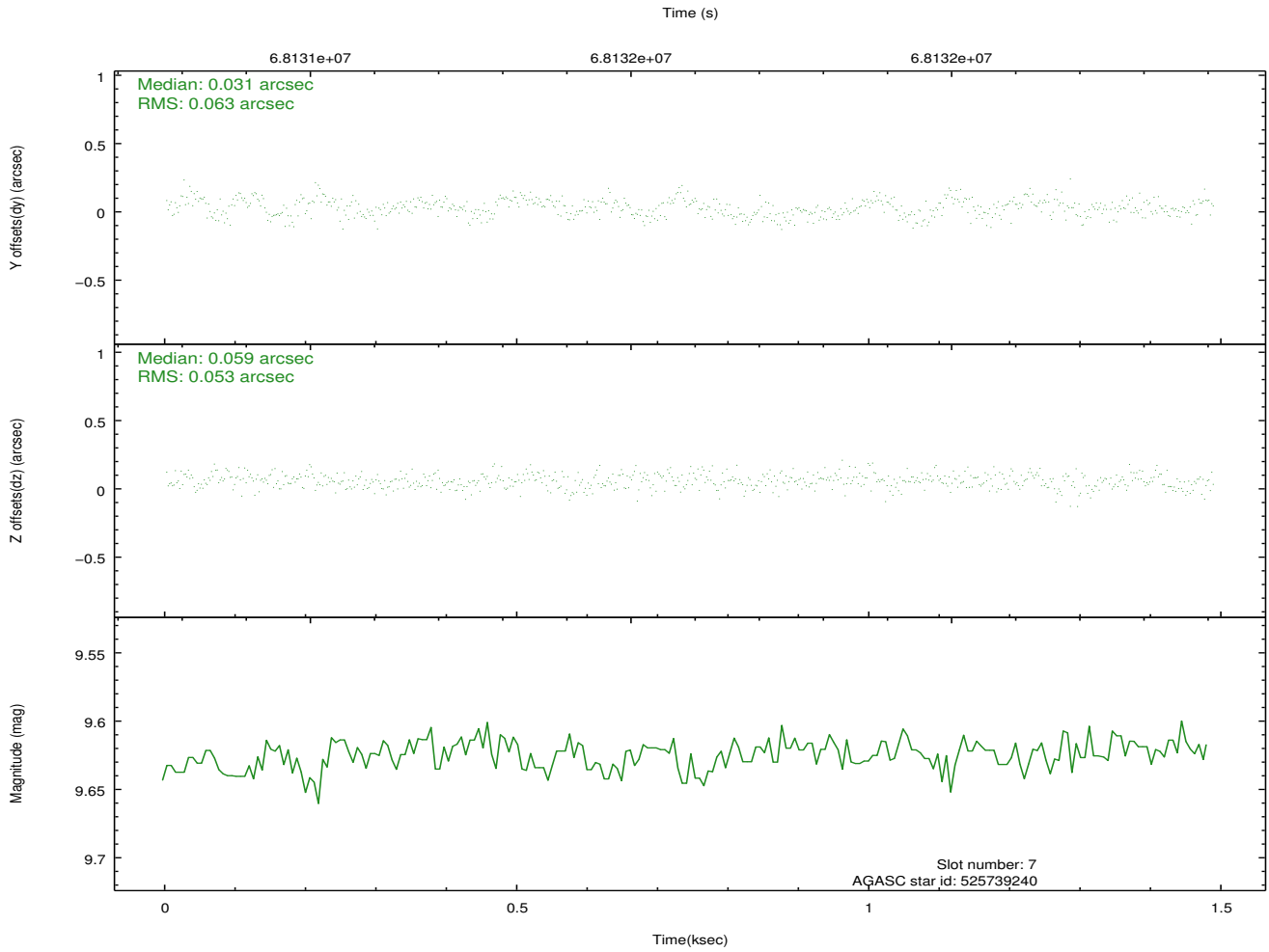
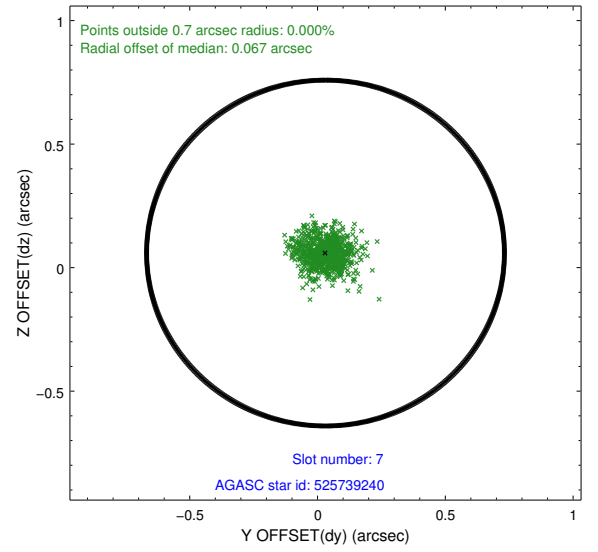
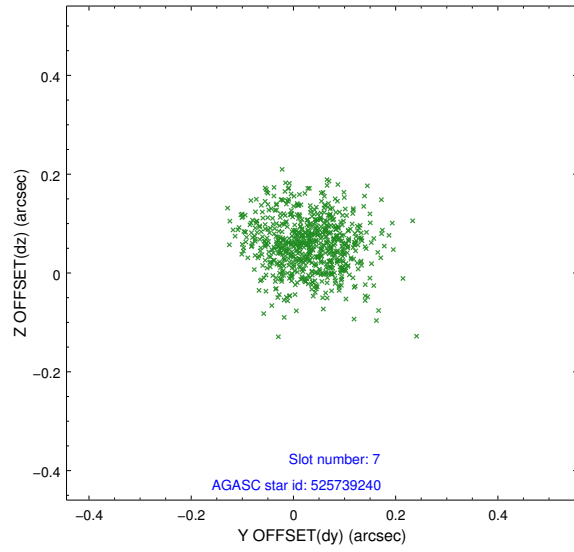
2.4.3 Slot 5



2.4.4 Slot 6

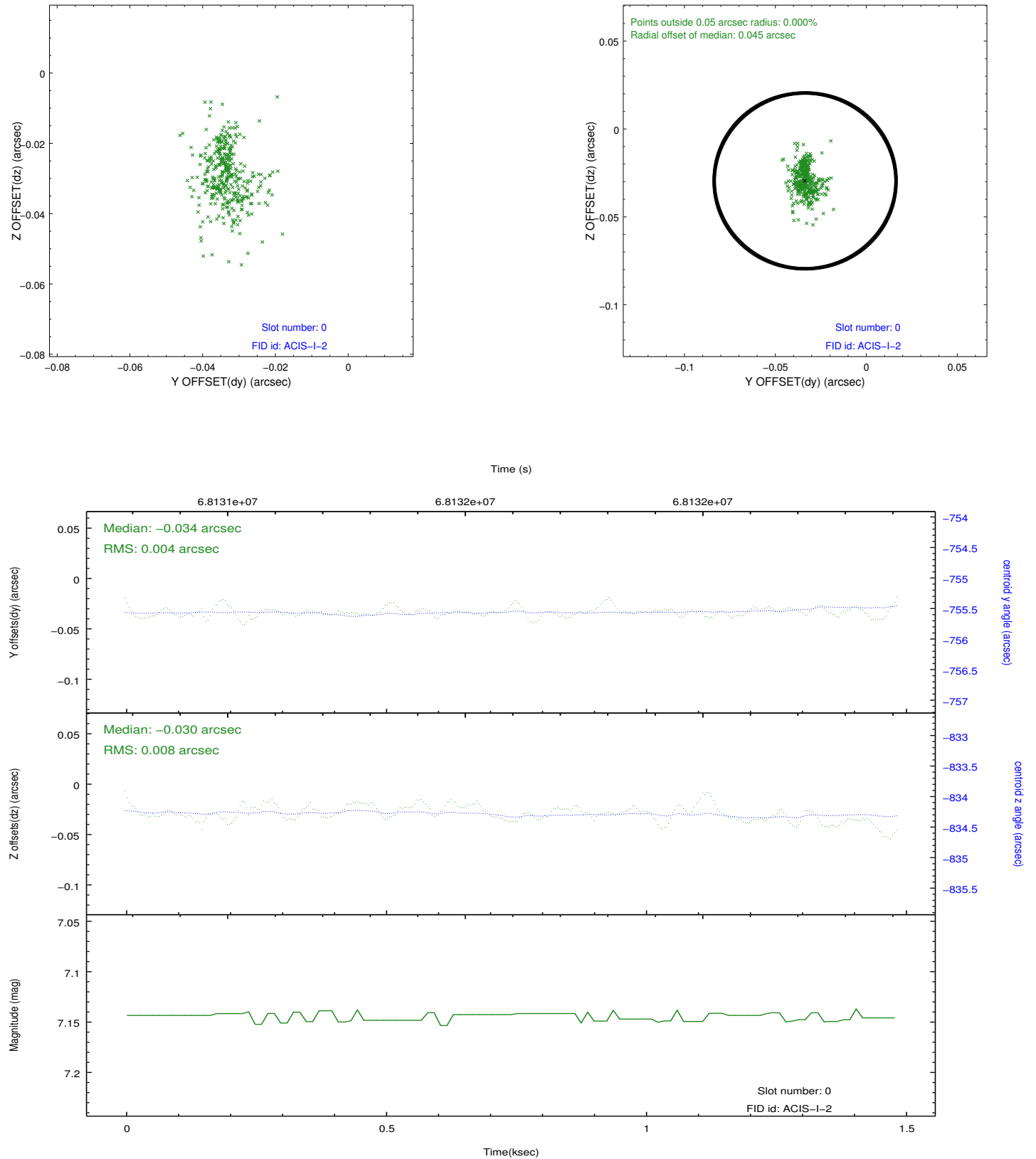


2.4.5 Slot 7

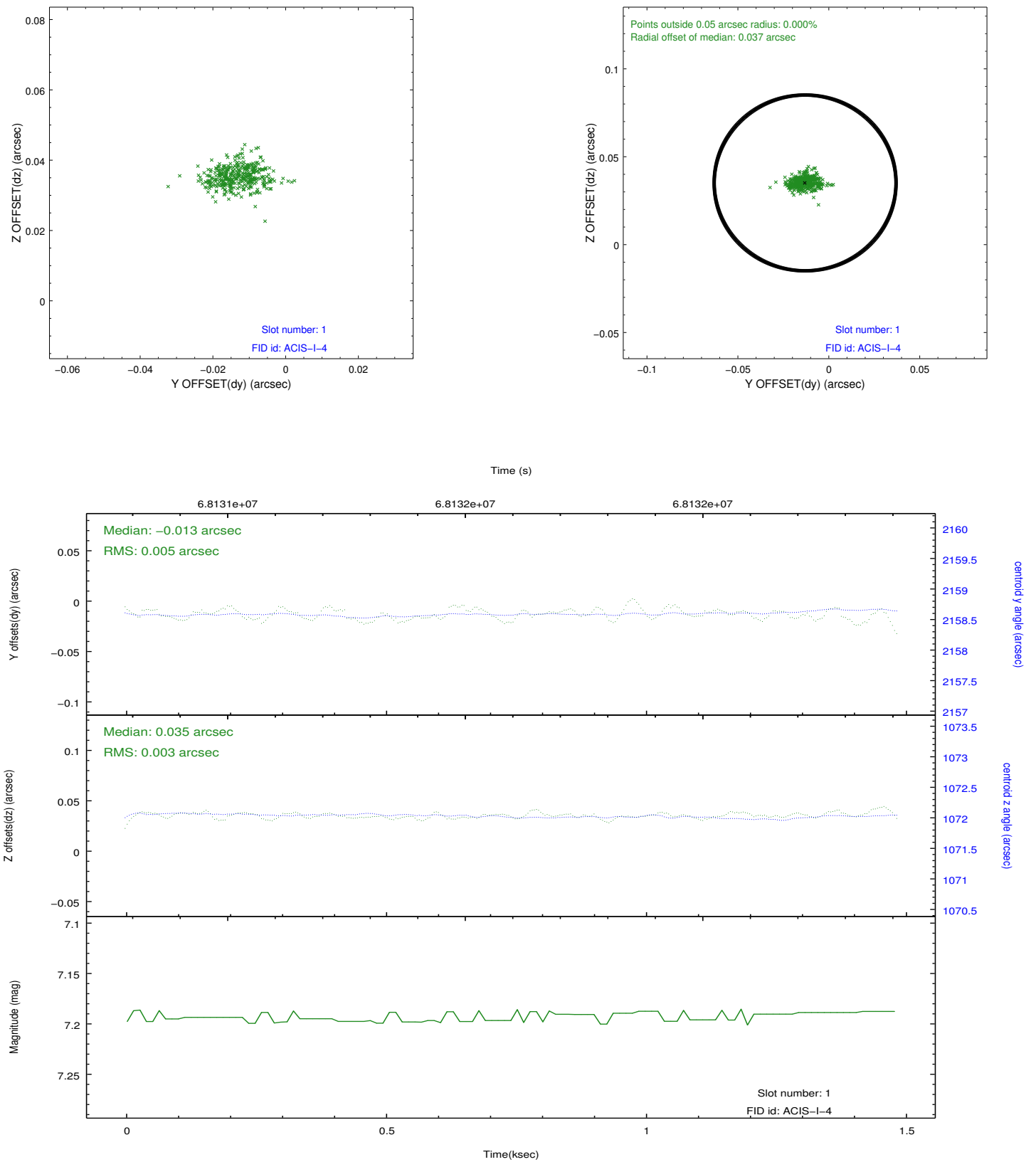


2.5 FID Slots

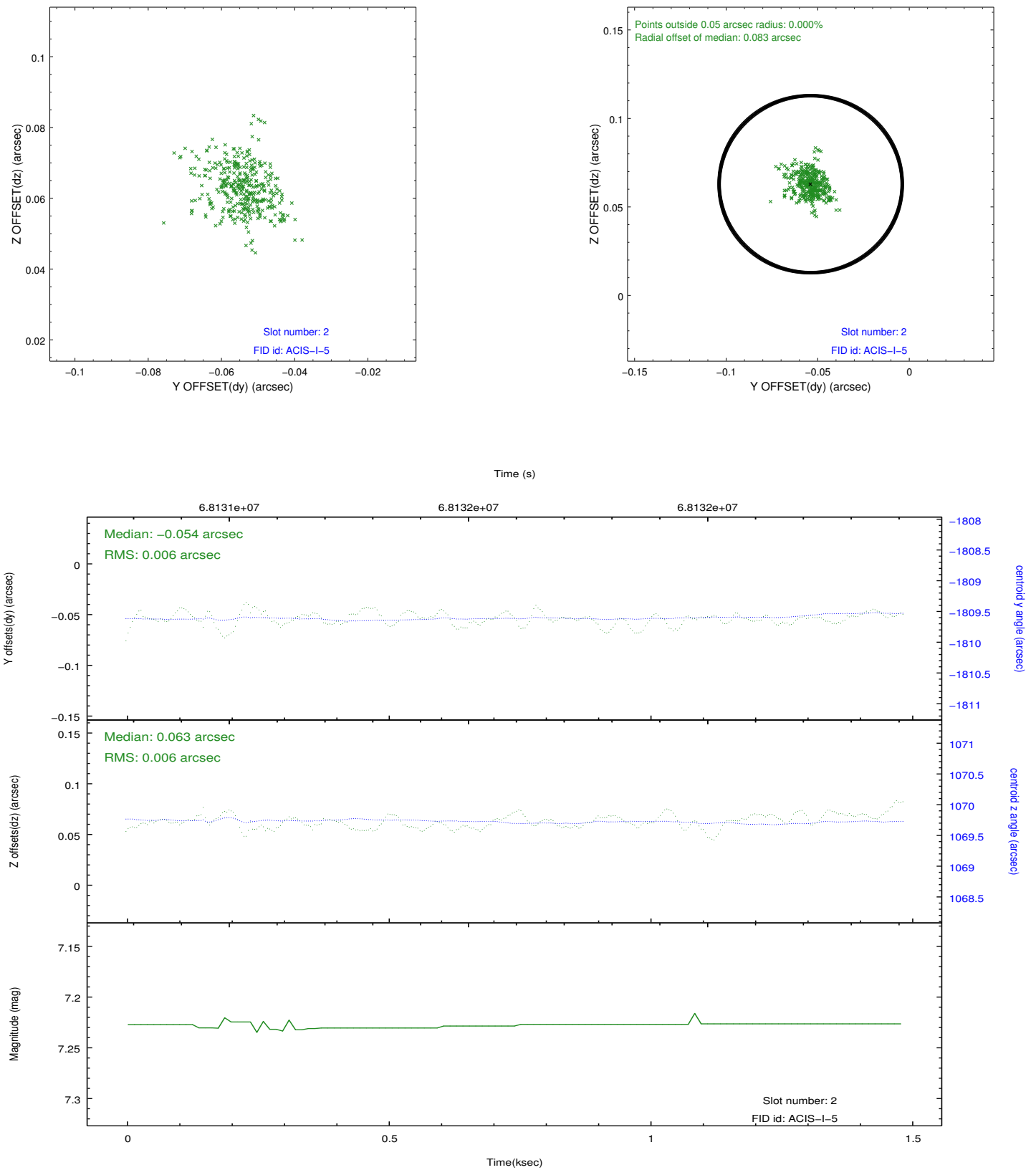
2.5.1 Slot 0



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	1.035

A.2 Comments

Charge time for this ObsId remains at previous value of 1.035 ks although with the current processing the charge time would have been 1.031 ksec. Window constraint met.