

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 235 - L2 Version 4
Chandra X-Ray Center

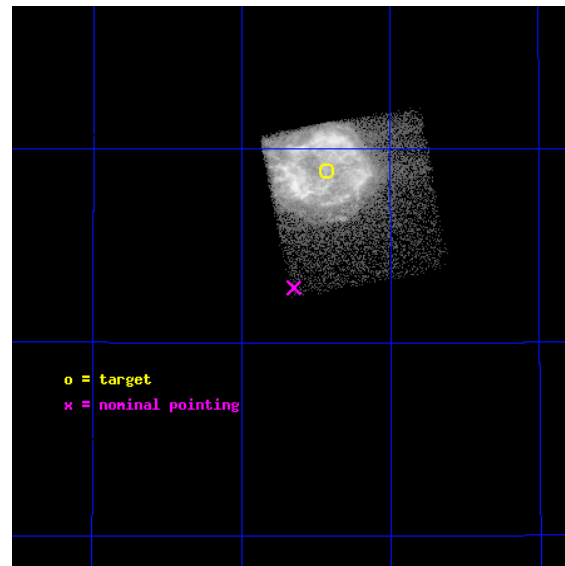
L2 Processing Date : Aug 23 2012

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1 Front

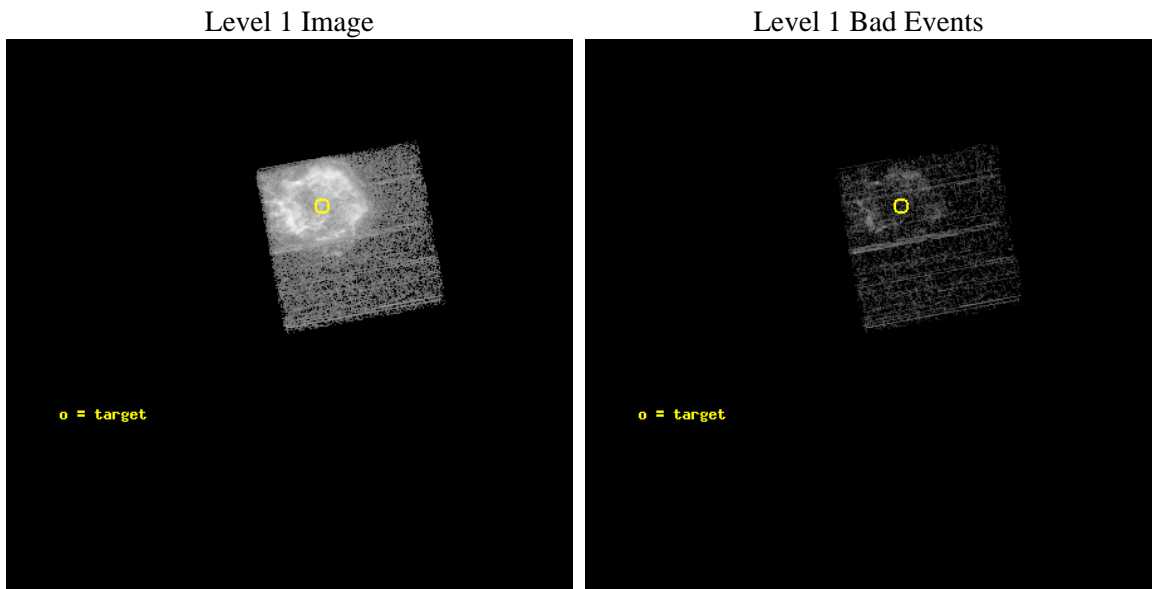
seq_num	590103	Sequence number
obs_id	235	Observation id
title	ACIS CHIP RESPONSE TO CAS A, APR. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip I3, T=120, Offsets=-2,5,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.9125398708	Nominal RA [deg]
dec_nom	58.714055978352	Nominal Dec [deg]
roll_nom	349.60768414458	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1328.8136636019	Sum of GTIs [s]
livetime	1311.9874248778	Livetime [s]
ontime0	1758.9698294699	Sum of GTIs [s]
ontime1	1758.9287894666	Sum of GTIs [s]
ontime2	1758.8877494782	Sum of GTIs [s]
ontime3	1328.8136636019	Sum of GTIs [s]
ontime6	1758.8056694716	Sum of GTIs [s]
ontime7	1759.0108694732	Sum of GTIs [s]
l2events	284963	Number of level 2 events



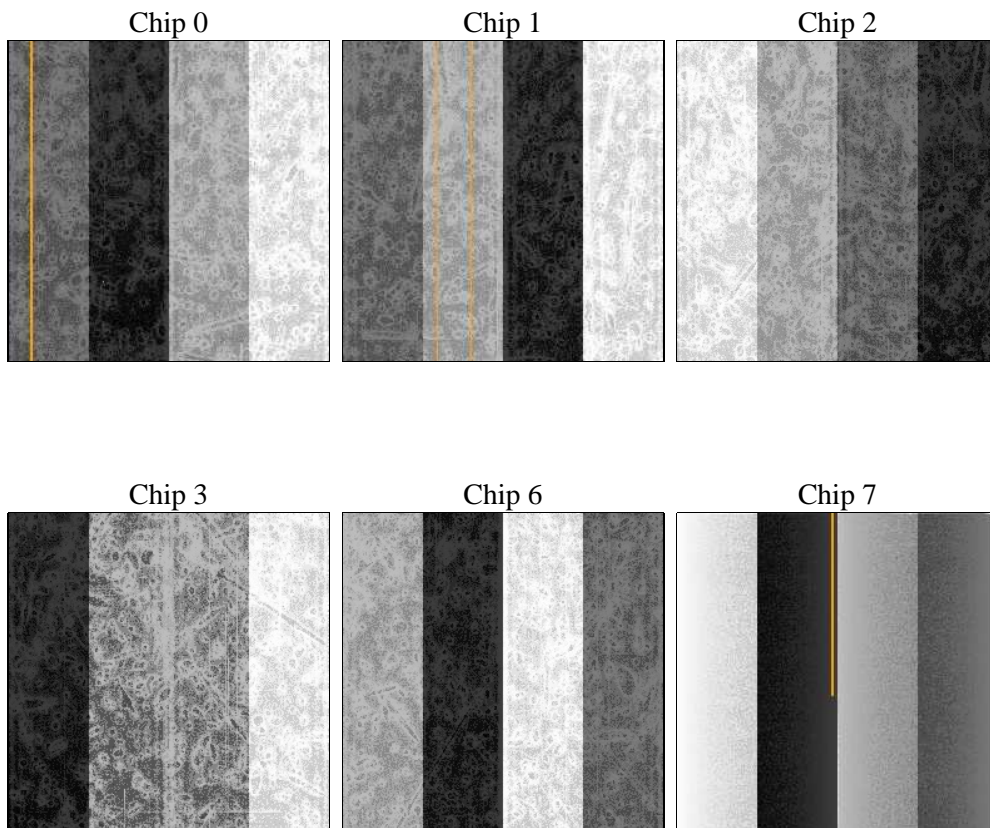
2 OBI

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	8.4.5	Processing system revision	ontime	1328.8136636019	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime0	1758.9698294699	Sum of GTIs [s]
date	2012-08-23T13:53:37	Date and time of file creation	ontime1	1758.9287894666	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	1758.8877494782	Sum of GTIs [s]
			ontime3	1328.8136636019	Sum of GTIs [s]
			ontime6	1758.8056694716	Sum of GTIs [s]
			ontime7	1759.0108694732	Sum of GTIs [s]
			l1events	338202	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	0	0	338202	0	0
rejected events	0	0	0	48244	0	0
rejected %	0%	0%	0%	14%	0%	0%

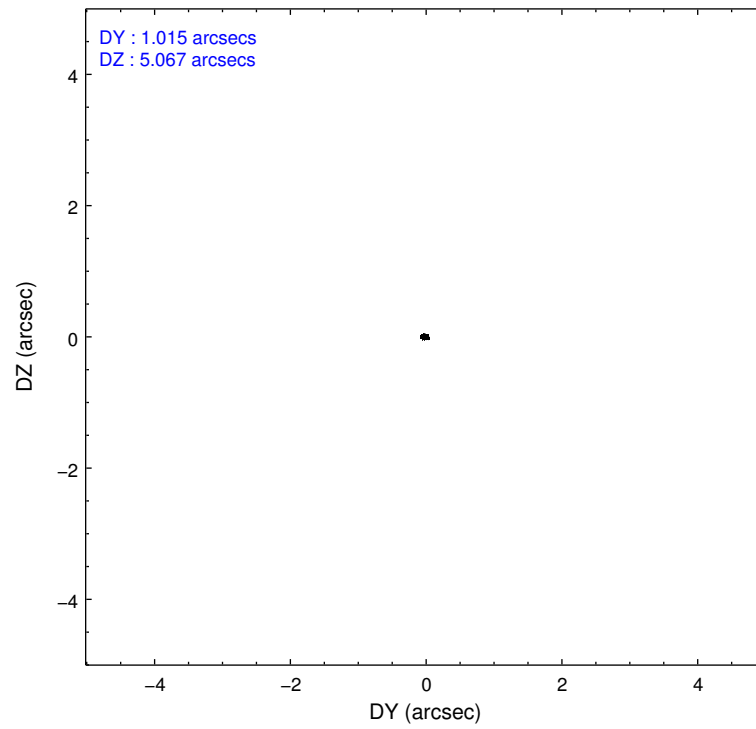
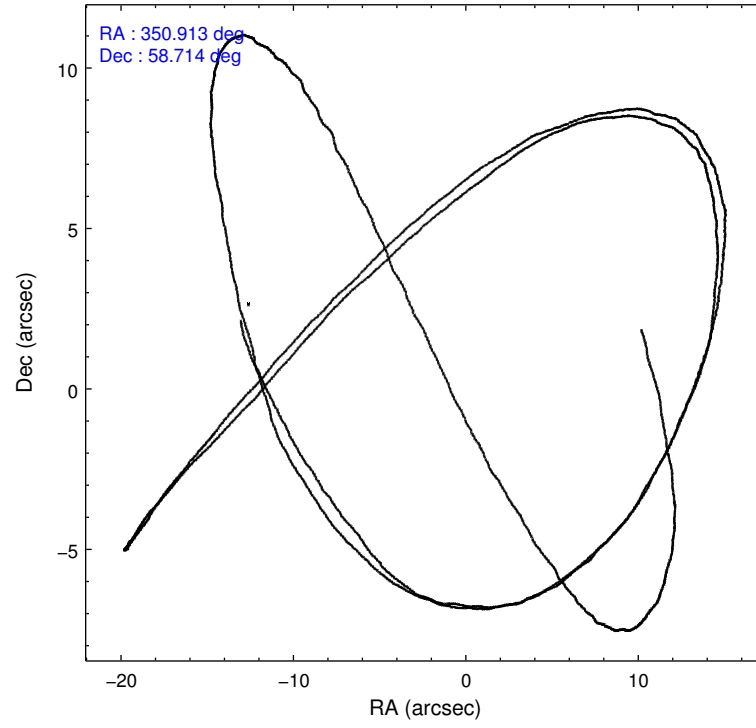
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	0	0	234400	0	0
	0%	0%	0%	69%	0%	0%
grade 1 events	0	0	0	3679	0	0
	0%	0%	0%	1%	0%	0%
grade 2 events	0	0	0	30530	0	0
	0%	0%	0%	9%	0%	0%
grade 3 events	0	0	0	9465	0	0
	0%	0%	0%	2%	0%	0%
grade 4 events	0	0	0	9735	0	0
	0%	0%	0%	2%	0%	0%
grade 5 events	0	0	0	2499	0	0
	0%	0%	0%	0%	0%	0%
grade 6 events	0	0	0	6525	0	0
	0%	0%	0%	1%	0%	0%
grade 7 events	0	0	0	41369	0	0
	0%	0%	0%	12%	0%	0%

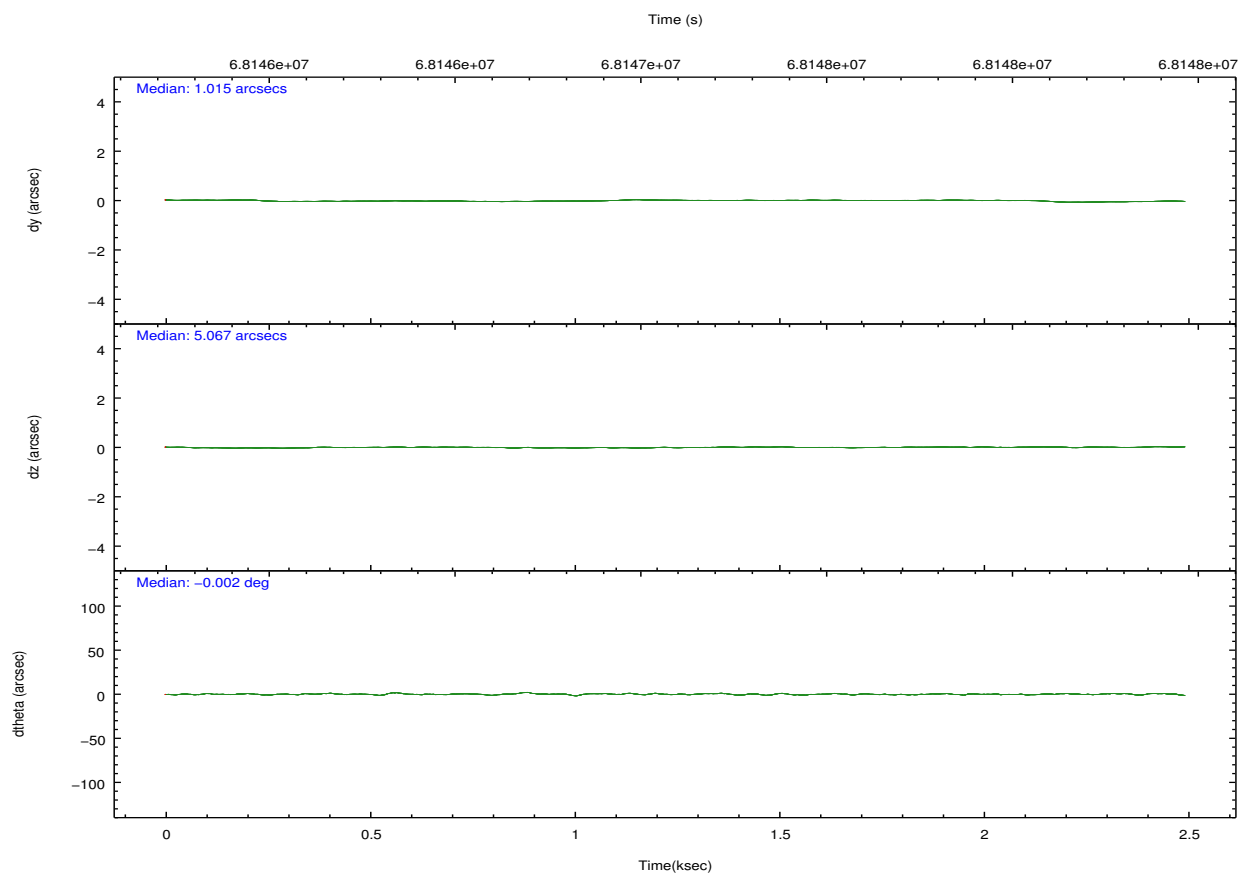
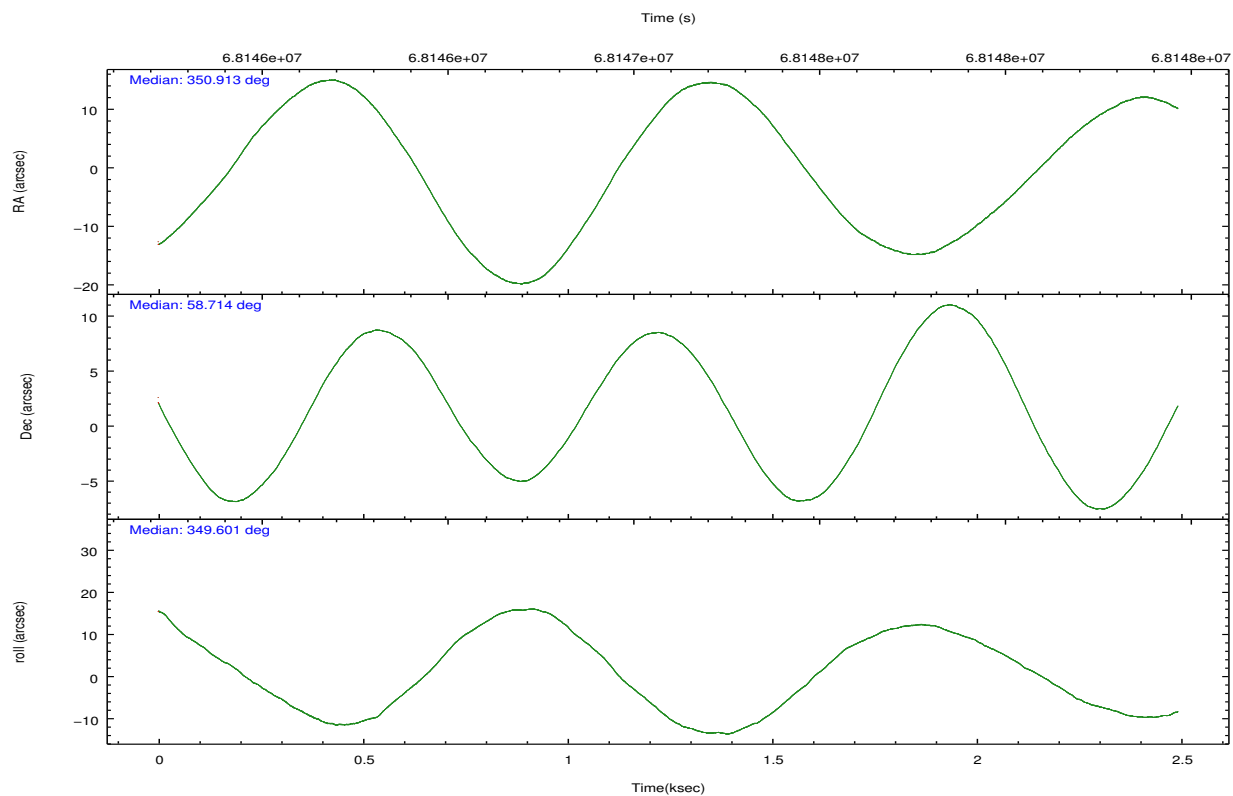
2.2 Compared Parameters

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	350.861930	350.9125398707973
[deg] Pointing Dec	58.705219	58.71405597835184
[deg] Pointing Roll	349.442254	349.6076841445787
[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)	68146339.184000	68145672.811399
Observation start date	2000-02-28T17:31:15	2000-02-28T17:21:12
[s] Observation end time (MET)	68148339.184000	68148478.749001
Observation end date	2000-02-28T18:04:35	2000-02-28T18:07:58
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



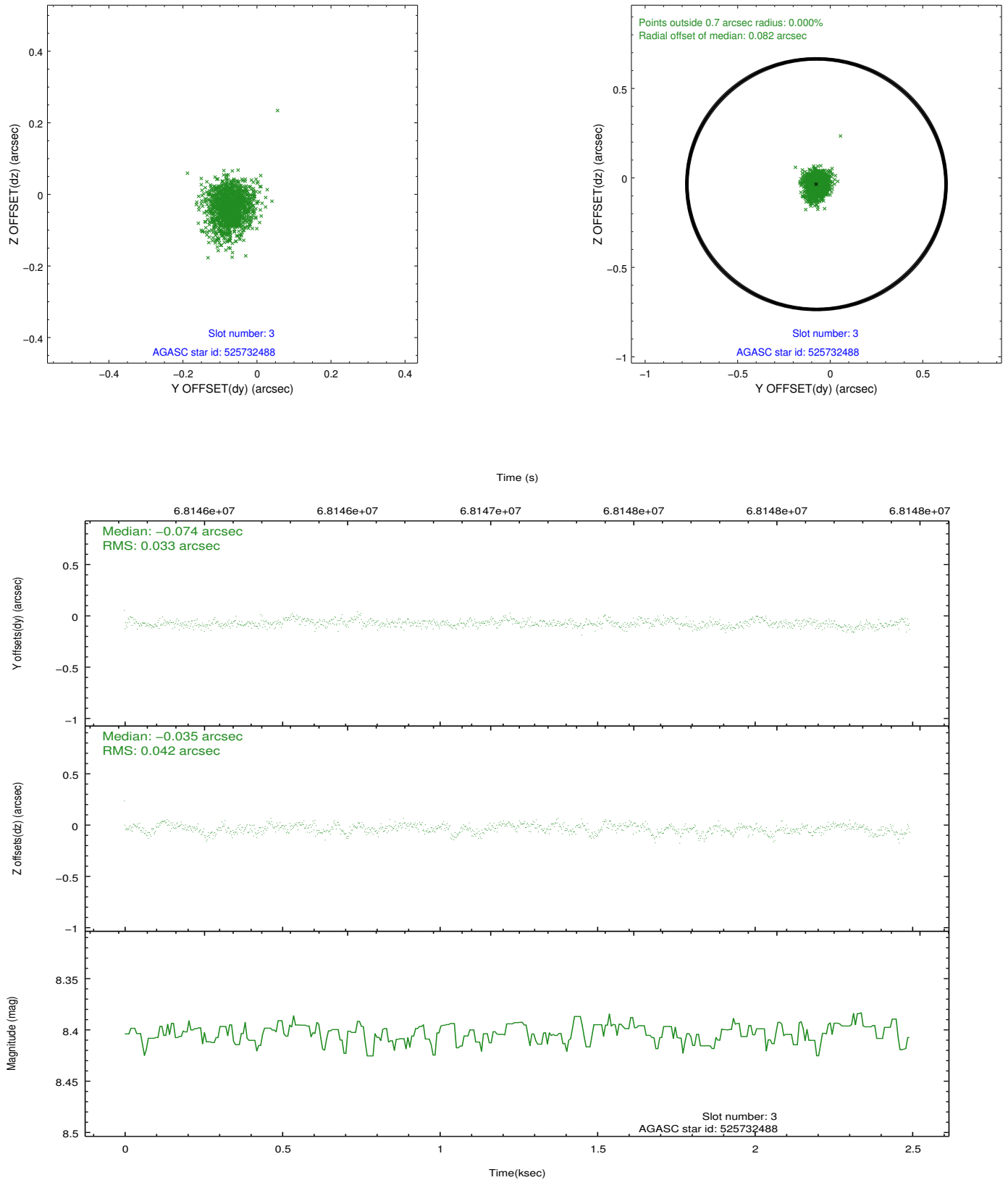


Slot Statistics

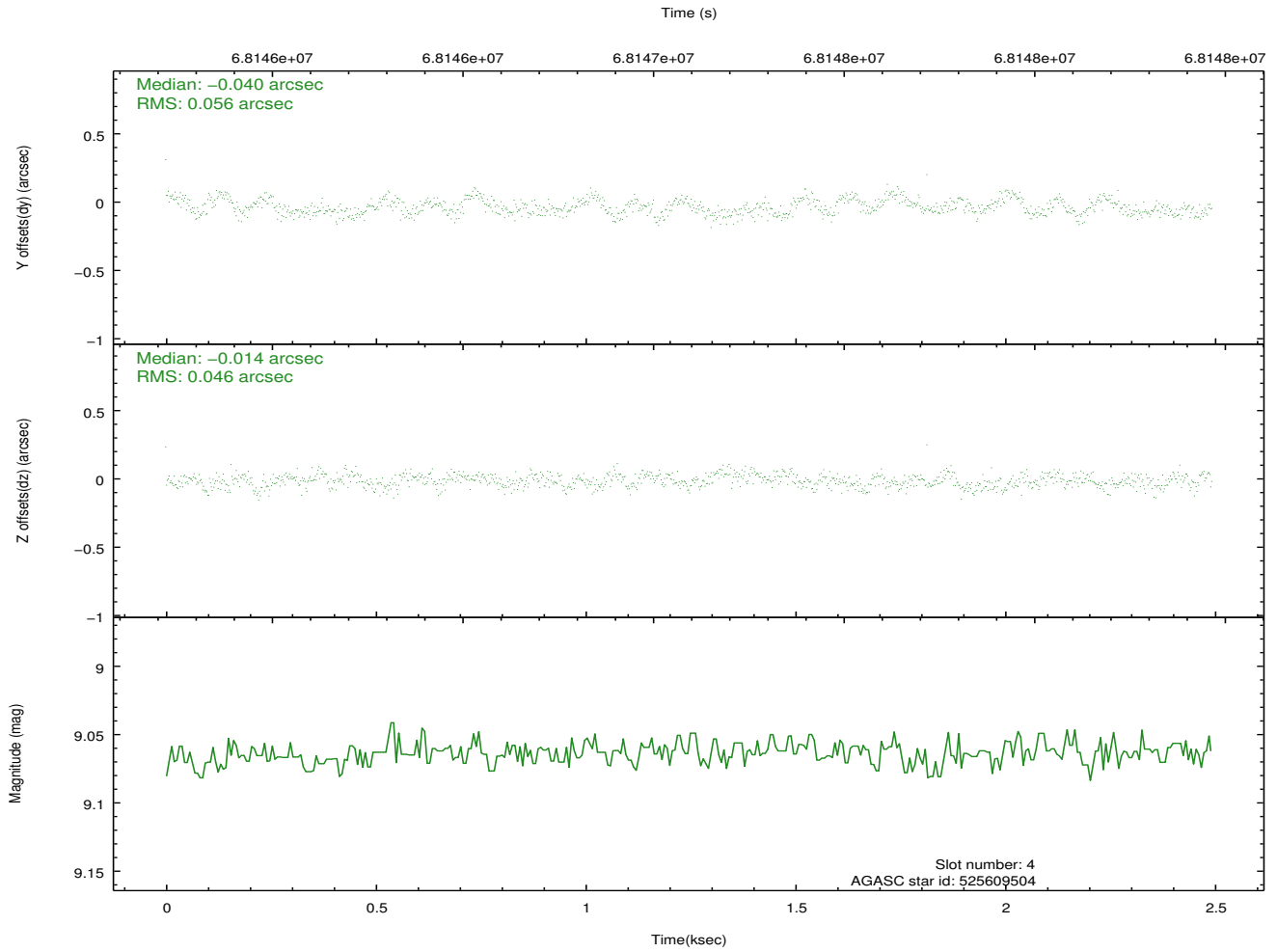
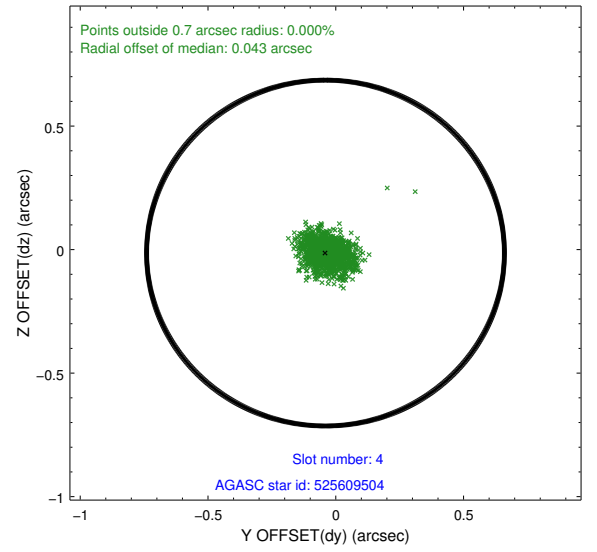
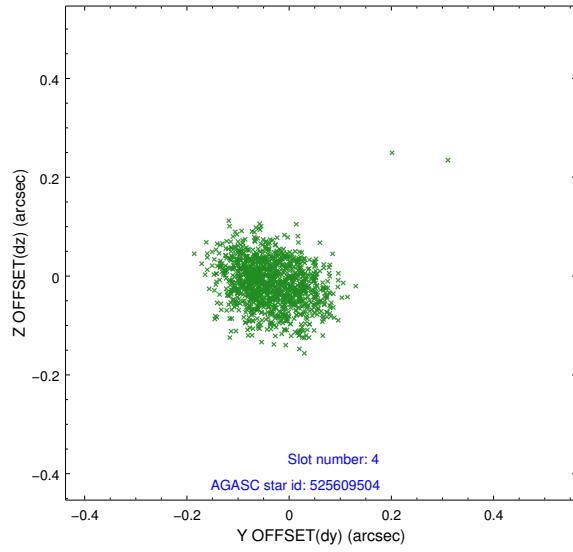
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	609	-0.031	-0.034	0.009	0.017	0.000000	0.000000	-755.36	-834.80
1	FID	ACIS-I-4	7.19	609	-0.029	0.036	0.005	0.010	0.000000	0.000000	2157.53	1070.14
2	FID	ACIS-I-5	7.23	608	-0.041	0.067	0.009	0.016	0.000000	0.000000	-1805.85	1070.98
3	GUIDE	525732488	8.40	1217	-0.074	-0.035	0.055	0.093	350.087090	58.516915	-1310.50	-924.97
4	GUIDE	525609504	9.06	1217	-0.040	-0.014	0.075	0.122	349.896632	58.356658	-1566.78	-1555.42
5	GUIDE	525732528	9.38	1216	0.008	0.089	0.096	0.157	351.607241	59.298932	951.04	2358.91
6	GUIDE	525207384	9.74	1217	0.112	-0.100	0.117	0.187	351.880308	58.083642	2312.74	-1827.89
7	GUIDE	525739240	9.63	1216	-0.007	0.059	0.091	0.145	350.642893	59.099564	-657.71	1320.85

2.4 Star Slots

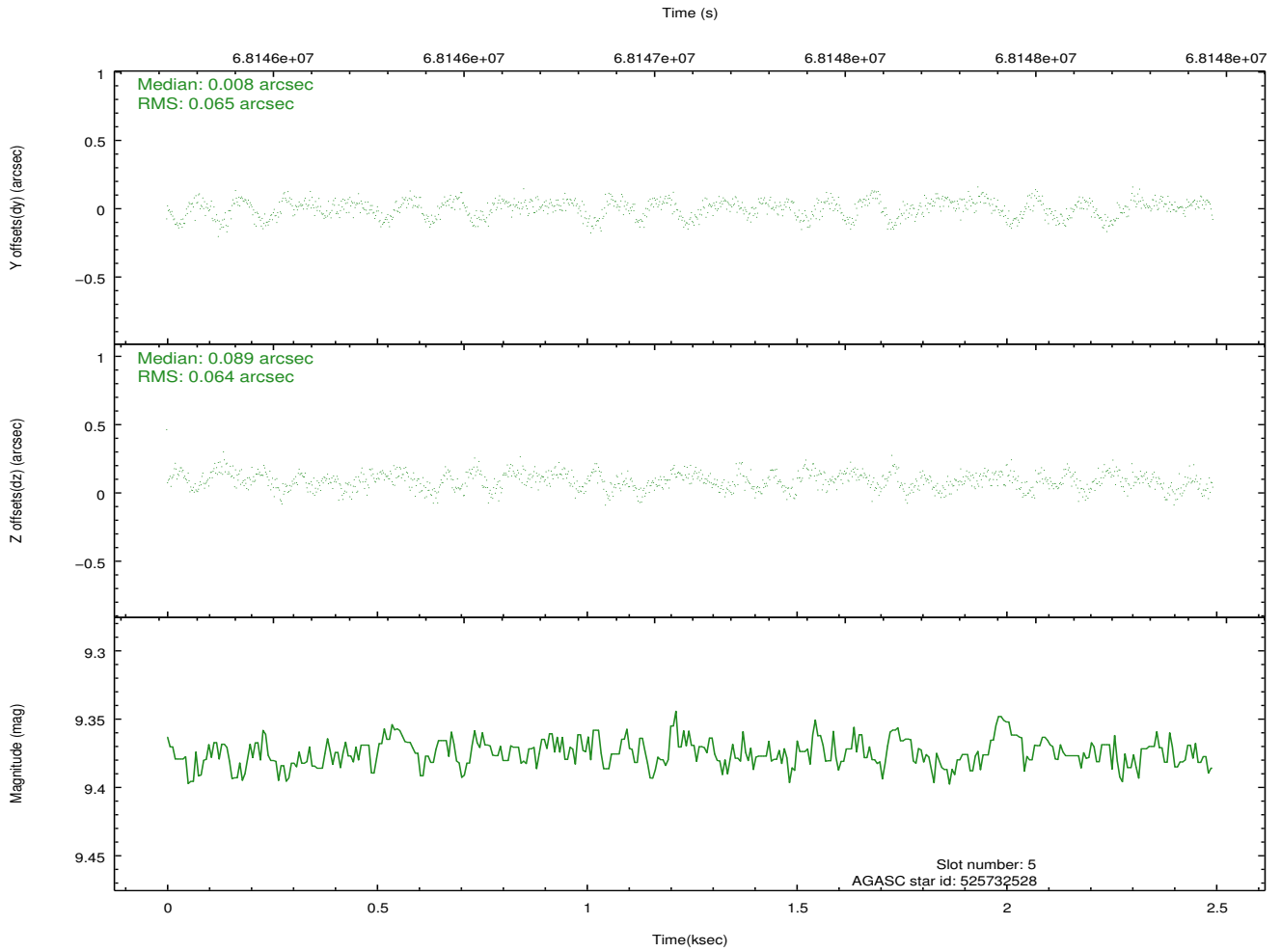
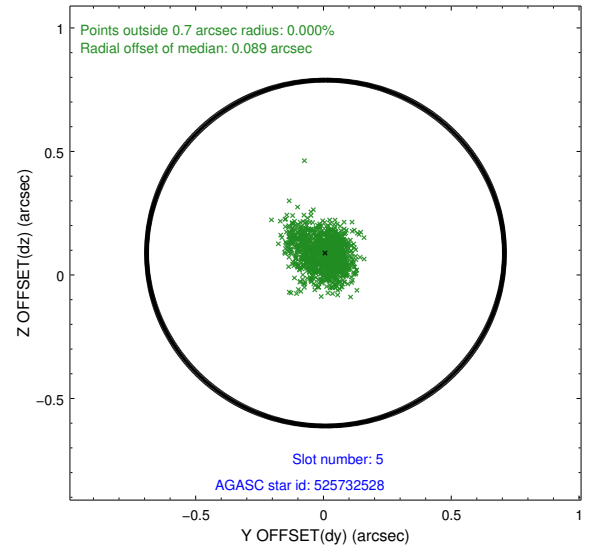
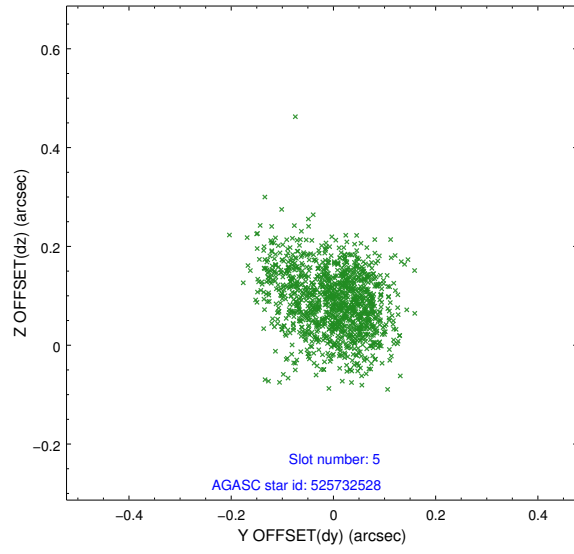
2.4.1 Slot 3



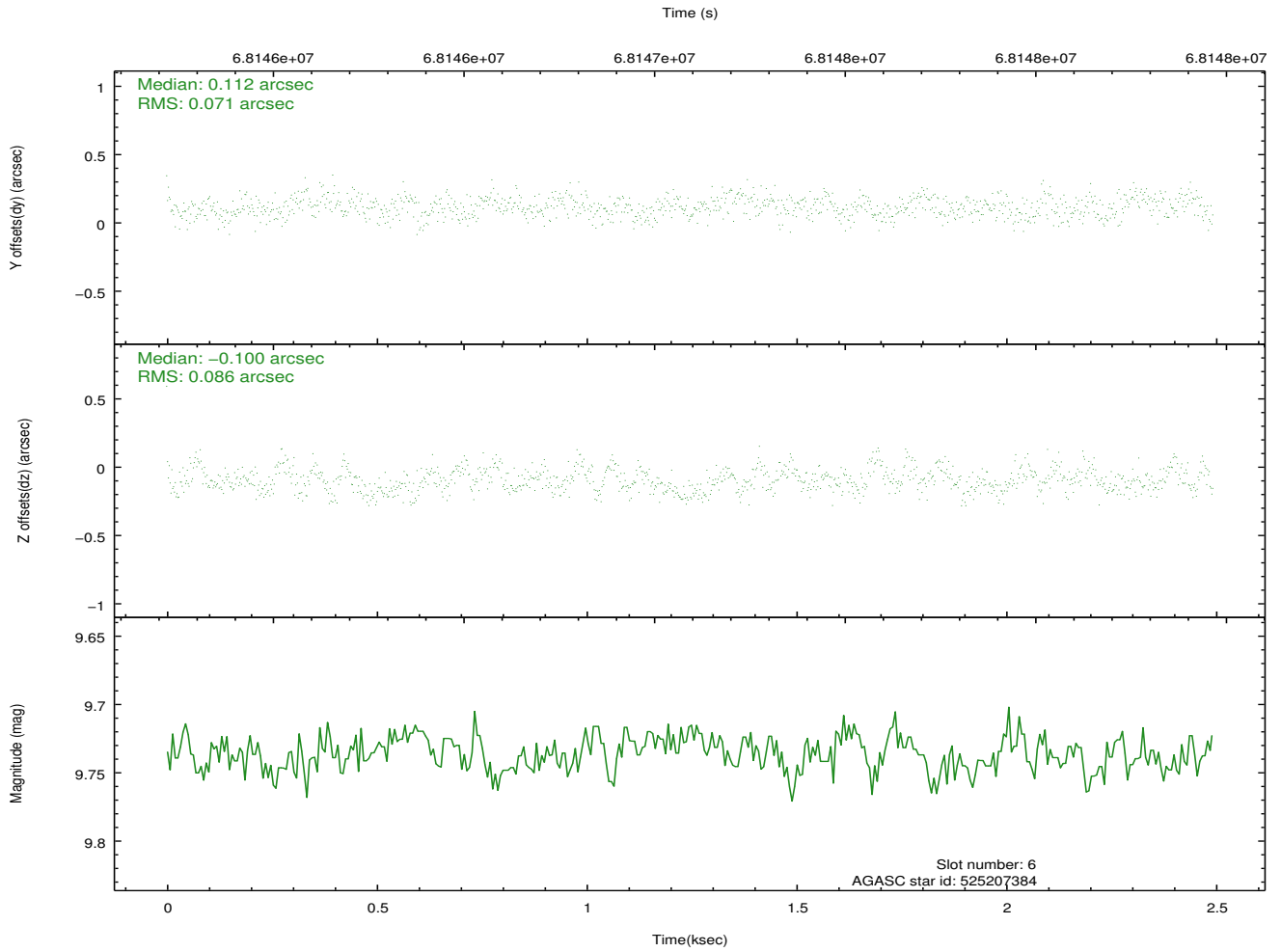
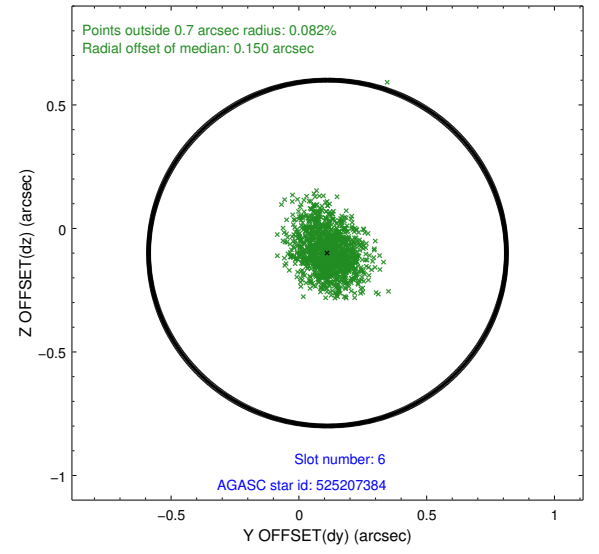
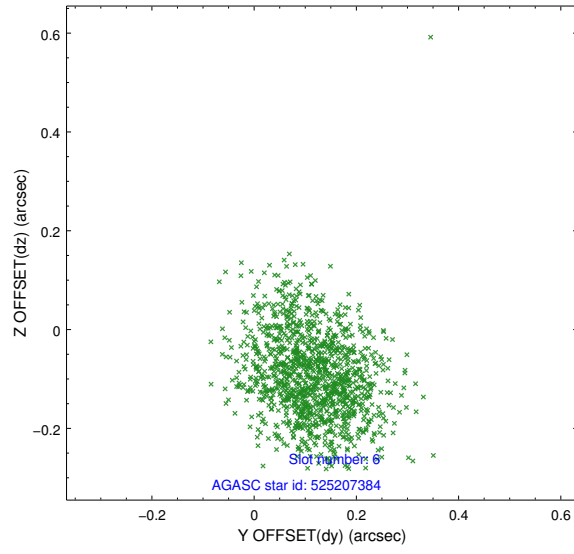
2.4.2 Slot 4



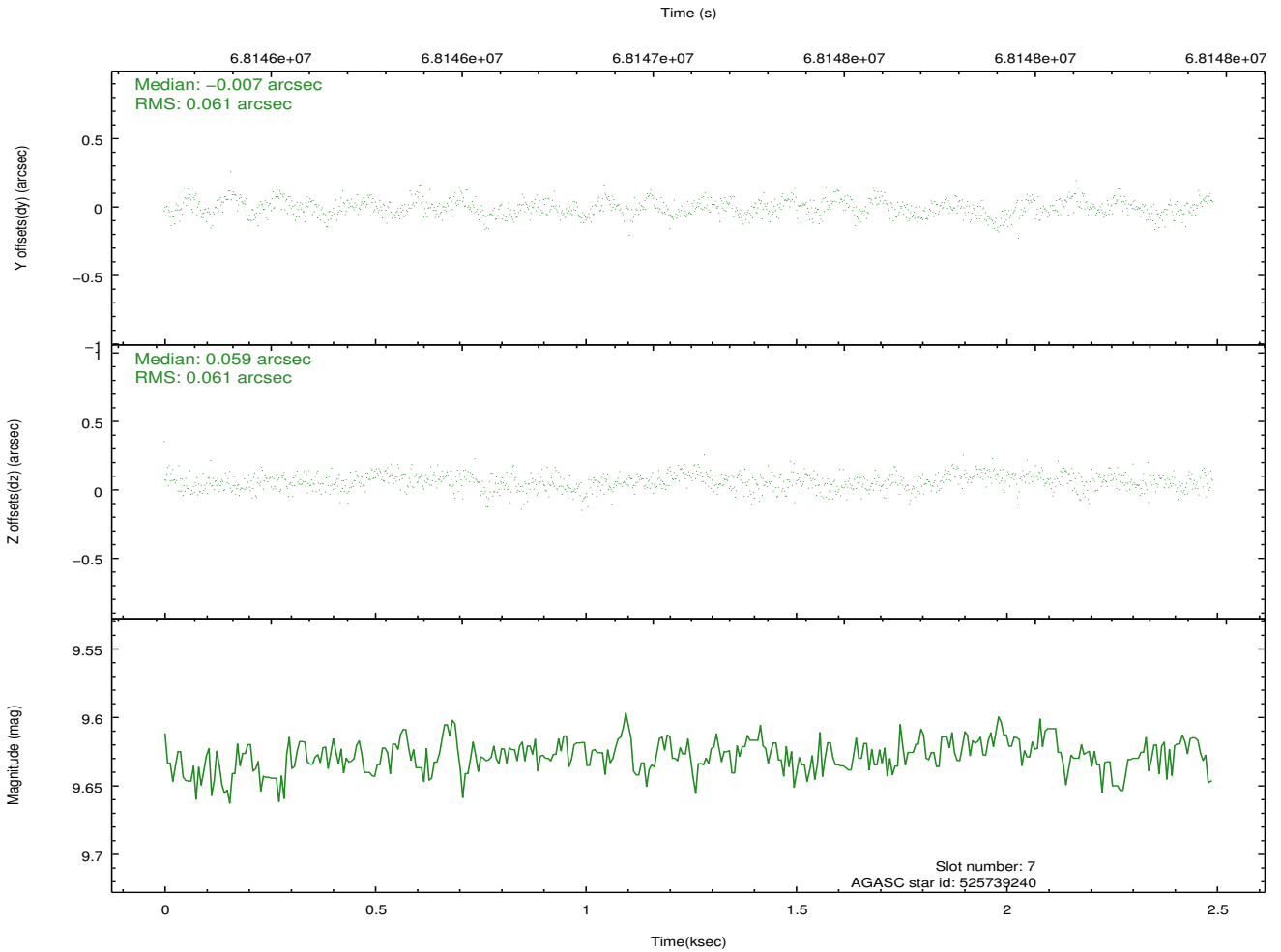
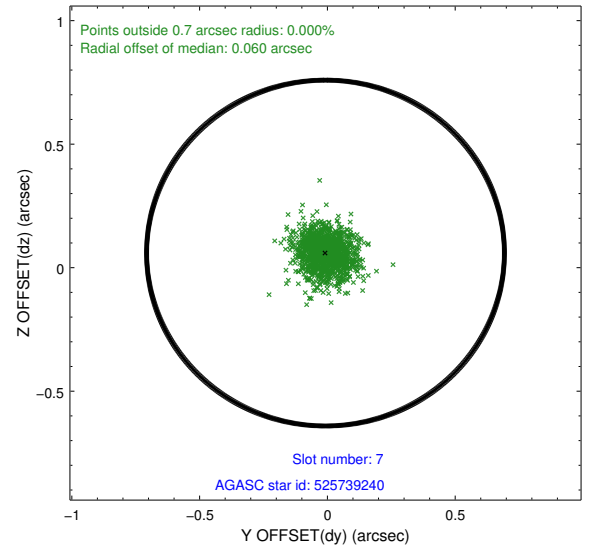
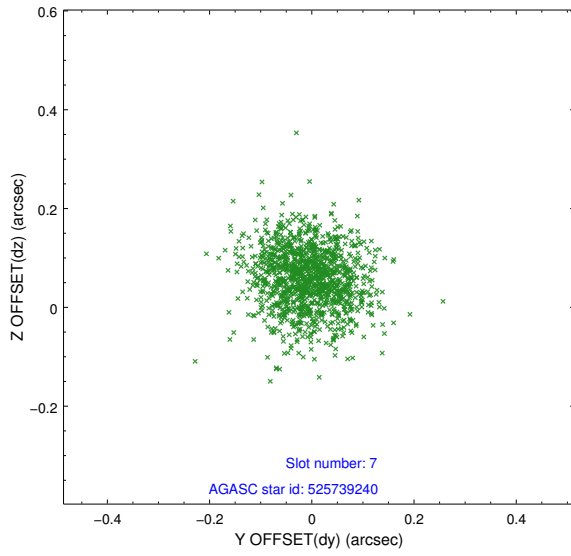
2.4.3 Slot 5



2.4.4 Slot 6

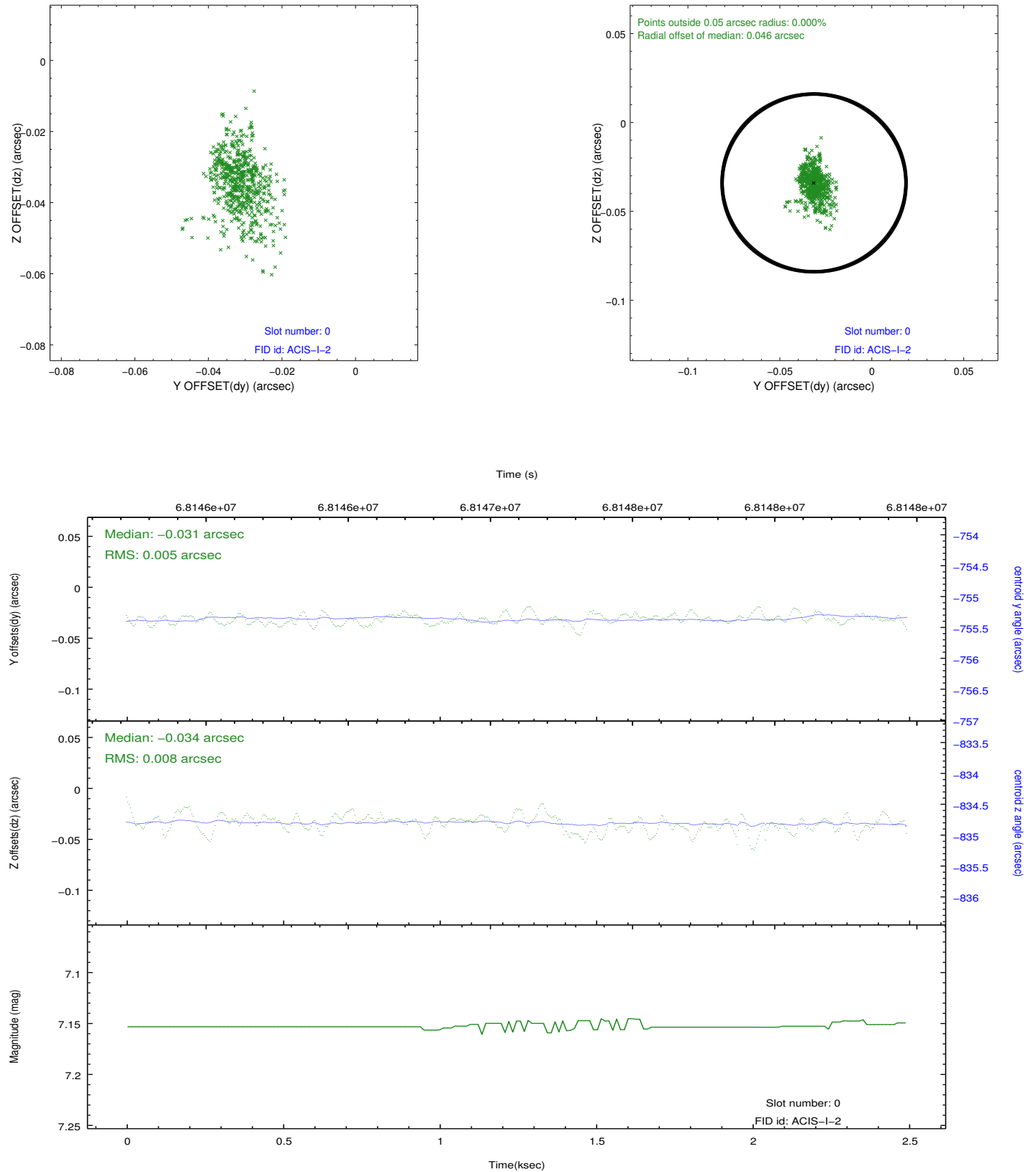


2.4.5 Slot 7

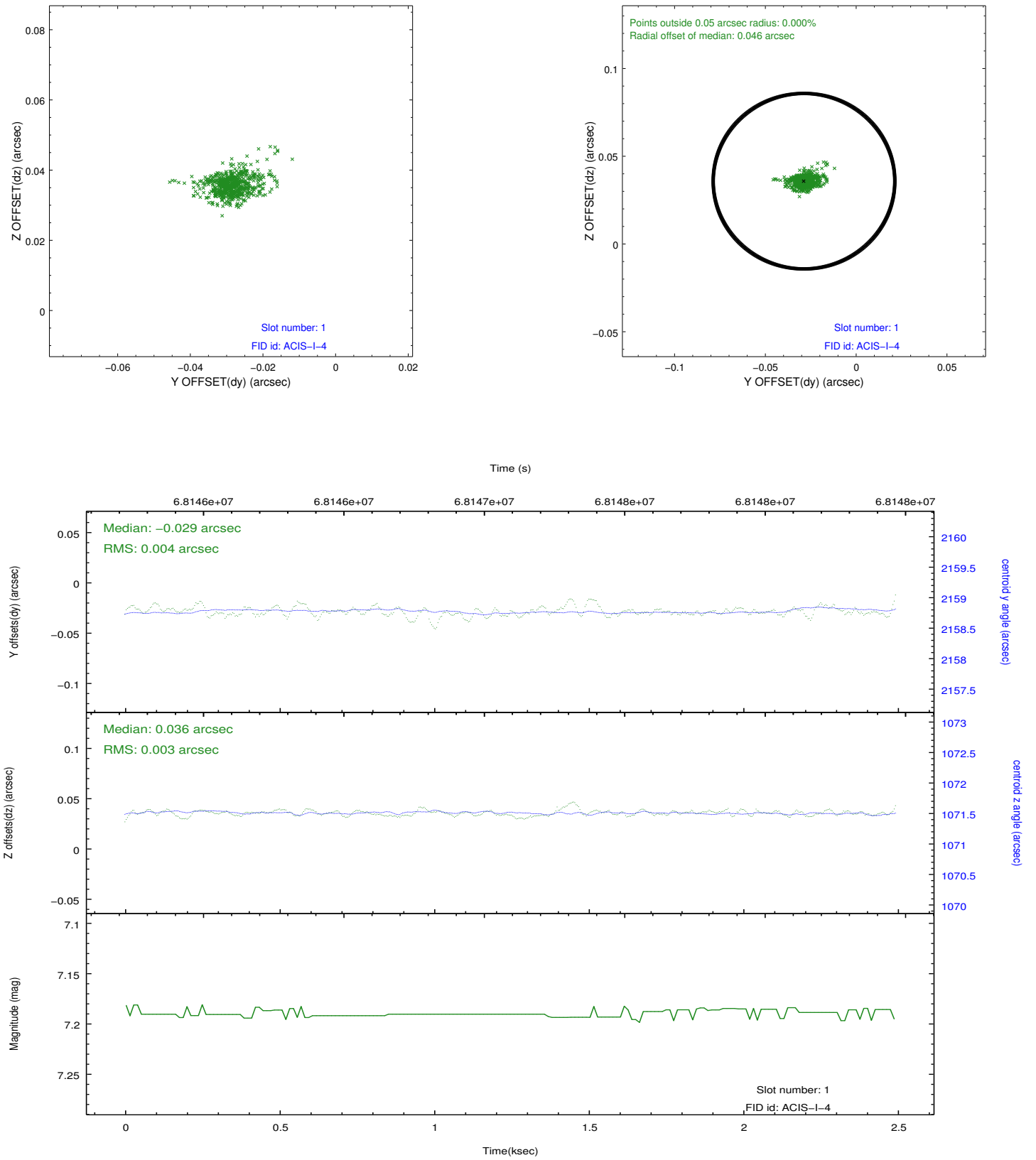


2.5 FID Slots

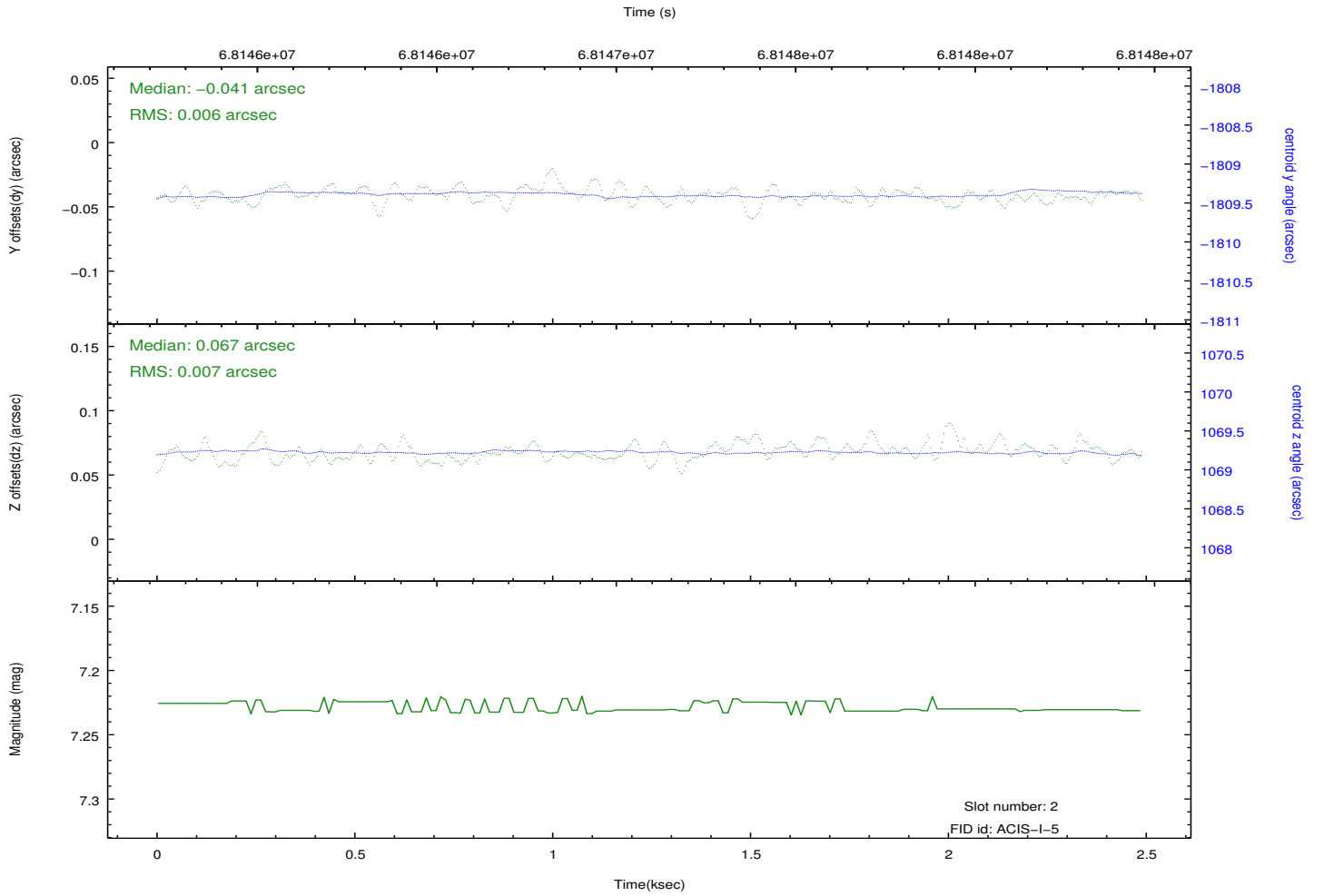
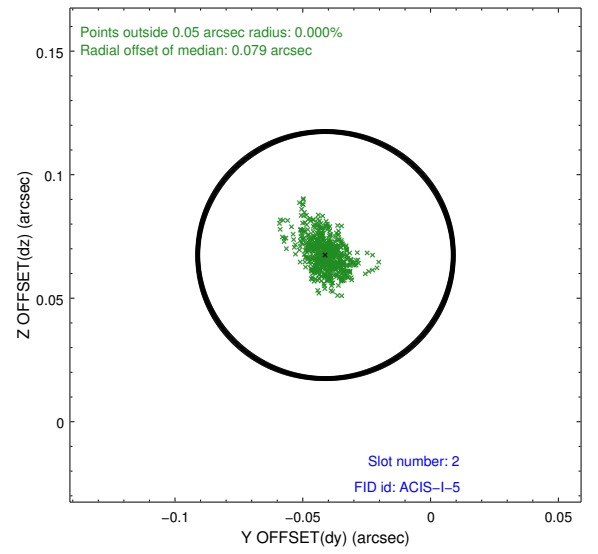
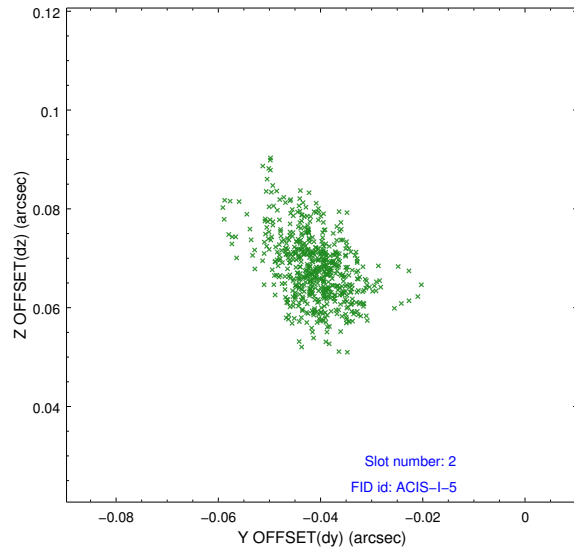
2.5.1 Slot 0



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)	2012.08.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.335

A.2 Comments

Charge time for this ObsId remains at previous value of 1.335 ks although with the current processing the charge time would have been 1.329 ksec. Window constraint met.