

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1545 - L2 Version 3
Chandra X-Ray Center

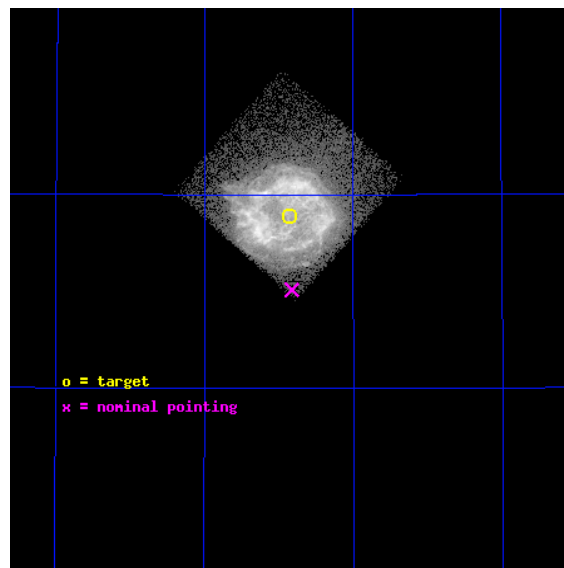
L2 Processing Date : Sep 6 2012

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1 Front

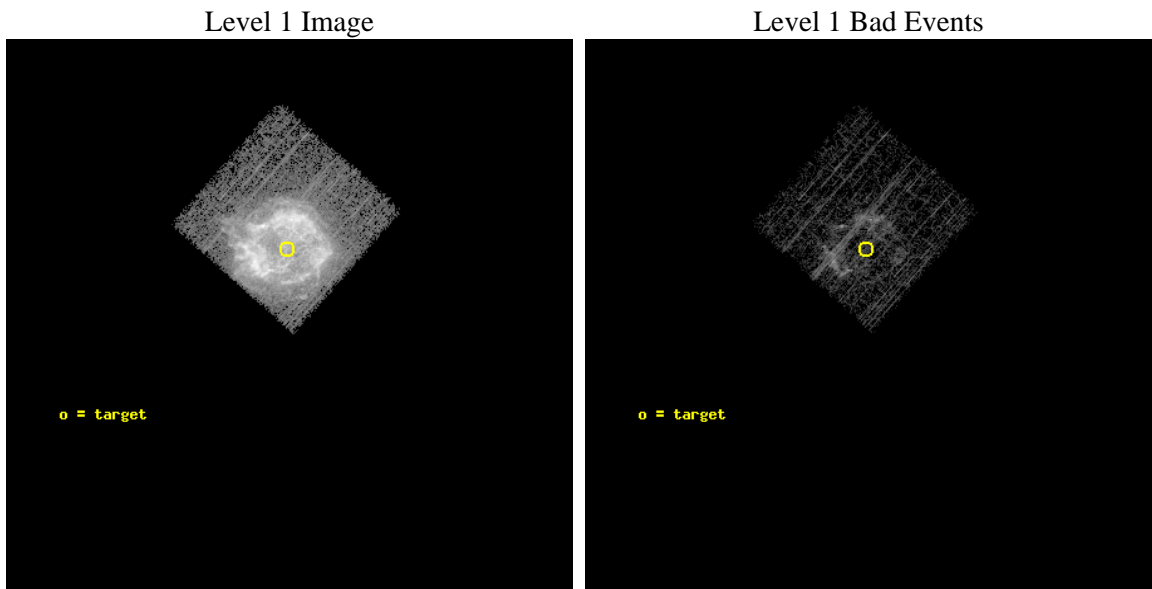
seq_num	590154	Sequence number
obs_id	1545	Observation id
title	CALIBRATION OBSERVATIONS OF THE STANDARD CANDLE CAS A	Proposal tit
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip I3, T=120, Offsets=-2,2,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.85338799855	Nominal RA [deg]
dec_nom	58.751365571615	Nominal Dec [deg]
roll_nom	311.49895170442	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1542.7222265452	Sum of GTIs [s]
livetime	1523.1873487969	Livetime [s]
ontime0	2139.3585556149	Sum of GTIs [s]
ontime1	2139.3175156116	Sum of GTIs [s]
ontime2	2139.2764756233	Sum of GTIs [s]
ontime3	1542.7222265452	Sum of GTIs [s]
ontime6	2139.1943956167	Sum of GTIs [s]
ontime7	2139.3995956182	Sum of GTIs [s]
l2events	337060	Number of level 2 events



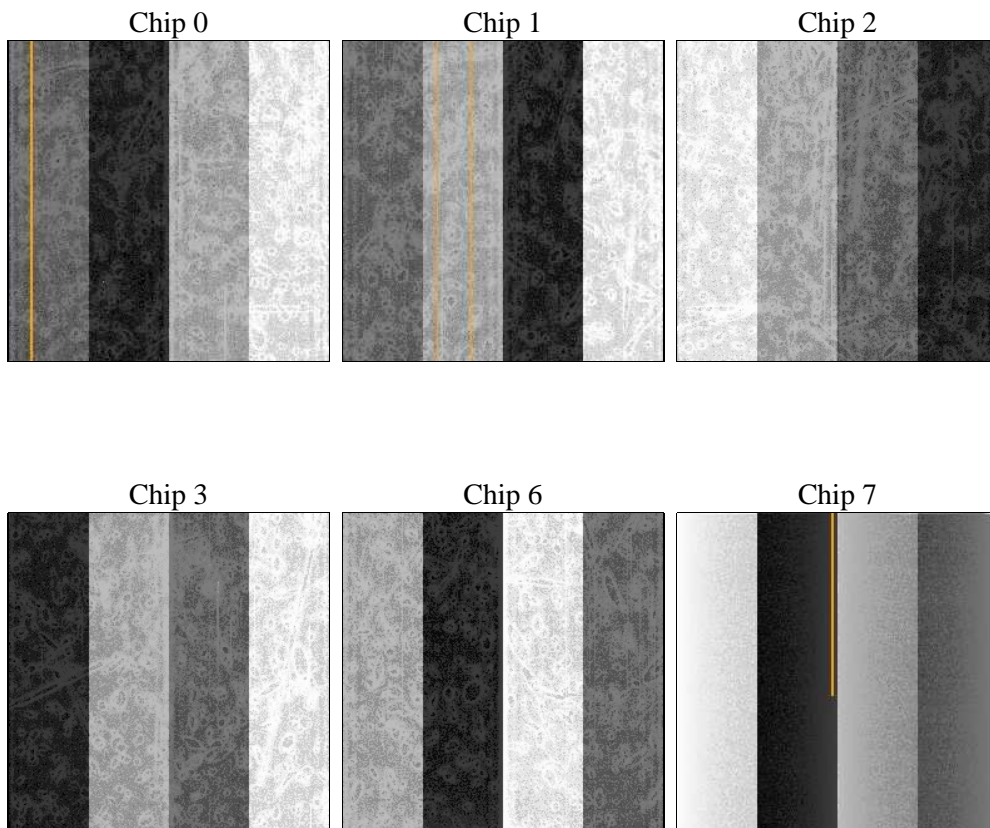
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2198.332000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1542.7222265452	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime0	2139.3585556149	Sum of GTIs [s]
date	2012-09-06T11:25:04	Date and time of file creation	ontime1	2139.3175156116	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2139.2764756233	Sum of GTIs [s]
			ontime3	1542.7222265452	Sum of GTIs [s]
			ontime6	2139.1943956167	Sum of GTIs [s]
			ontime7	2139.3995956182	Sum of GTIs [s]
			l1events	405872	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	405872	0	0
rejected events	0	0	0	55383	0	0
rejected %	0%	0%	0%	13%	0%	0%

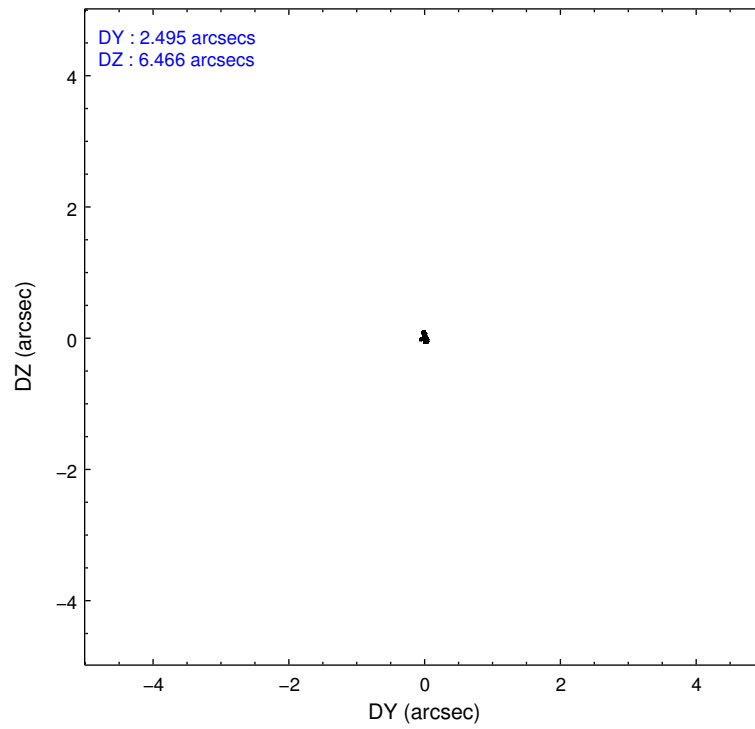
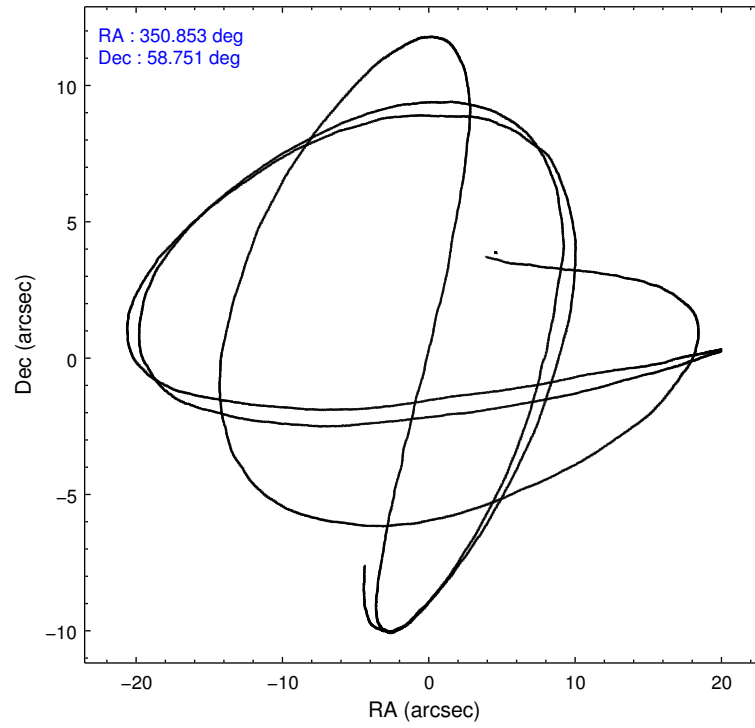
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	0	0	284712	0	0
	0%	0%	0%	70%	0%	0%
grade 1 events	0	0	0	4644	0	0
	0%	0%	0%	1%	0%	0%
grade 2 events	0	0	0	36537	0	0
	0%	0%	0%	9%	0%	0%
grade 3 events	0	0	0	11116	0	0
	0%	0%	0%	2%	0%	0%
grade 4 events	0	0	0	11267	0	0
	0%	0%	0%	2%	0%	0%
grade 5 events	0	0	0	2888	0	0
	0%	0%	0%	0%	0%	0%
grade 6 events	0	0	0	7623	0	0
	0%	0%	0%	1%	0%	0%
grade 7 events	0	0	0	47085	0	0
	0%	0%	0%	11%	0%	0%

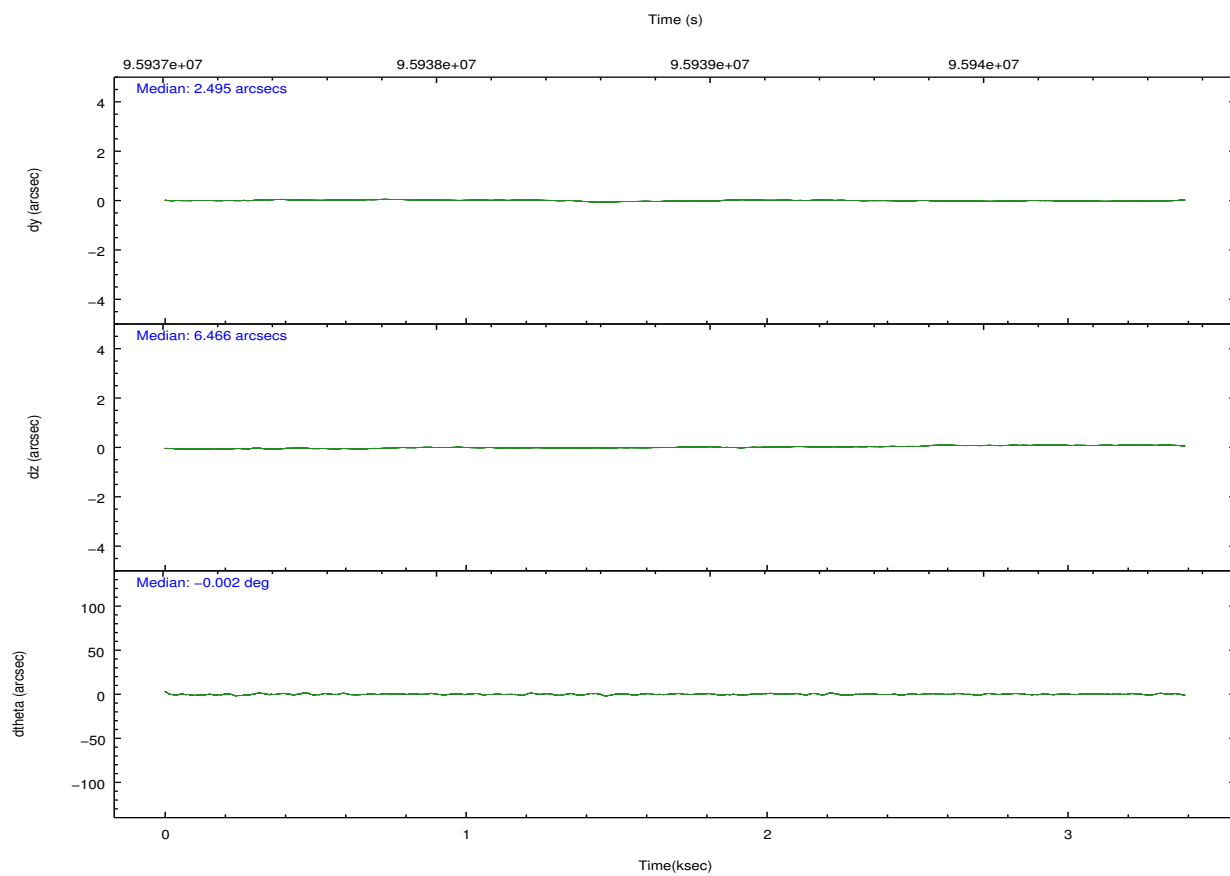
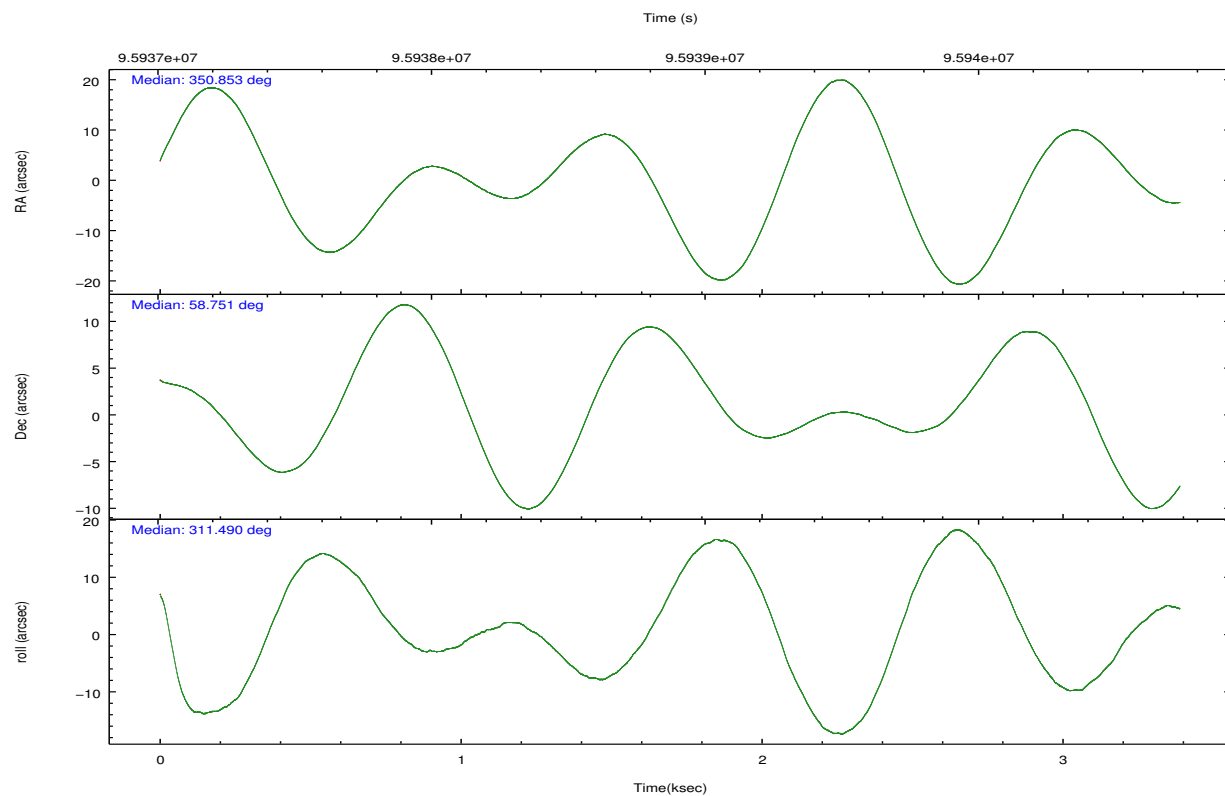
2.2 Compared Parameters

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	350.802856	350.8533879985499
[deg] Pointing Dec	58.760204	58.75136557161453
[deg] Pointing Roll	311.333441	311.498951704422
[s] Window start time (MET)	94694464.184000	94694464.184000
[s] Window stop time (MET)	97286464.184000	97286464.184000
[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)	95938367.184000	95936910.386429
Observation start date	2001-01-15T09:31:43	2001-01-15T09:08:30
[s] Observation end time (MET)	95940565.184000	95940879.699081
Observation end date	2001-01-15T10:08:21	2001-01-15T10:14:39
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



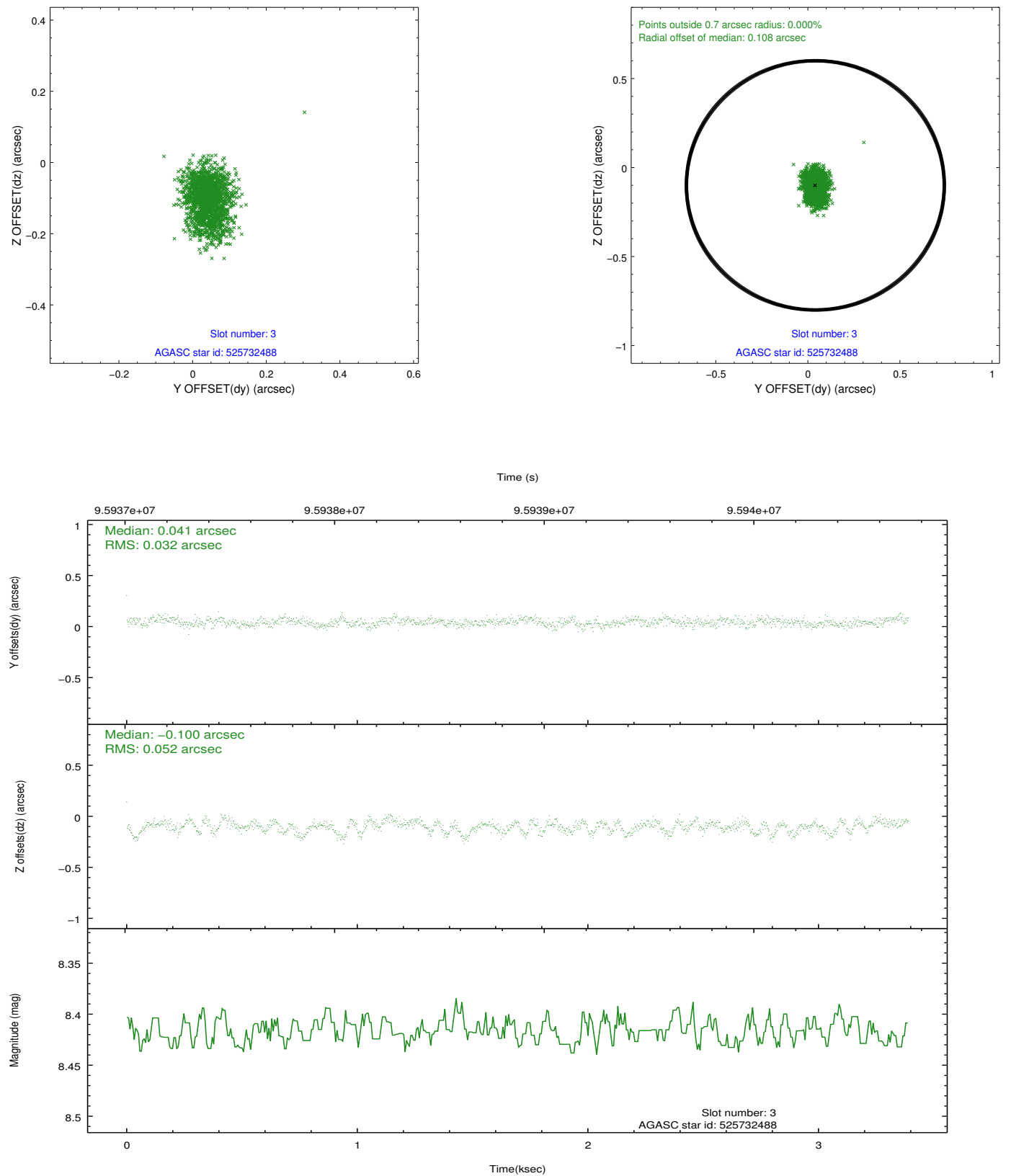


Slot Statistics

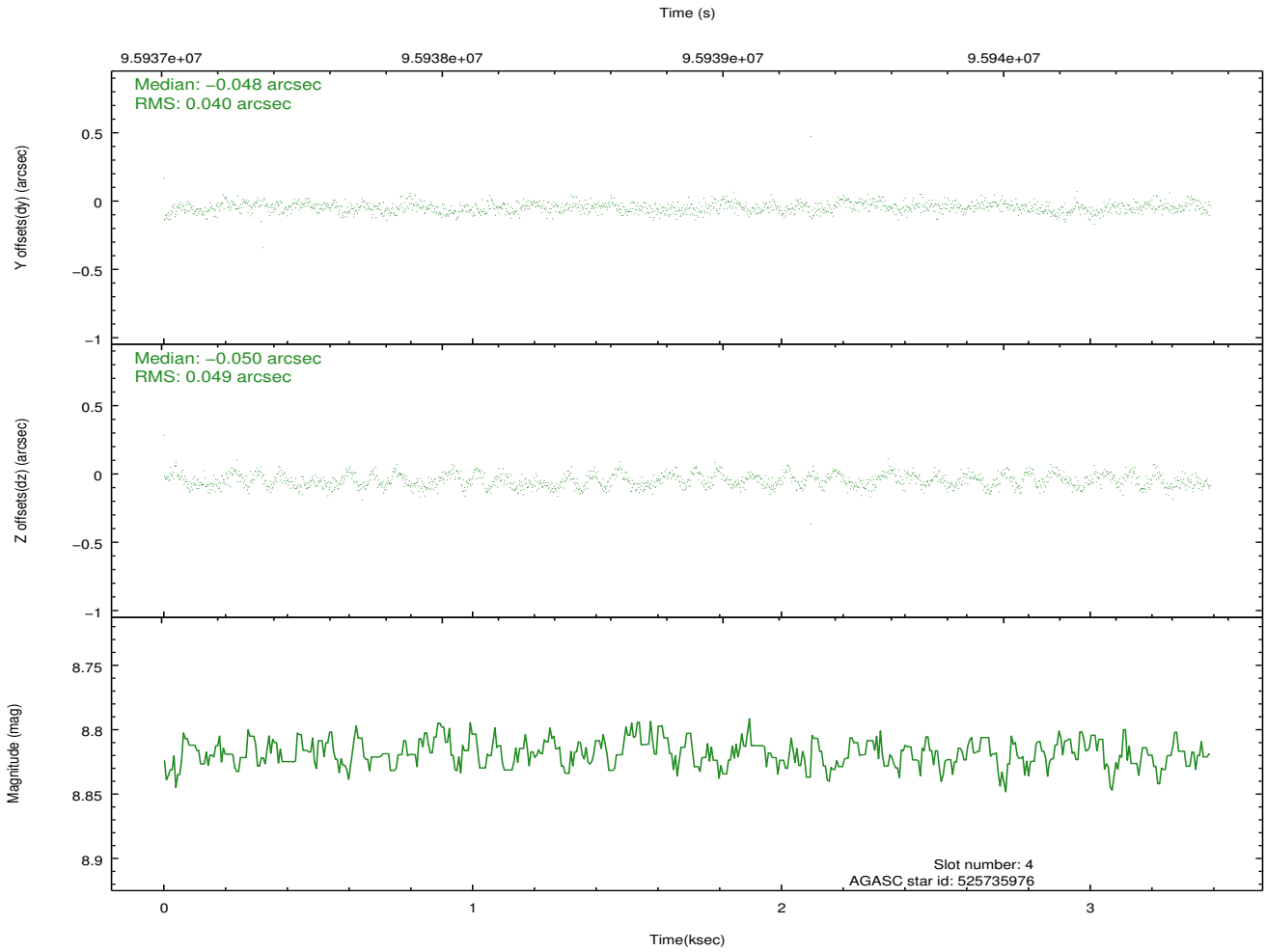
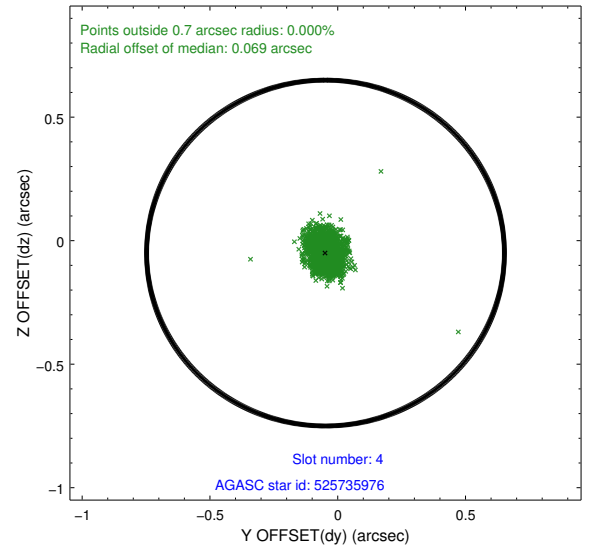
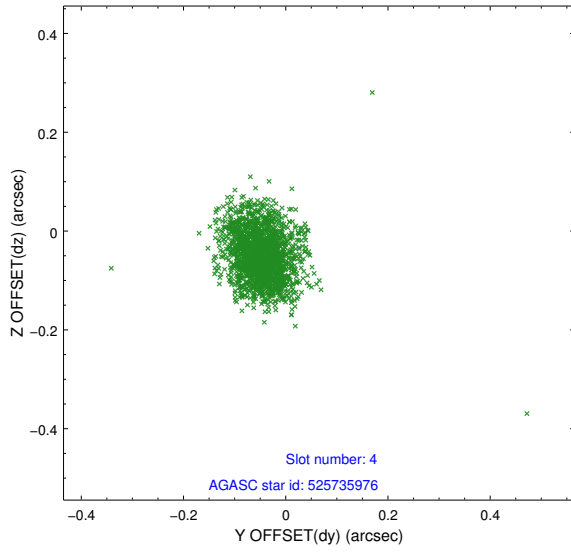
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	827	-0.037	-0.056	0.009	0.016	0.000000	0.000000	-756.90	-836.28
1	FID	ACIS-I-4	7.18	827	-0.012	0.044	0.007	0.012	0.000000	0.000000	2156.34	1069.06
2	FID	ACIS-I-5	7.23	827	-0.051	0.081	0.009	0.015	0.000000	0.000000	-1808.33	1069.08
3	GUIDE	525732488	8.42	1654	0.041	-0.100	0.064	0.108	350.087090	58.516915	-235.67	-1583.59
4	GUIDE	525735976	8.82	1654	-0.048	-0.050	0.066	0.104	350.142956	58.277622	475.60	-2081.52
5	GUIDE	525732232	9.11	1654	0.055	0.068	0.081	0.132	351.669550	58.757012	1070.36	1214.14
6	GUIDE	525736400	9.07	1654	0.001	0.130	0.068	0.113	350.974563	59.175145	-911.84	1226.06
7	GUIDE	525732528	9.38	1652	-0.055	-0.040	0.100	0.154	351.607241	59.298932	-487.04	2398.18

2.4 Star Slots

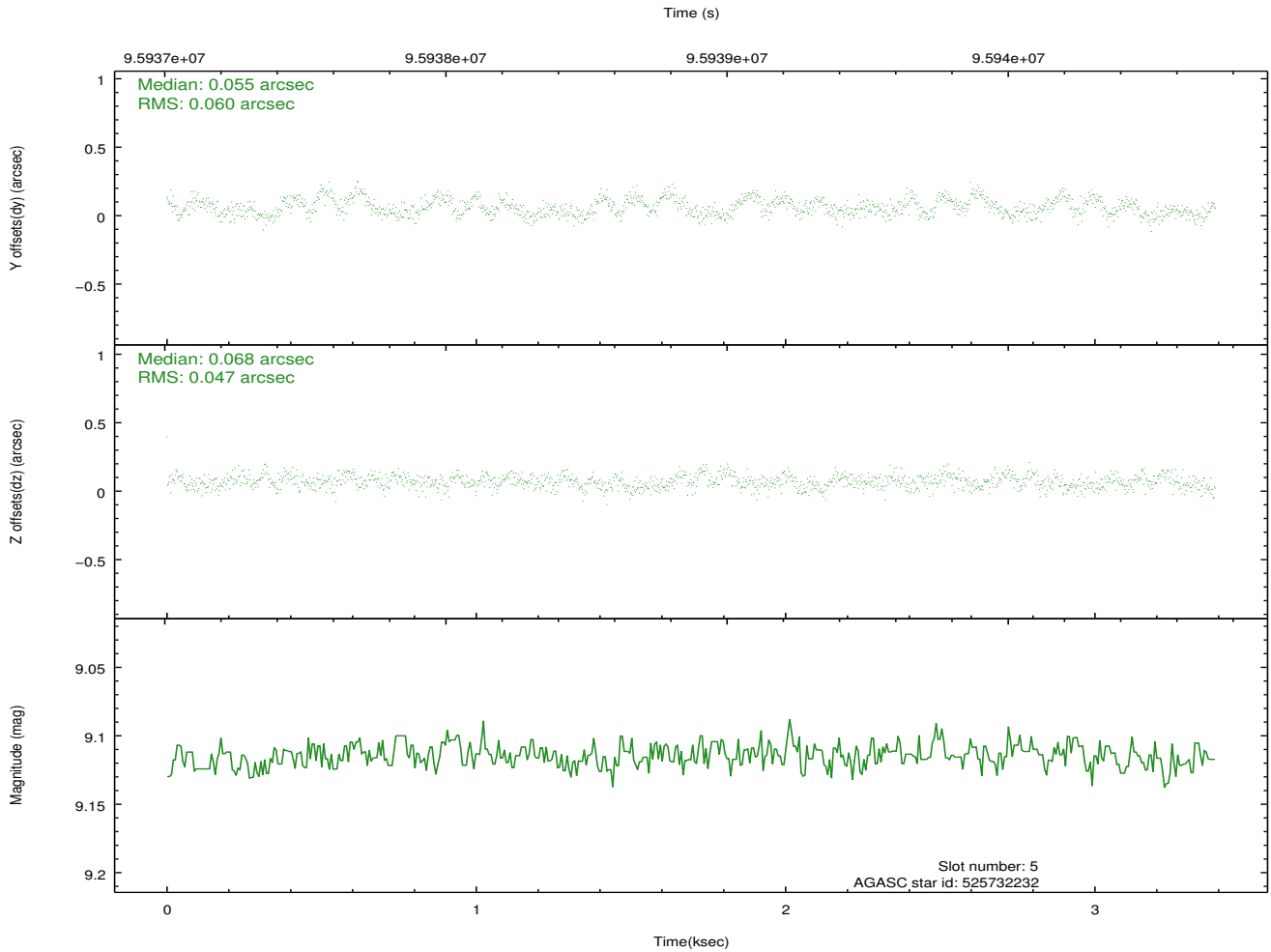
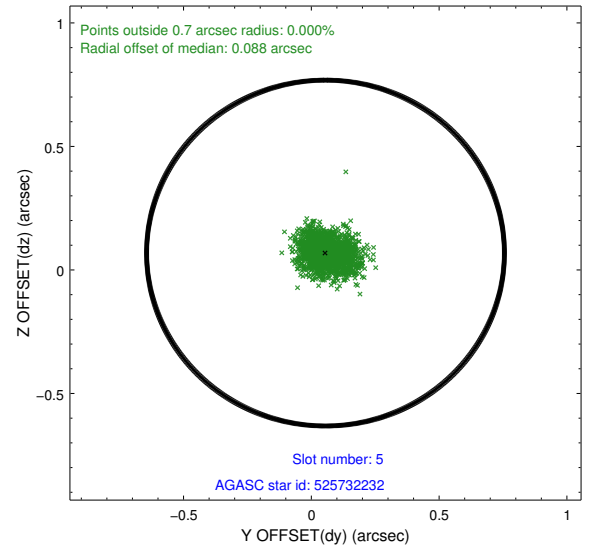
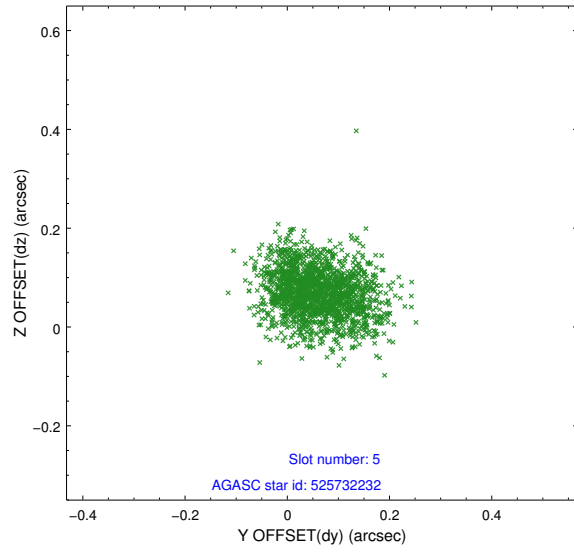
2.4.1 Slot 3



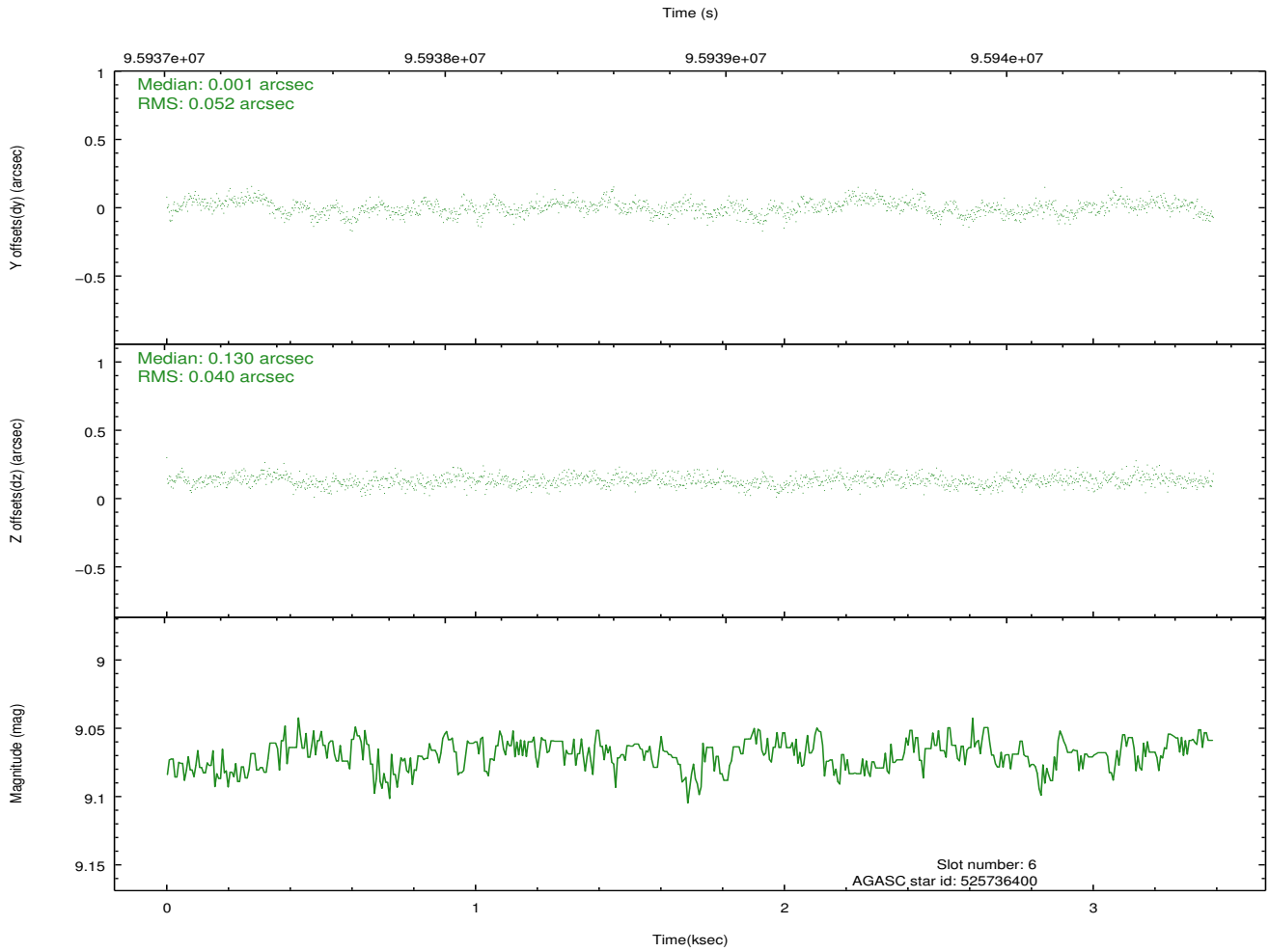
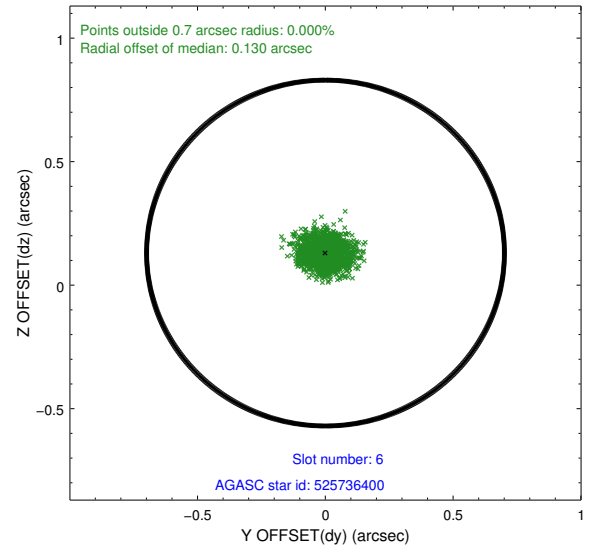
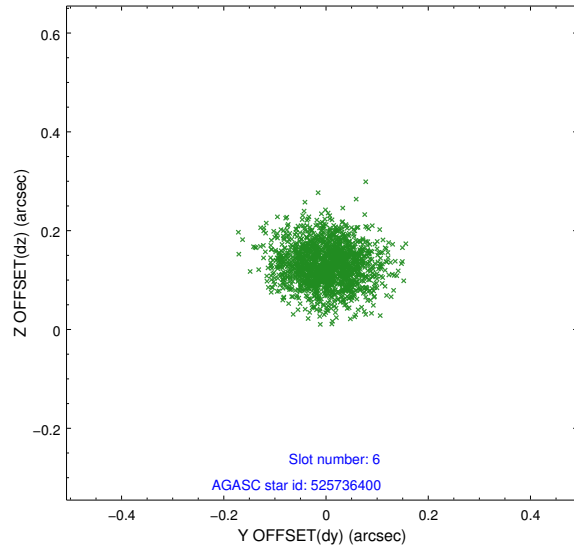
2.4.2 Slot 4



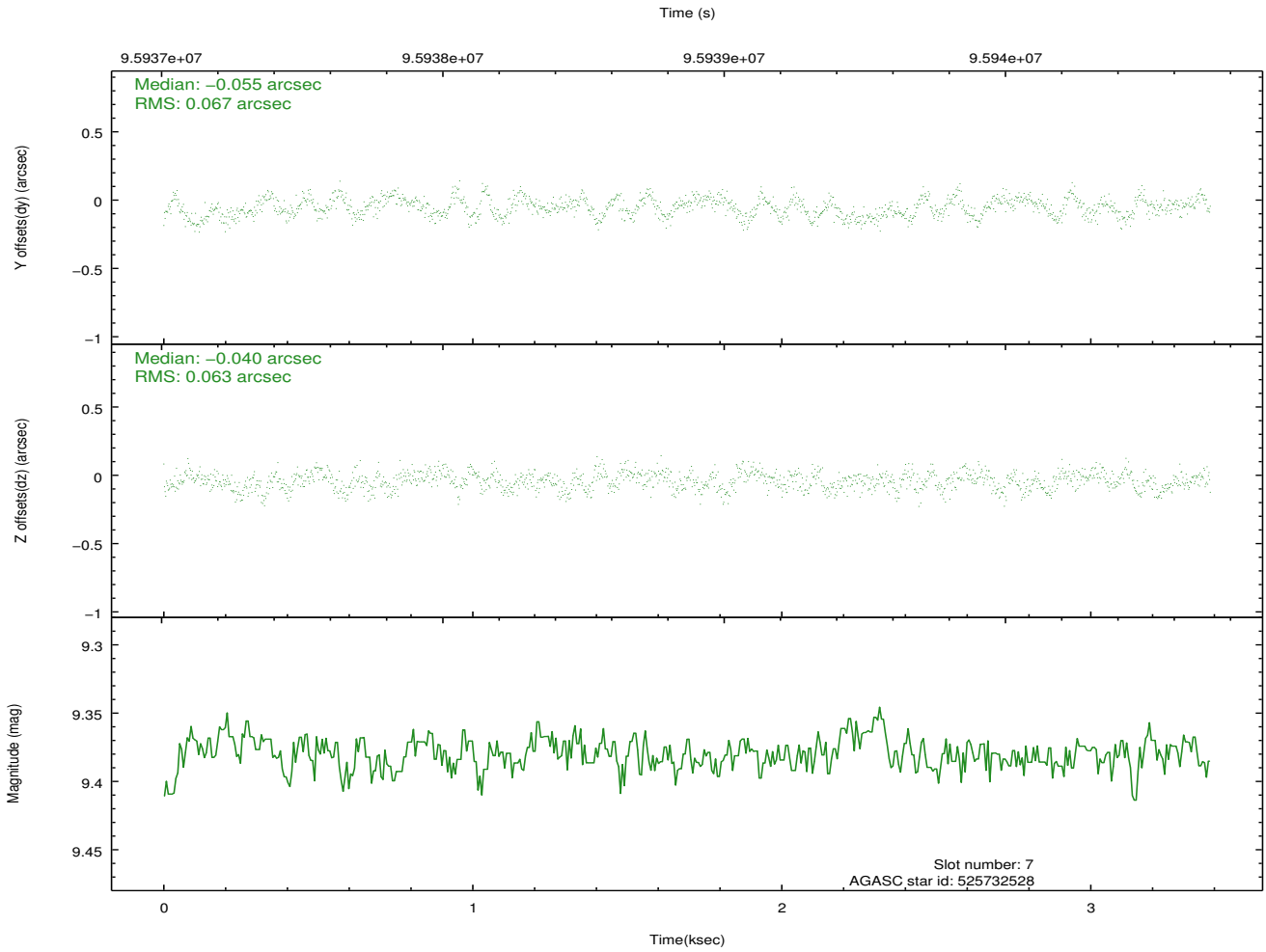
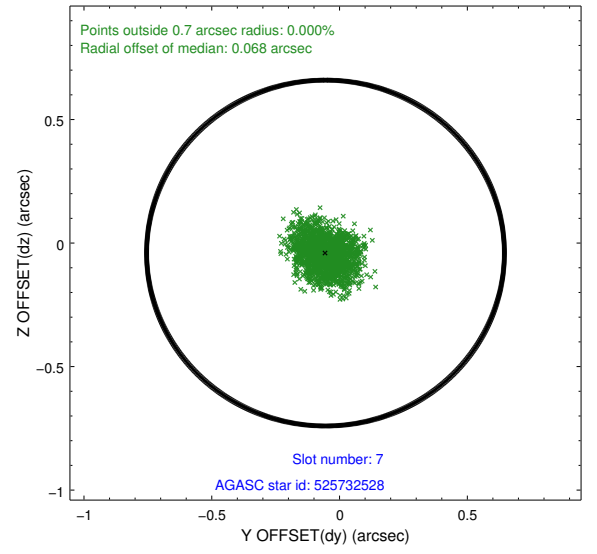
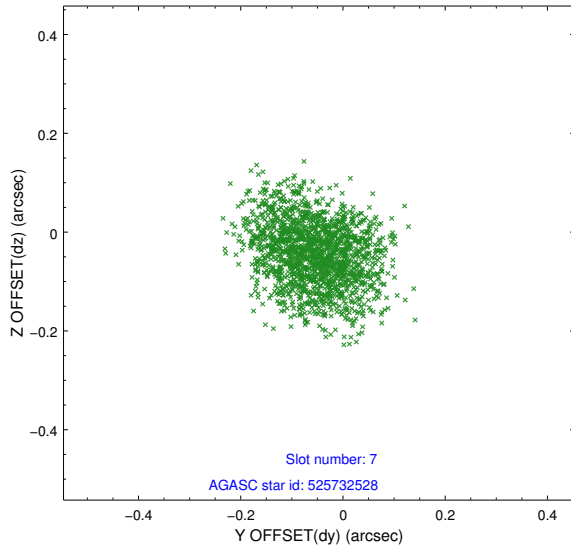
2.4.3 Slot 5



2.4.4 Slot 6

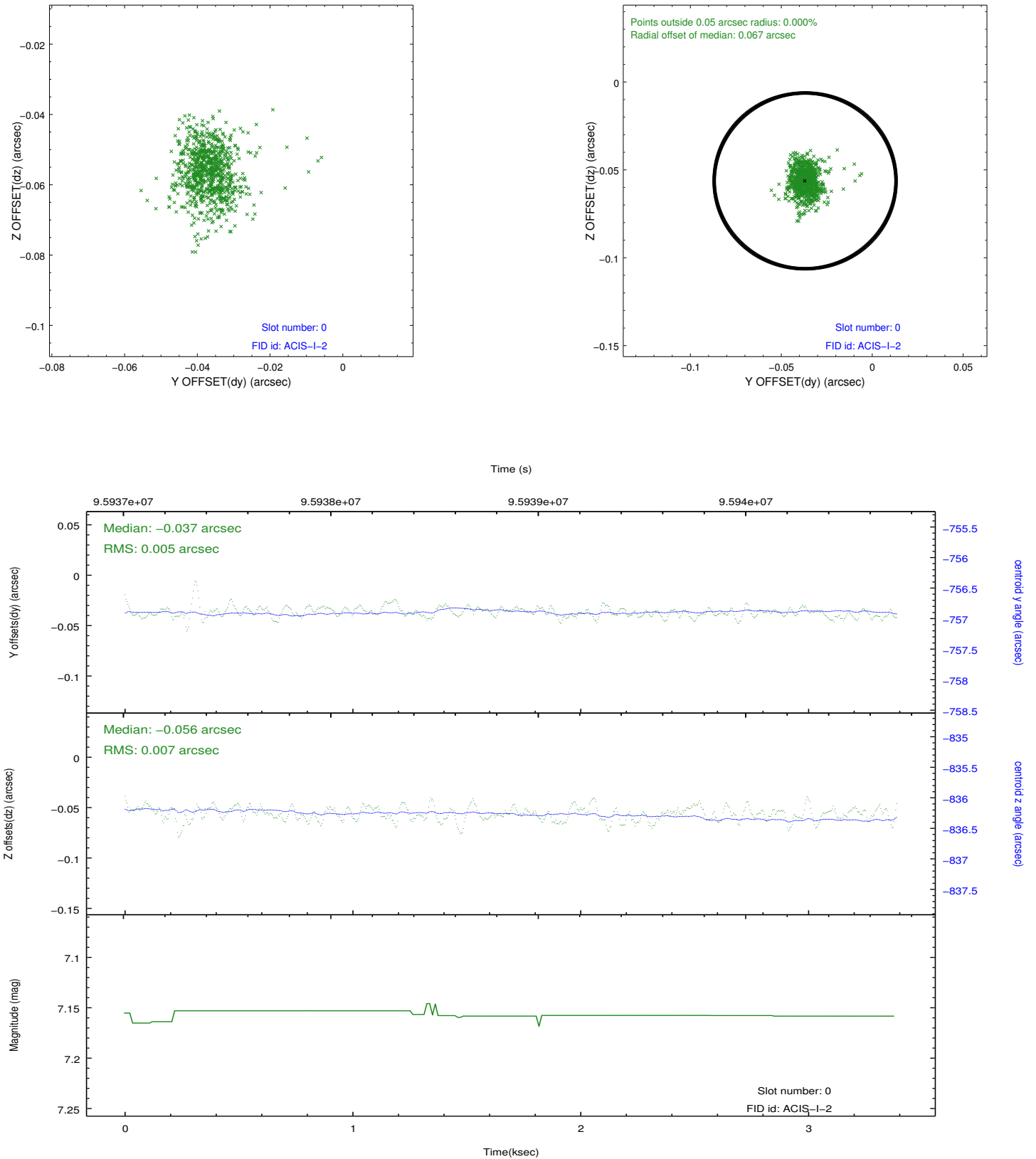


2.4.5 Slot 7

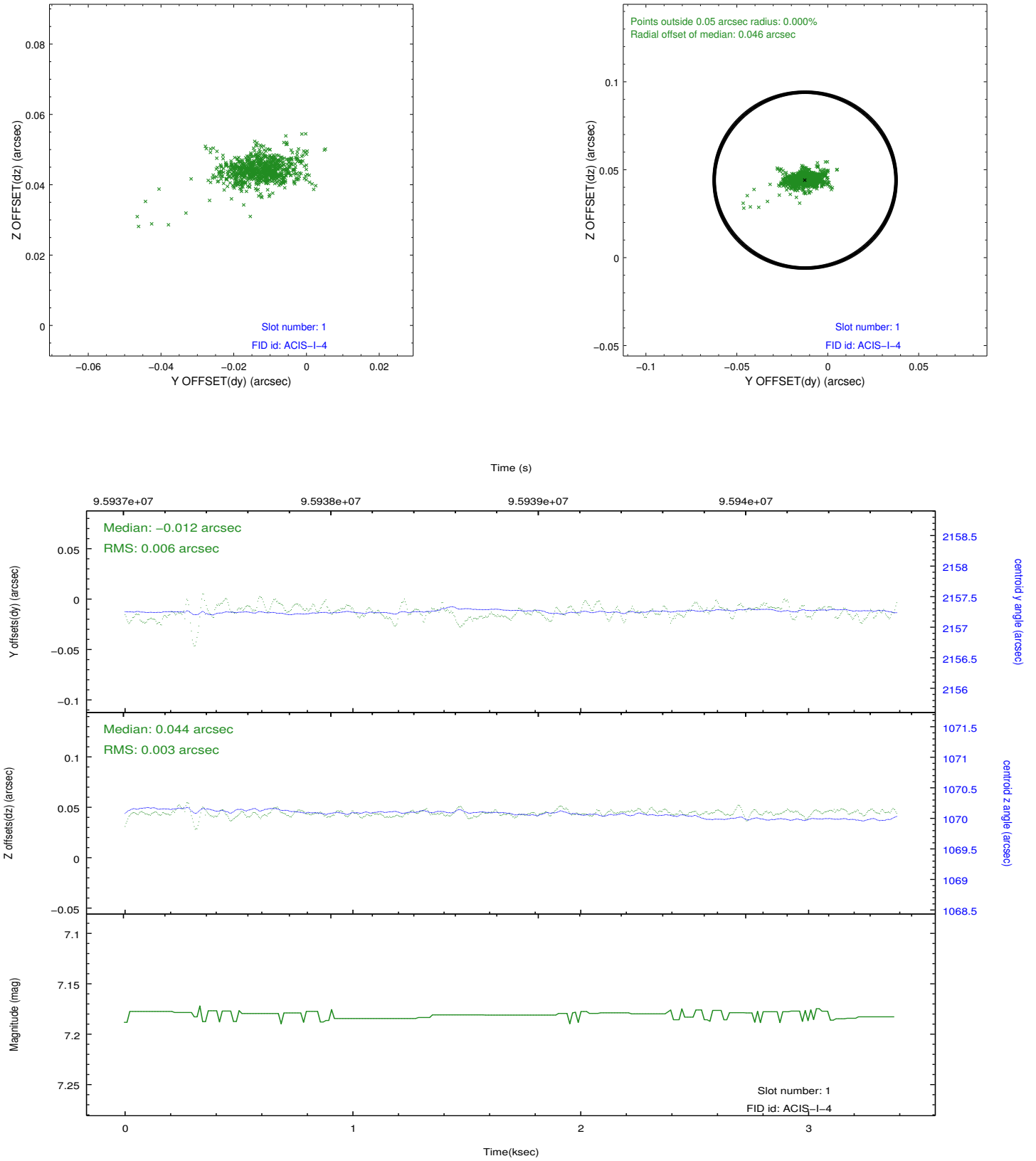


2.5 FID Slots

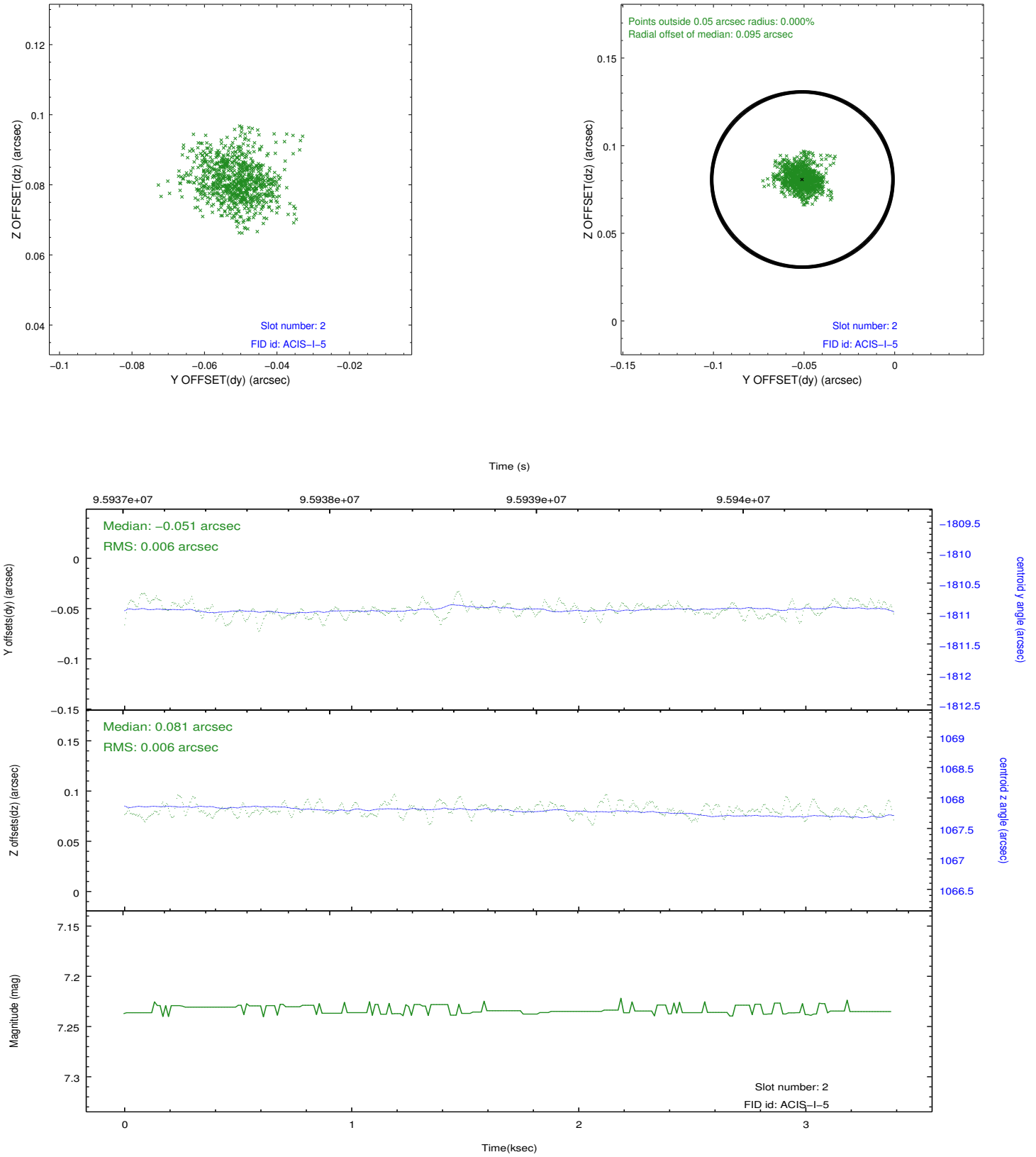
2.5.1 Slot 0



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)	2012.09.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.551

A.2 Comments

Charge time for this ObsId remains at previous value of 1.551 ks although with the current processing the charge time would have been 1.54 ksec. Window constraint met. ACIS Window in place, so that only chip I3 has events.