

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2876 - L2 Version 3
Chandra X-Ray Center

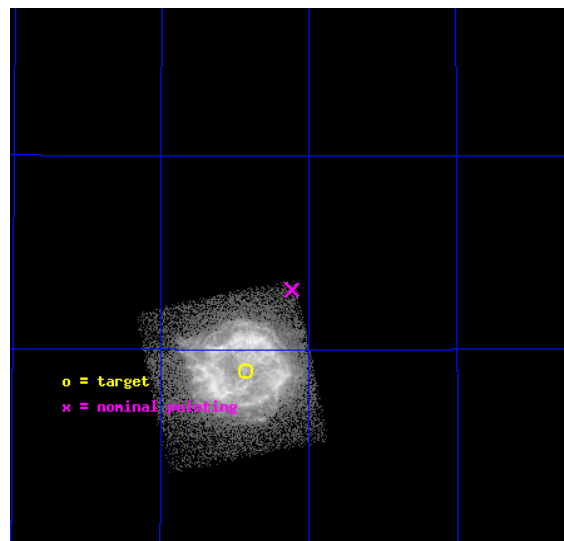
L2 Processing Date : Oct 13 2012

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1 Front

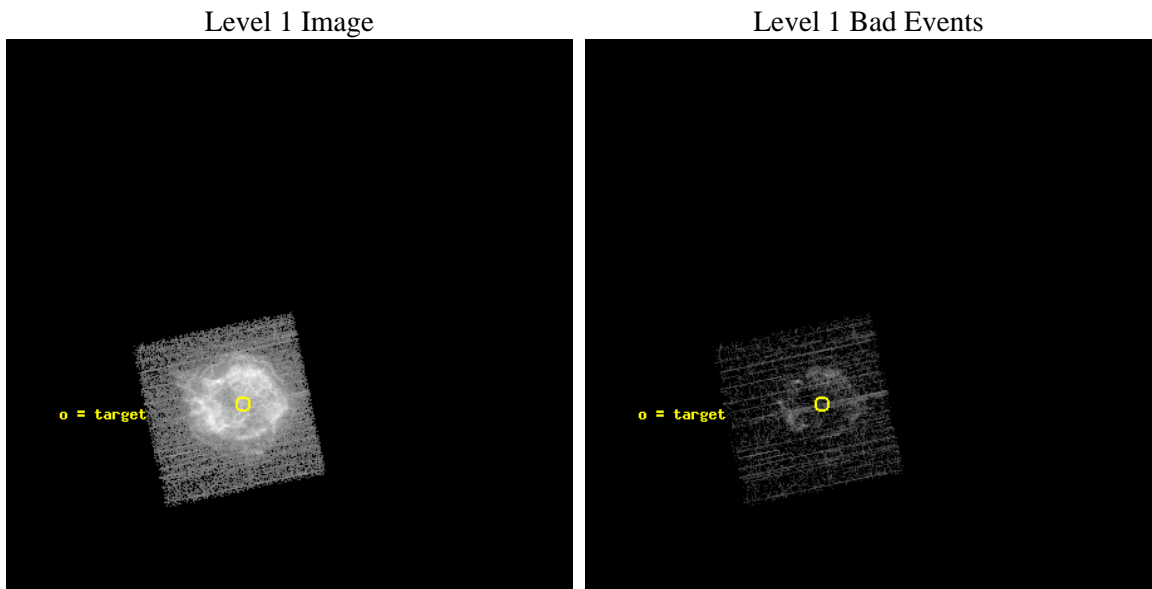
seq_num	590265	Sequence number
obs_id	2876	Observation id
title	AO3B CALIBRATION OBSERVATIONS THE STANDARD CANDLES CAS A AND G21.5-09	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip I3, T=120, Offsets=-2,2,0]	Source name
dtcycle	0	
cycle	P	events from which exps? 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	350.77908843029	Nominal RA [deg]
dec_nom	58.88493545269	Nominal Dec [deg]
roll_nom	168.19010826864	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1459.3317630887	Sum of GTIs [s]
livetime	1440.8528256004	Livetime [s]
ontime0	1955.1999927163	Sum of GTIs [s]
ontime1	1955.1999927163	Sum of GTIs [s]
ontime2	1955.1999927163	Sum of GTIs [s]
ontime3	1459.3317630887	Sum of GTIs [s]
ontime6	1955.1999927163	Sum of GTIs [s]
ontime7	1955.1999927163	Sum of GTIs [s]
l2events	313839	Number of level 2 events



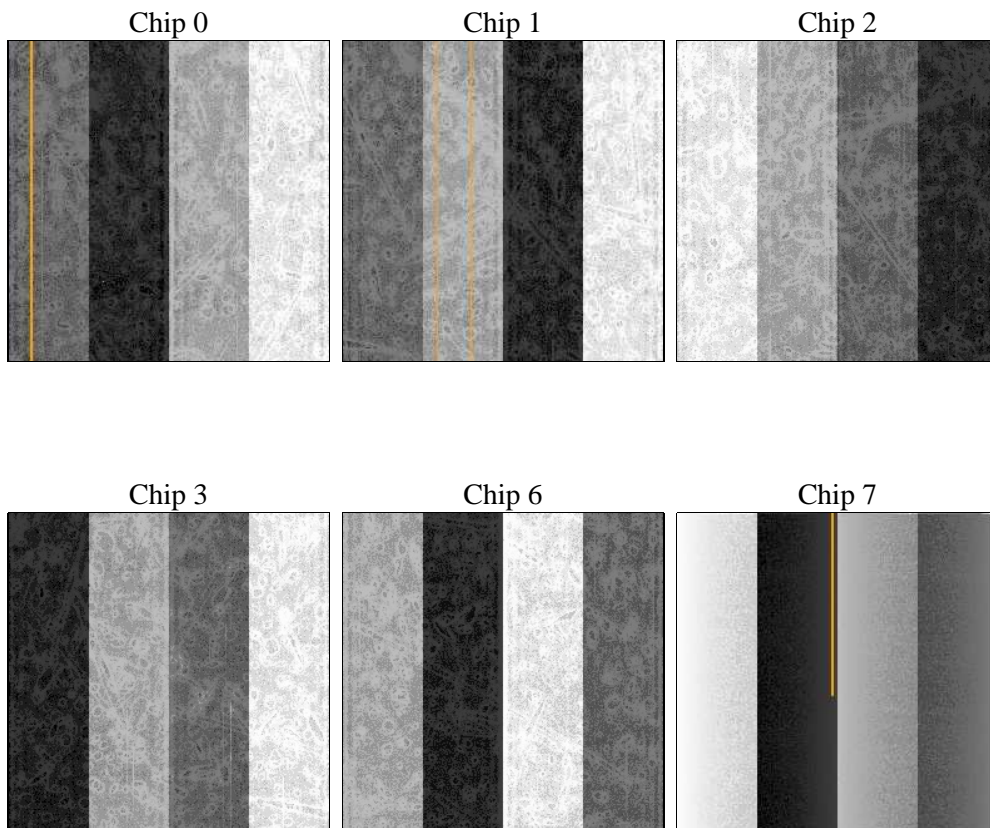
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1459.3317630887	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	1955.1999927163	Sum of GTIs [s]
date	2012-10-13T05:17:47	Date and time of file creation	ontime1	1955.1999927163	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	1955.1999927163	Sum of GTIs [s]
			ontime3	1459.3317630887	Sum of GTIs [s]
			ontime6	1955.1999927163	Sum of GTIs [s]
			ontime7	1955.1999927163	Sum of GTIs [s]
			l1events	373186	Number of level 1 events

2.1.4 Events

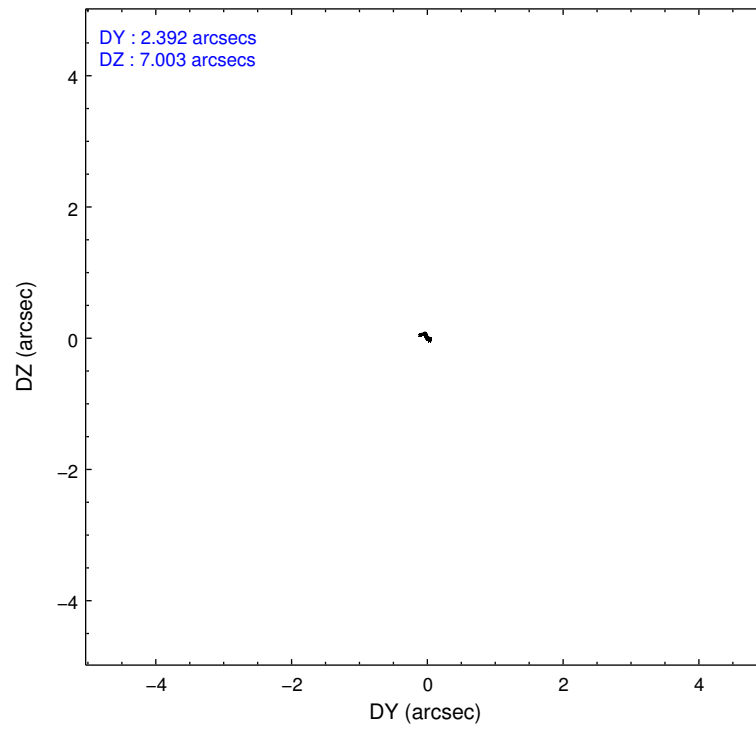
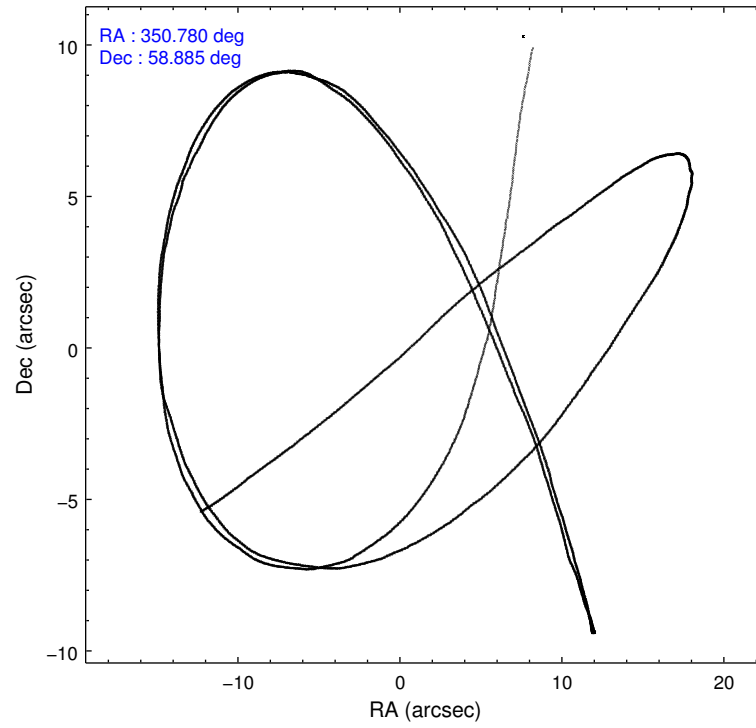
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	0	0	0	373186	0	0
rejected events	0	0	0	48262	0	0
rejected %	0%	0%	0%	12%	0%	0%

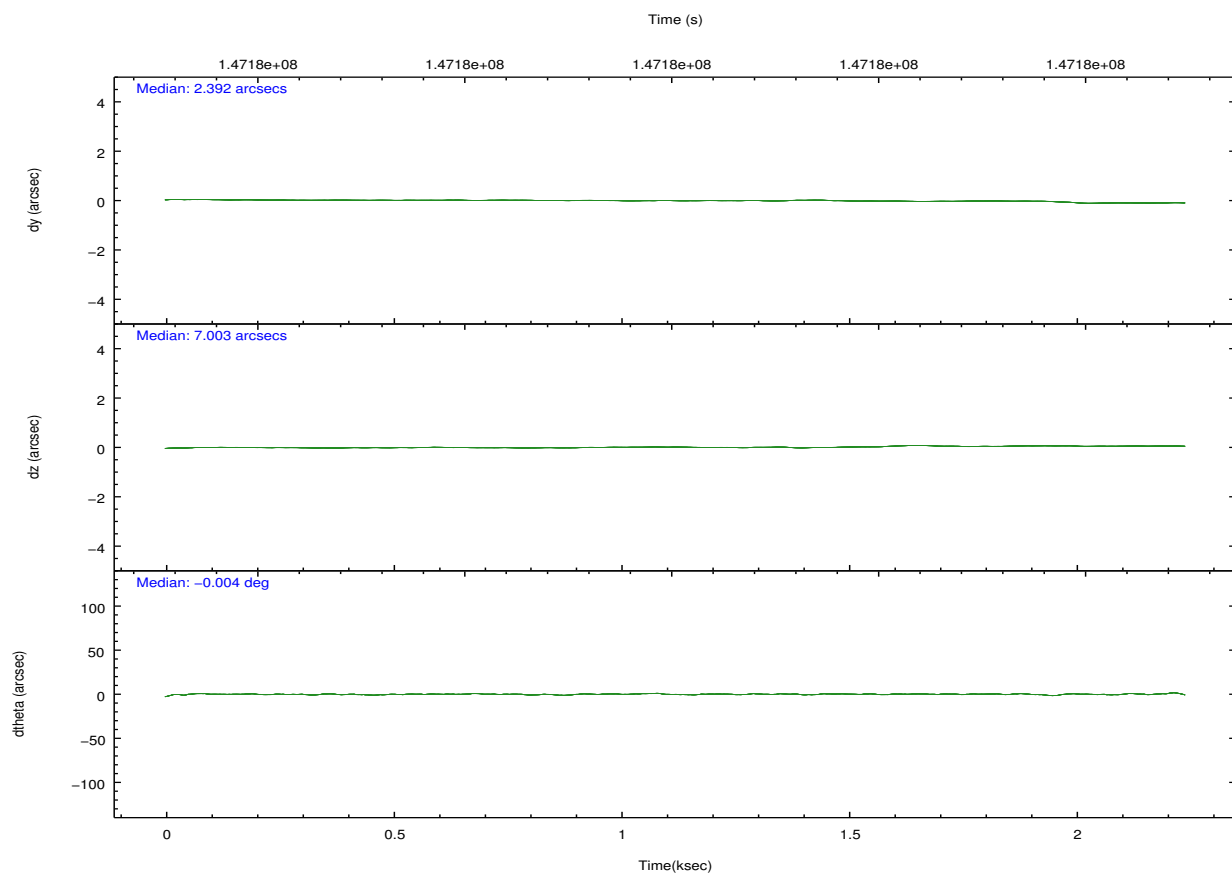
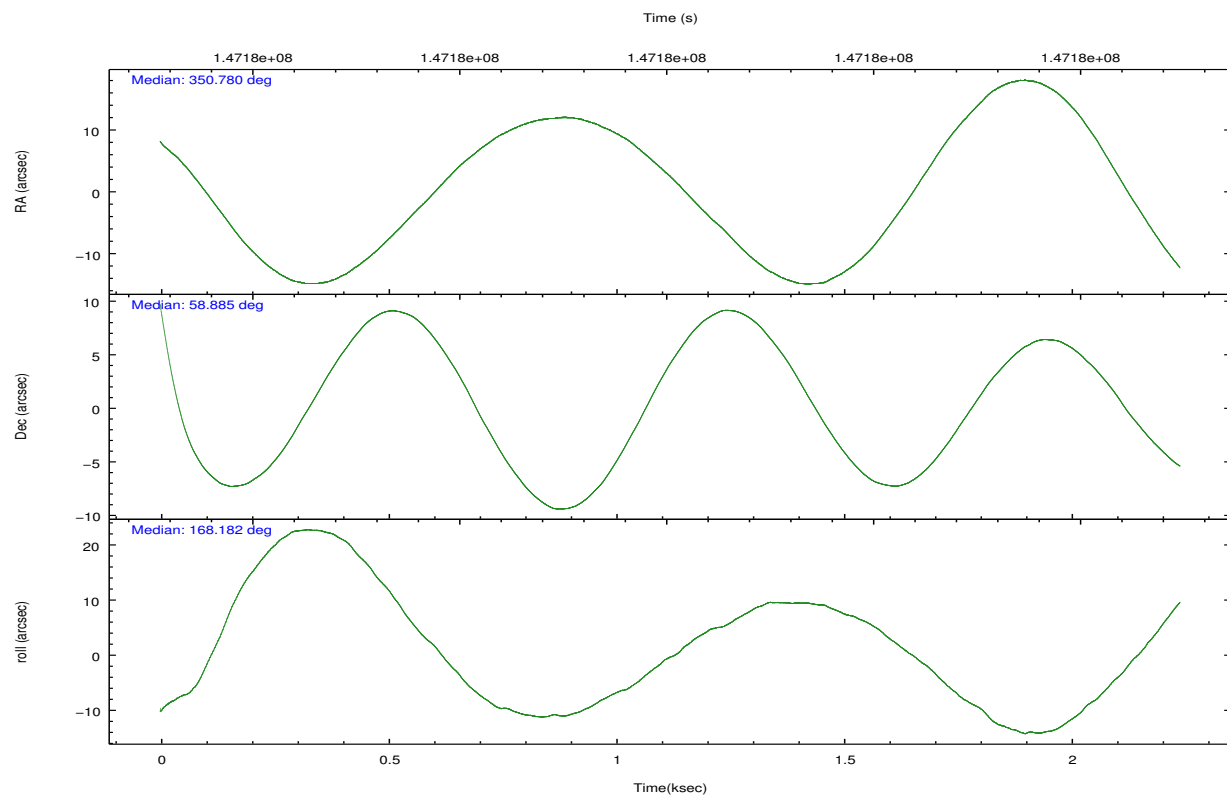
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	0	0	263815	0	0
	0%	0%	0%	70%	0%	0%
grade 1 events	0	0	0	4157	0	0
	0%	0%	0%	1%	0%	0%
grade 2 events	0	0	0	33606	0	0
	0%	0%	0%	9%	0%	0%
grade 3 events	0	0	0	10653	0	0
	0%	0%	0%	2%	0%	0%
grade 4 events	0	0	0	10469	0	0
	0%	0%	0%	2%	0%	0%
grade 5 events	0	0	0	2707	0	0
	0%	0%	0%	0%	0%	0%
grade 6 events	0	0	0	7106	0	0
	0%	0%	0%	1%	0%	0%
grade 7 events	0	0	0	40673	0	0
	0%	0%	0%	10%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	350.829434	350.7790884302924	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.893606	58.88493545268993	Alternating exposures requested	N	N
[deg] Pointing Roll	167.938299	168.1901082686365	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	141868864.184000	141868864.184000			
[s] Window stop time (MET)	147312064.184000	147312064.184000			
[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)	147182125.184000	147181136.55252			
Observation start date	2002-08-31T11:54:21	2002-08-31T11:38:56			
[s] Observation end time (MET)	147184125.184000	147185344.17769			
Observation end date	2002-08-31T12:27:41	2002-08-31T12:49:04			
Read mode	TIMED	TIMED			

2.3 Aspect



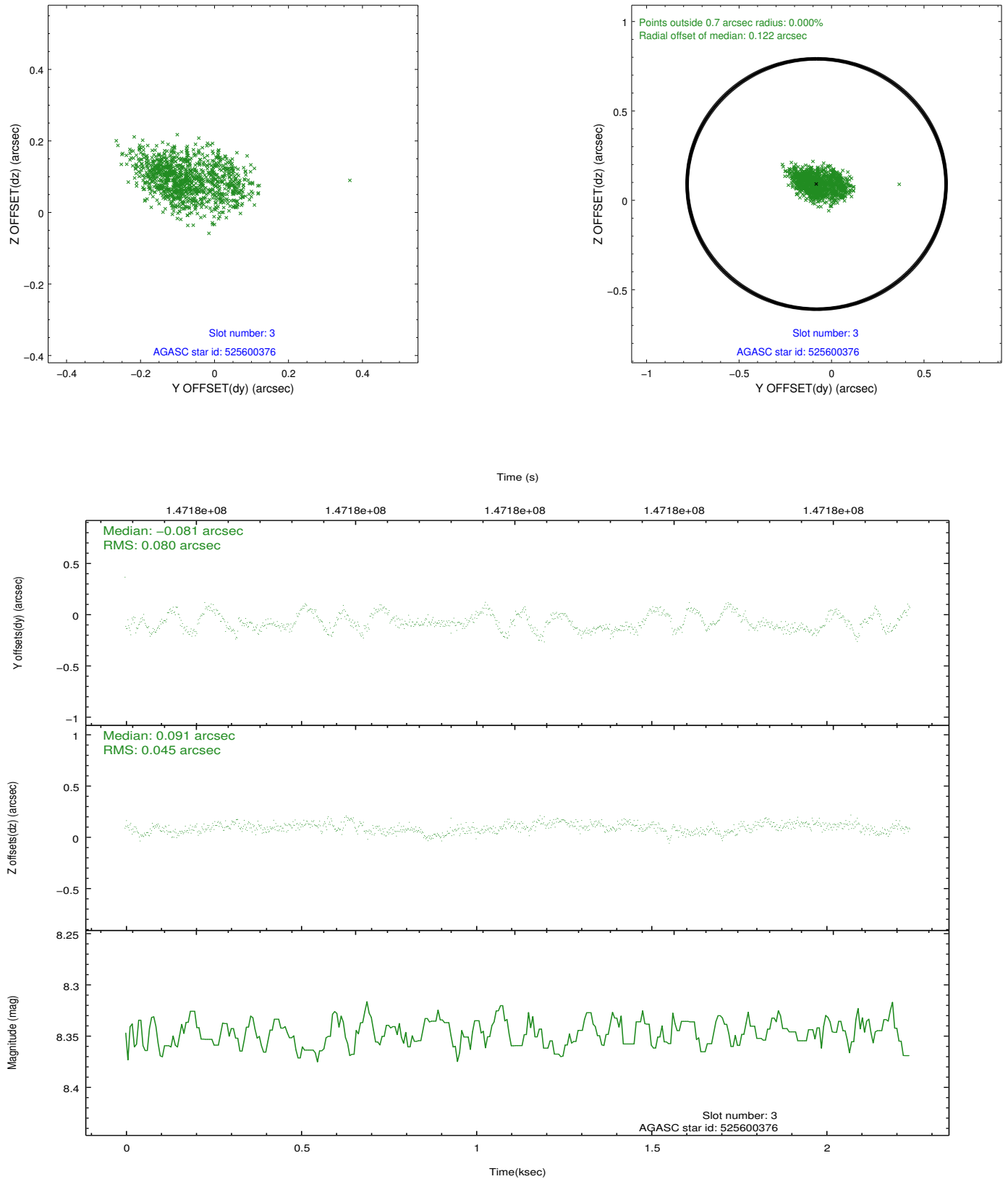


Slot Statistics

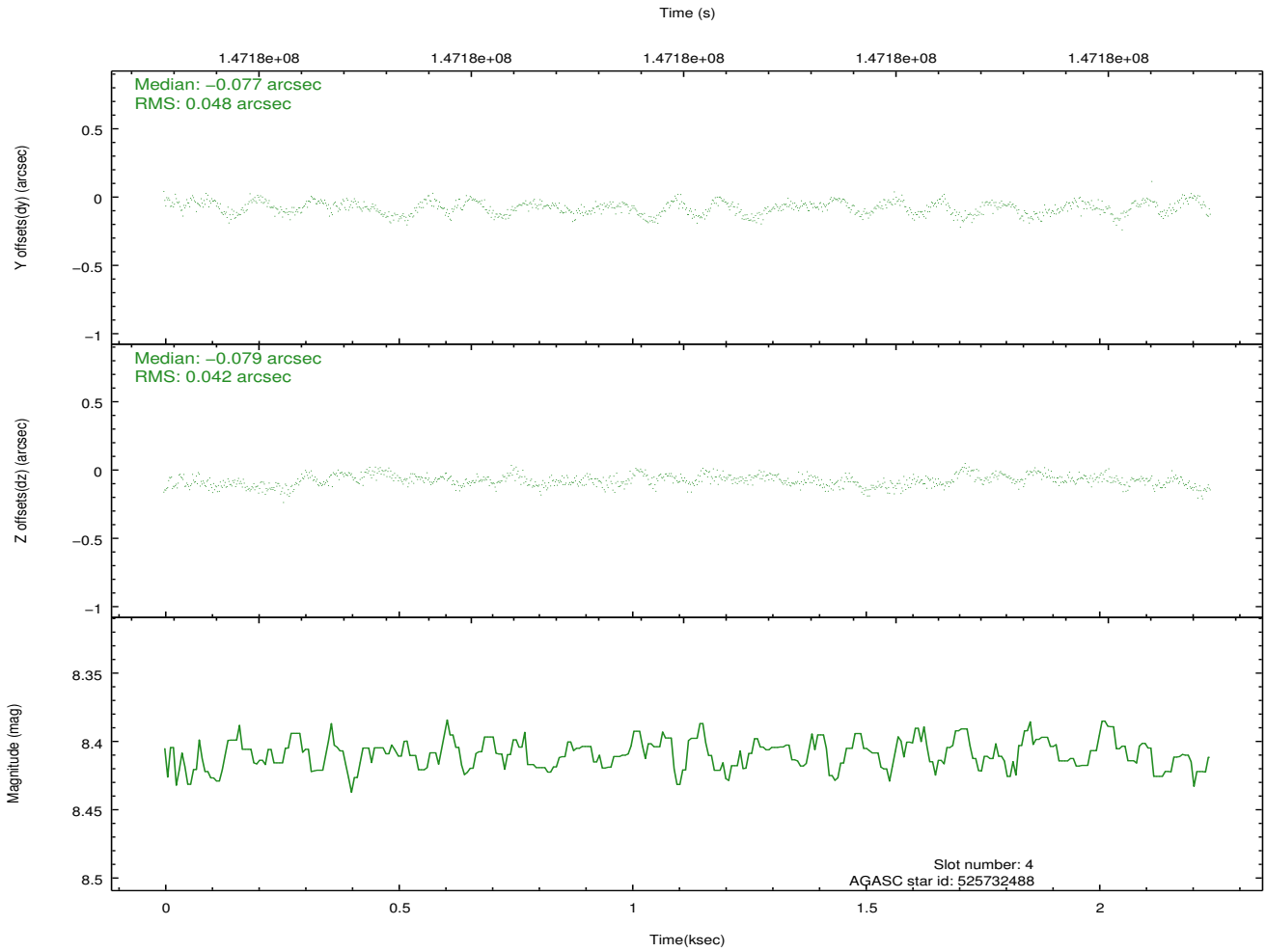
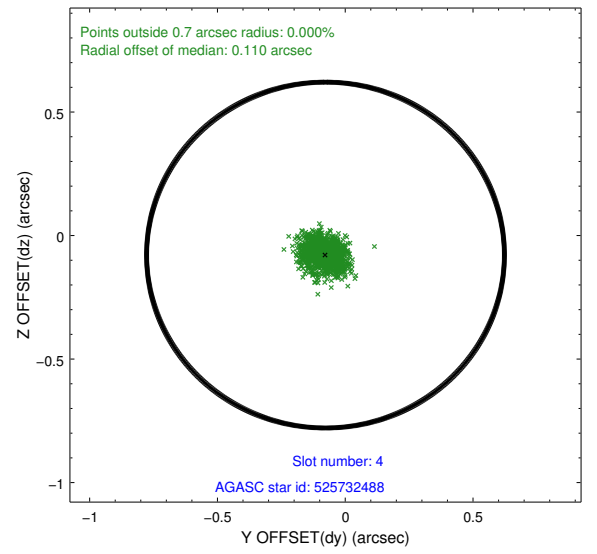
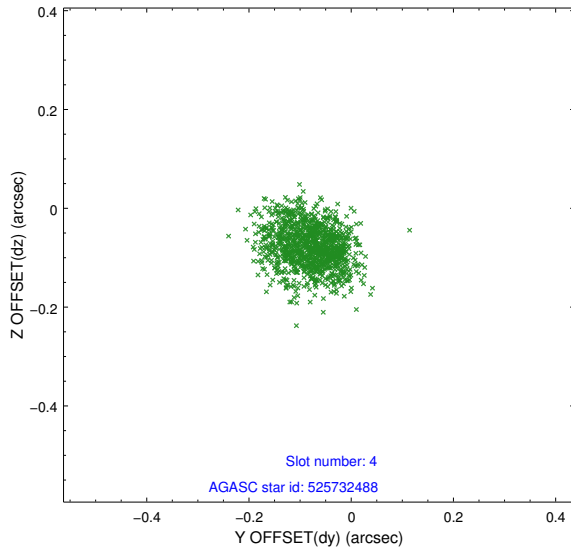
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	547	0.050	-0.045	0.006	0.011	0.000000	0.000000	937.51	-830.42
1	FID	ACIS-I-5	7.24	547	0.107	0.139	0.007	0.012	0.000000	0.000000	-1808.98	1065.72
2	FID	ACIS-I-6	7.25	547	-0.247	-0.025	0.007	0.012	0.000000	0.000000	399.53	1713.42
3	GUIDE	525600376	8.35	1094	-0.081	0.091	0.098	0.159	349.956653	59.633357	2114.02	-2282.58
4	GUIDE	525732488	8.41	1093	-0.077	-0.079	0.068	0.107	350.087090	58.516915	1086.49	1607.87
5	GUIDE	525732232	9.11	1094	0.106	0.033	0.071	0.115	351.669550	58.757012	-1632.26	144.71
6	GUIDE	525609504	9.08	1094	-0.100	-0.227	0.098	0.152	349.896632	58.356658	1321.49	2246.29
7	GUIDE	525732528	9.36	1088	0.152	0.186	0.109	0.173	351.607241	59.298932	-1088.08	-1732.03

2.4 Star Slots

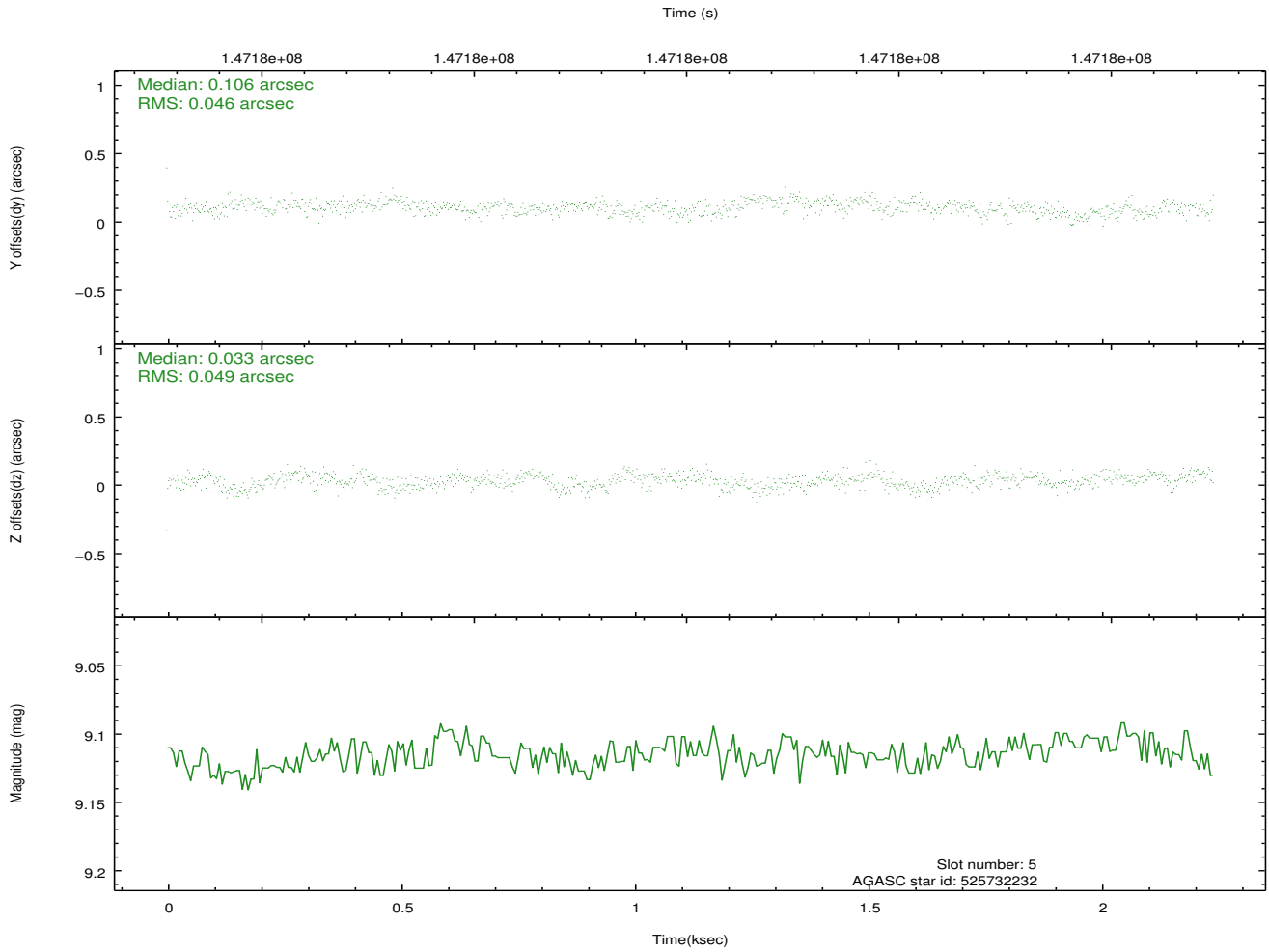
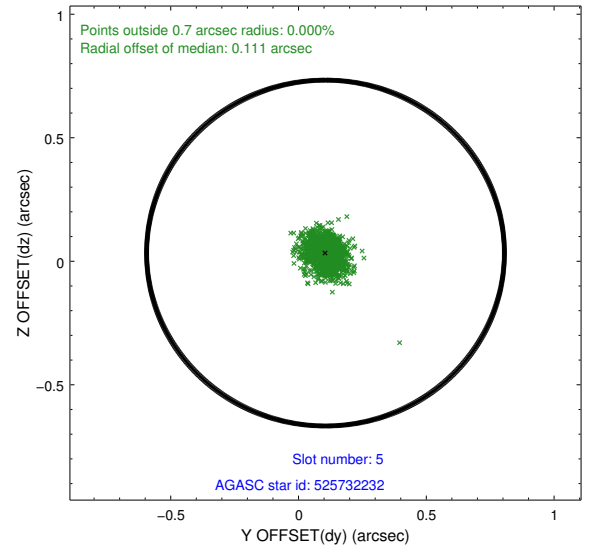
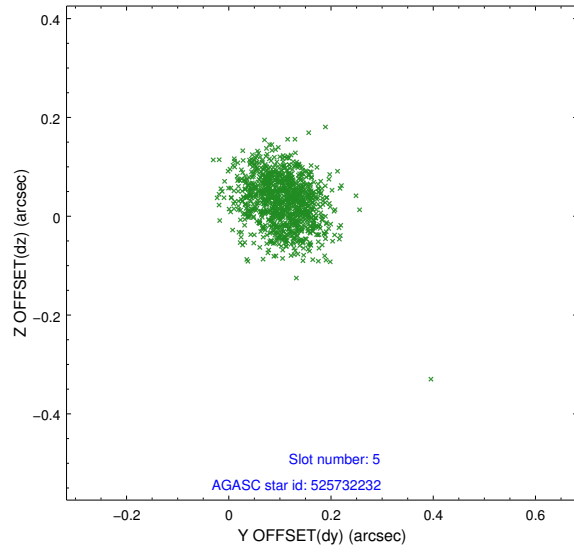
2.4.1 Slot 3



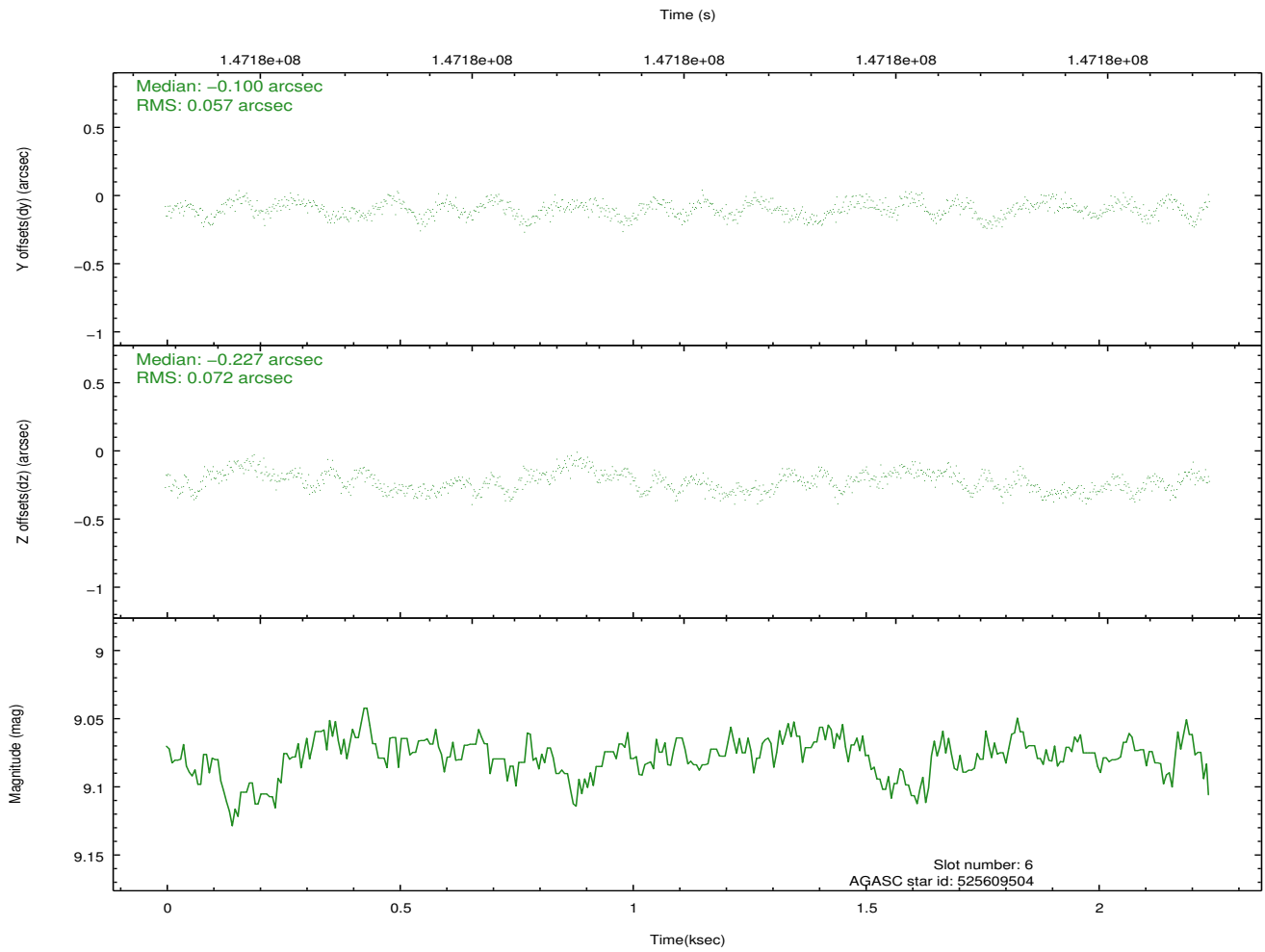
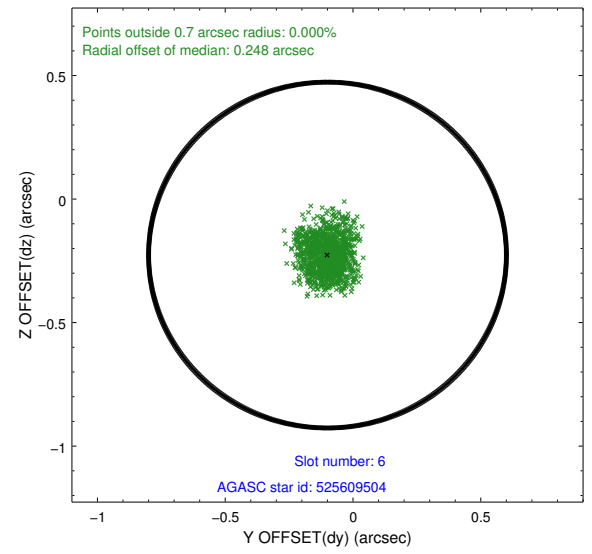
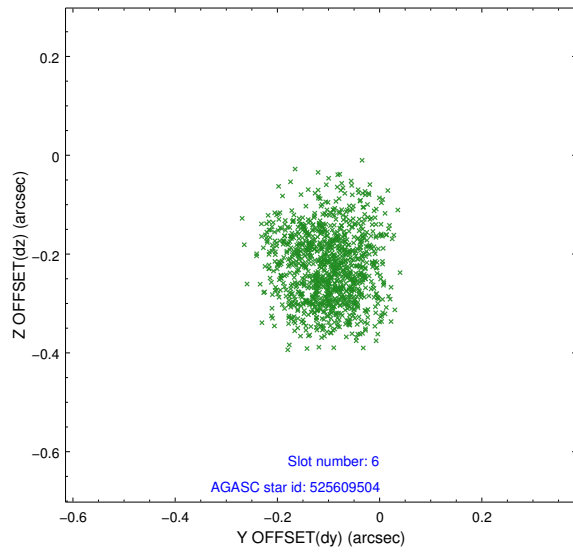
2.4.2 Slot 4



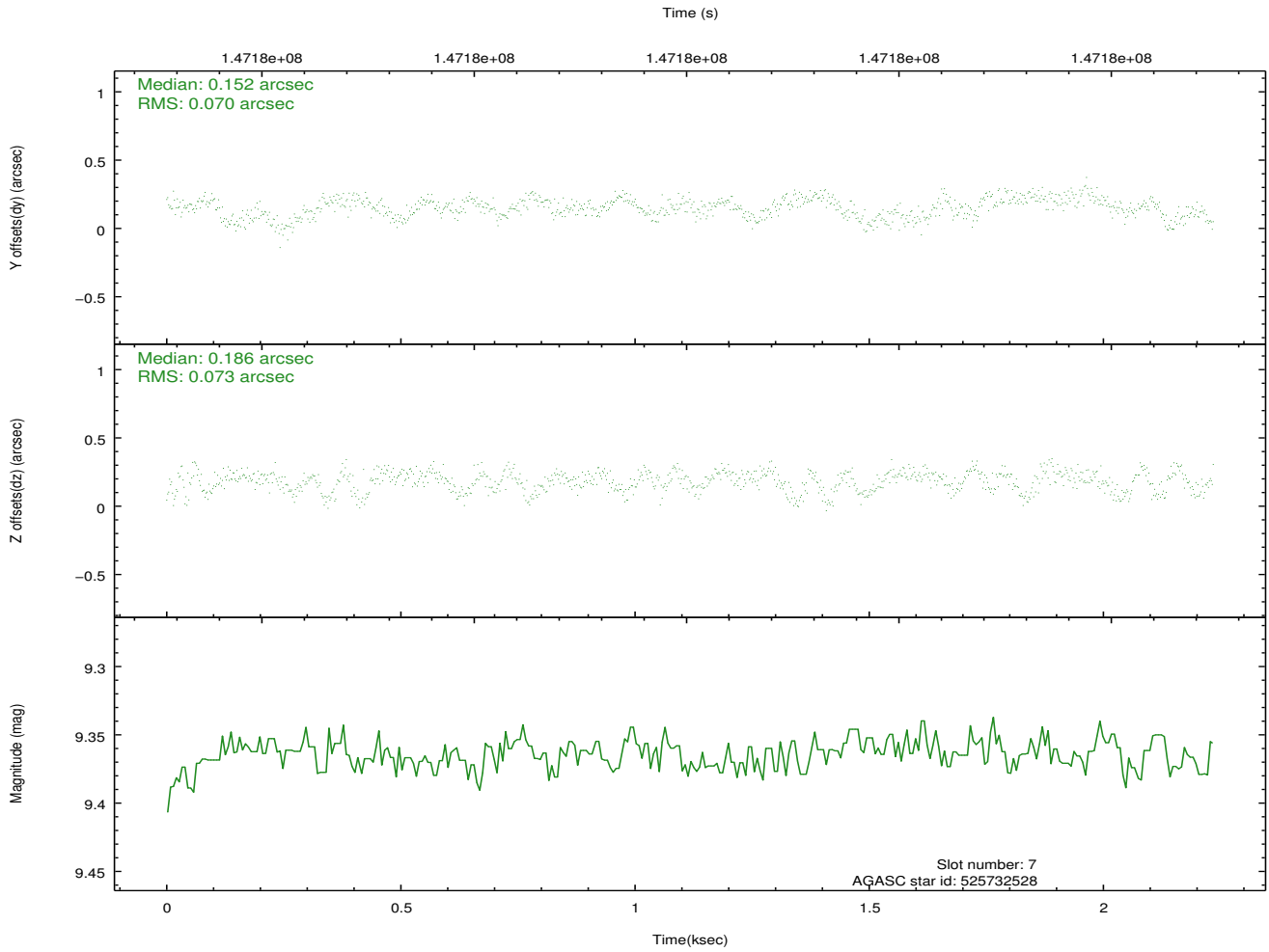
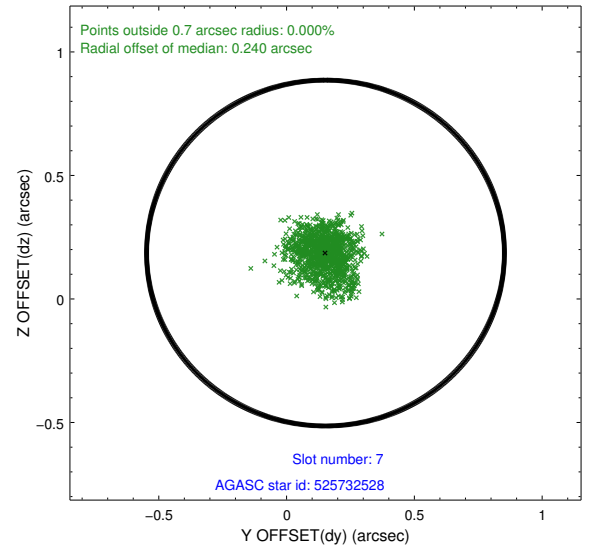
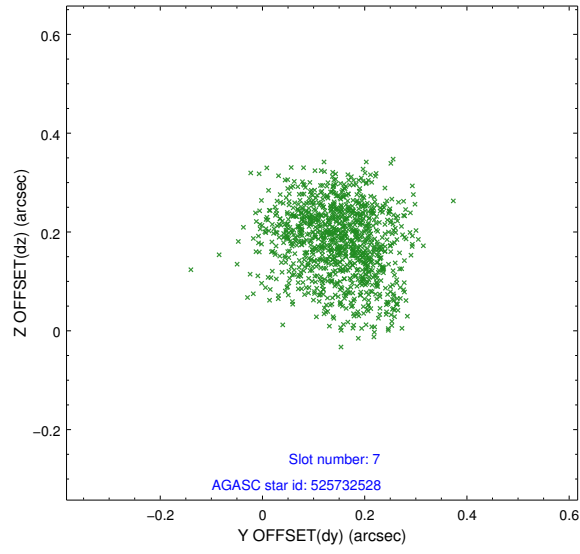
2.4.3 Slot 5



2.4.4 Slot 6

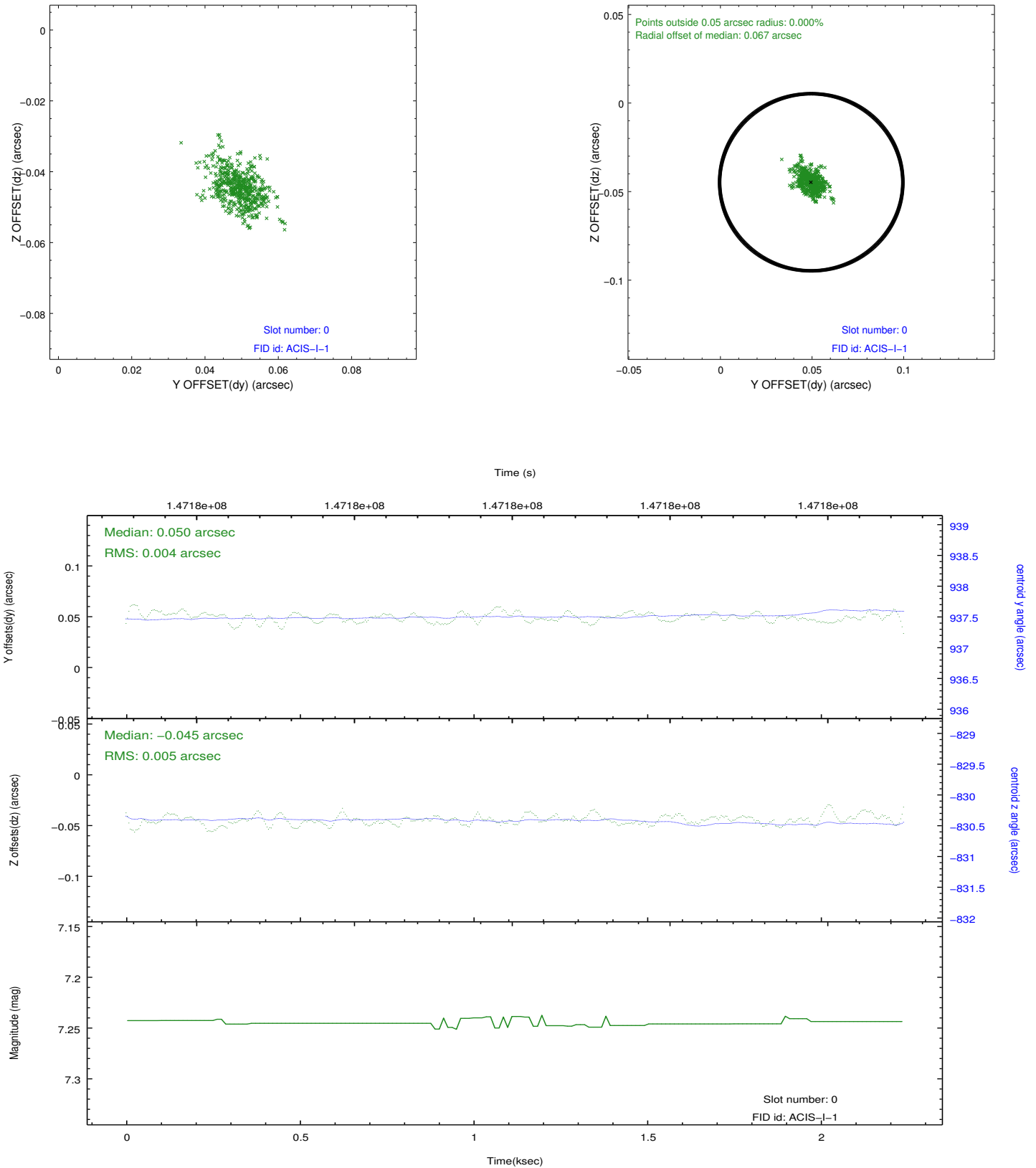


2.4.5 Slot 7

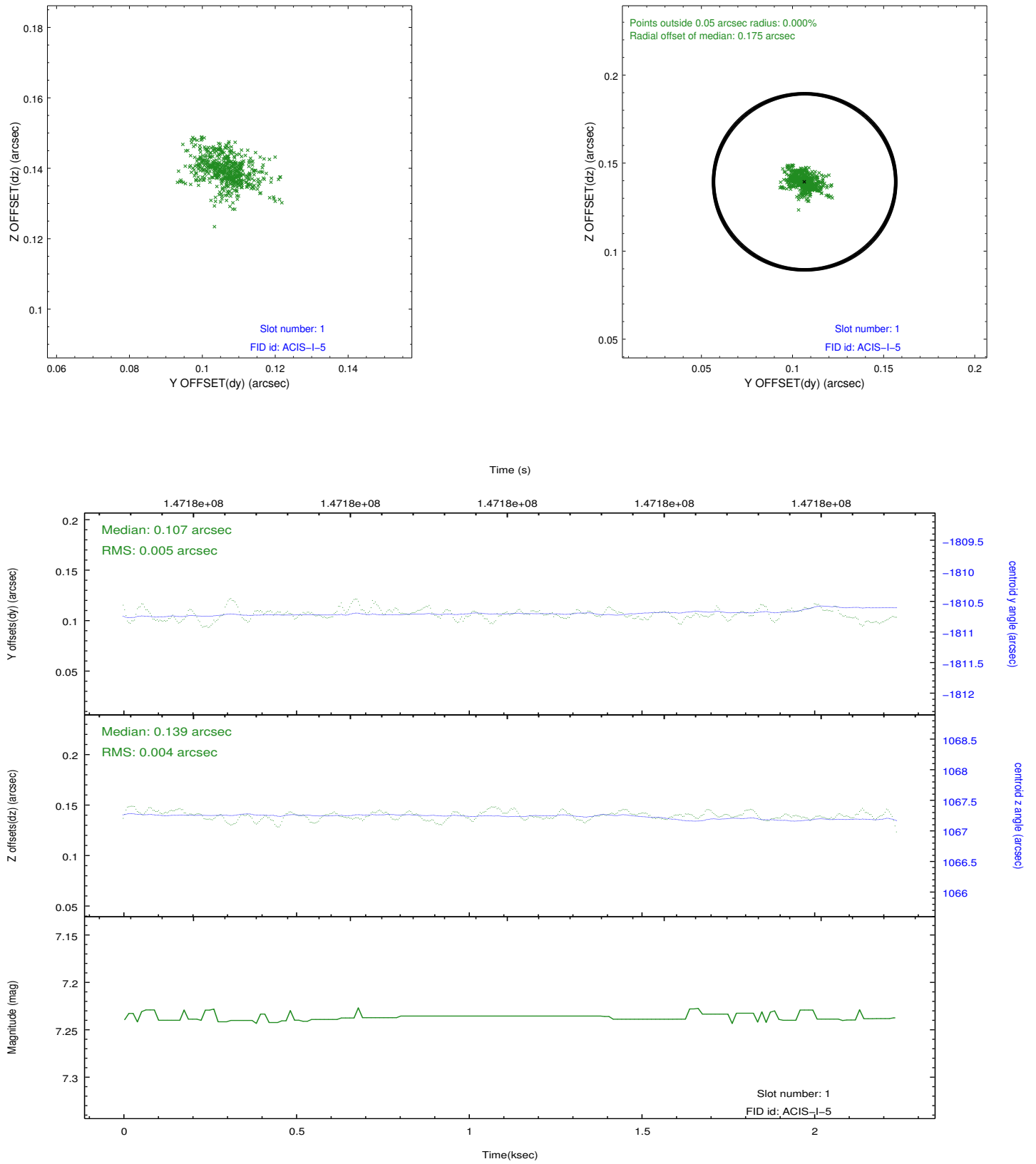


2.5 FID Slots

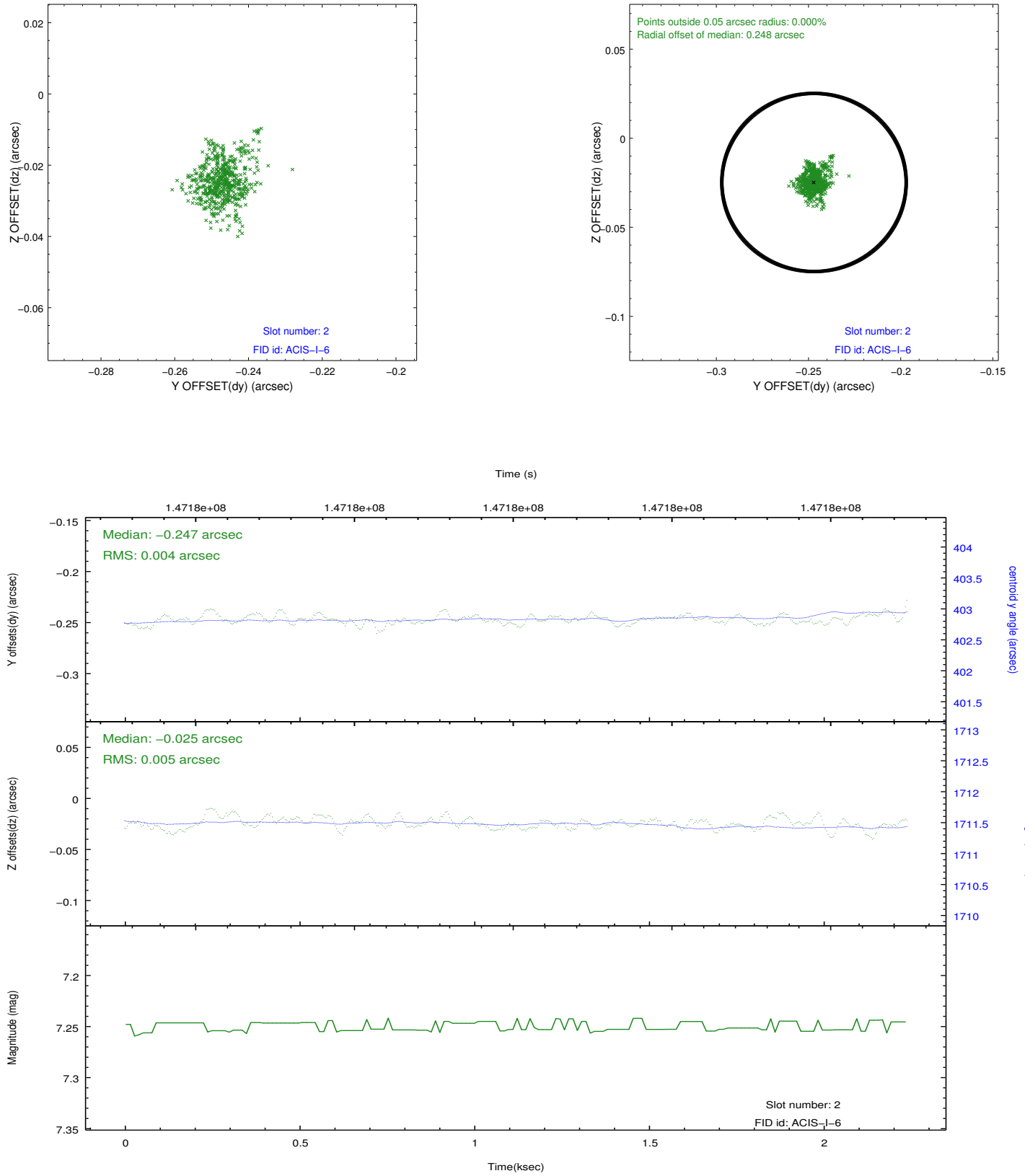
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.462

A.2 Comments

Charge time for this observation remains at previous value of 1.462 ksec.

The high count rate resulted in telemetry saturation and a large number of dropped exposures. The ONTIME value reflects the lost exposure time. Window preference met.