

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3696 - L2 Version 3
Chandra X-Ray Center

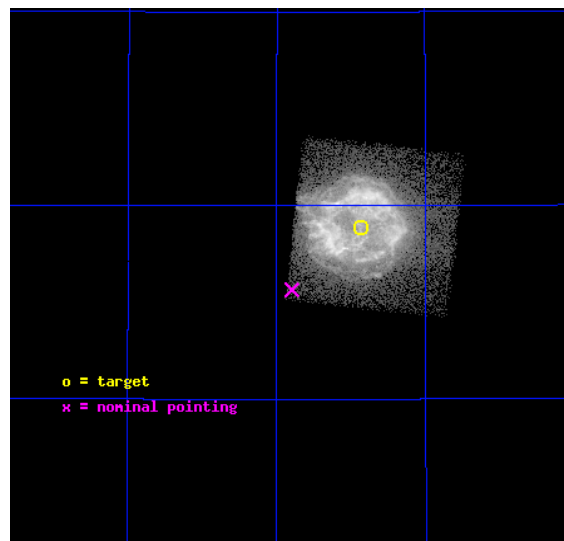
L2 Processing Date : Oct 24 2012

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1 Front

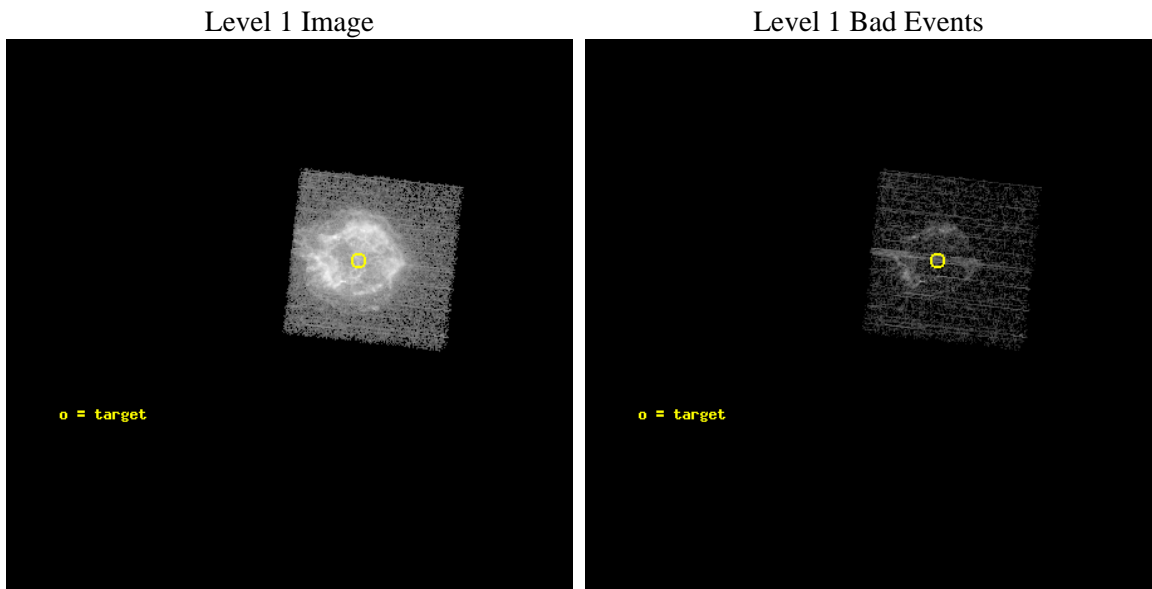
seq_num	590308	Sequence number
obs_id	3696	Observation id
title	AO4A OBSERVATIONS OF THE STANDARD CANDLES CAS A AND G21.5-09	Propo
observer	Dr. CXC Calibration	Principal investigator
object	CAS A[I3,-120,-3.0,3.5,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.97468615275	Nominal RA [deg]
dec_nom	58.760811399315	Nominal Dec [deg]
roll_nom	6.3845551981677	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1687.659925431	Sum of GTIs [s]
livetime	1666.2897592684	Livetime [s]
ontime0	2297.5999914408	Sum of GTIs [s]
ontime1	2297.5999914408	Sum of GTIs [s]
ontime2	2297.5999914408	Sum of GTIs [s]
ontime3	1687.659925431	Sum of GTIs [s]
ontime6	2297.5999914408	Sum of GTIs [s]
ontime7	2297.5999914408	Sum of GTIs [s]
l2events	360564	Number of level 2 events



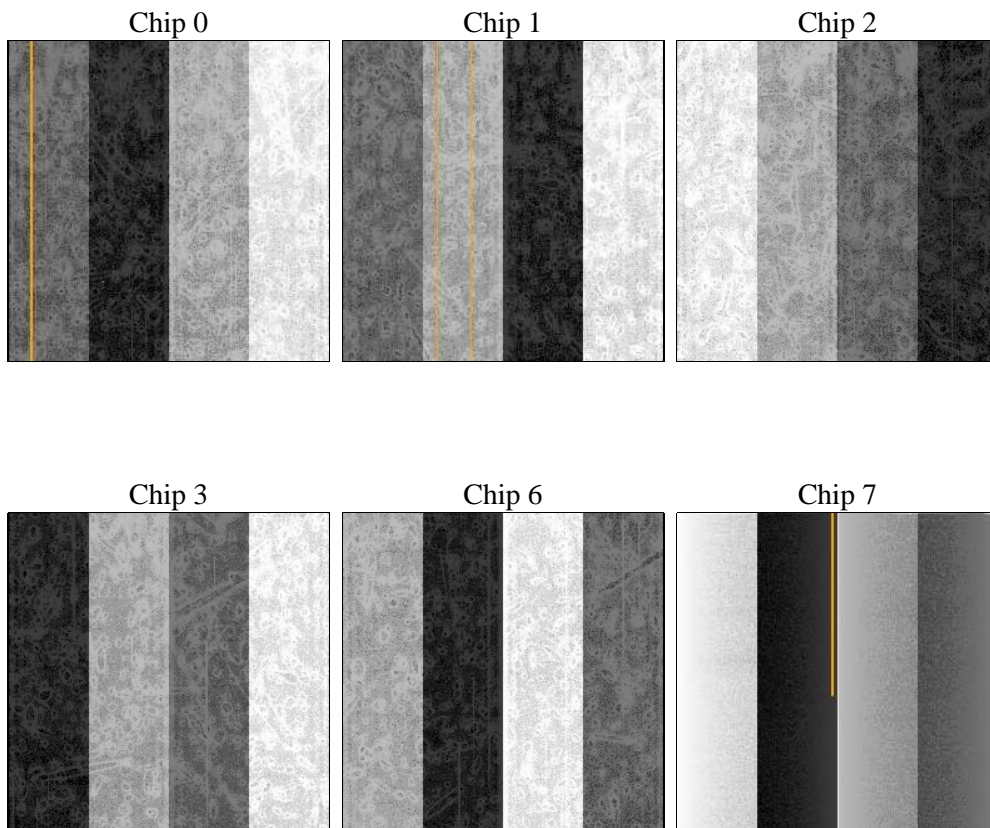
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2119.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1687.659925431	Sum of GTIs [s]
caldbver	4.5.2	 	ontime0	2297.5999914408	Sum of GTIs [s]
date	2012-10-24T18:22:58	Date and time of file creation	ontime1	2297.5999914408	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2297.5999914408	Sum of GTIs [s]
			ontime3	1687.659925431	Sum of GTIs [s]
			ontime6	2297.5999914408	Sum of GTIs [s]
			ontime7	2297.5999914408	Sum of GTIs [s]
			l1events	443944	Number of level 1 events

2.1.4 Events

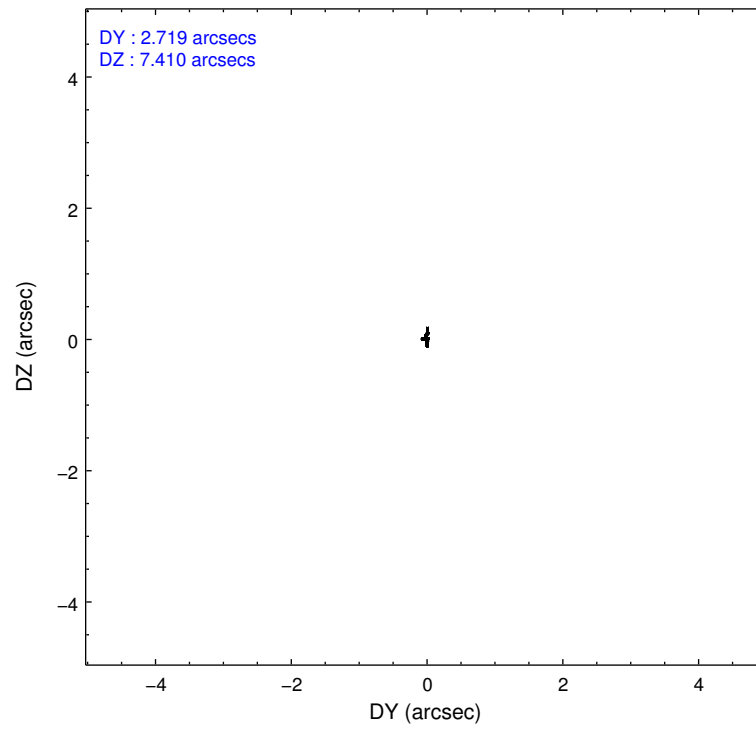
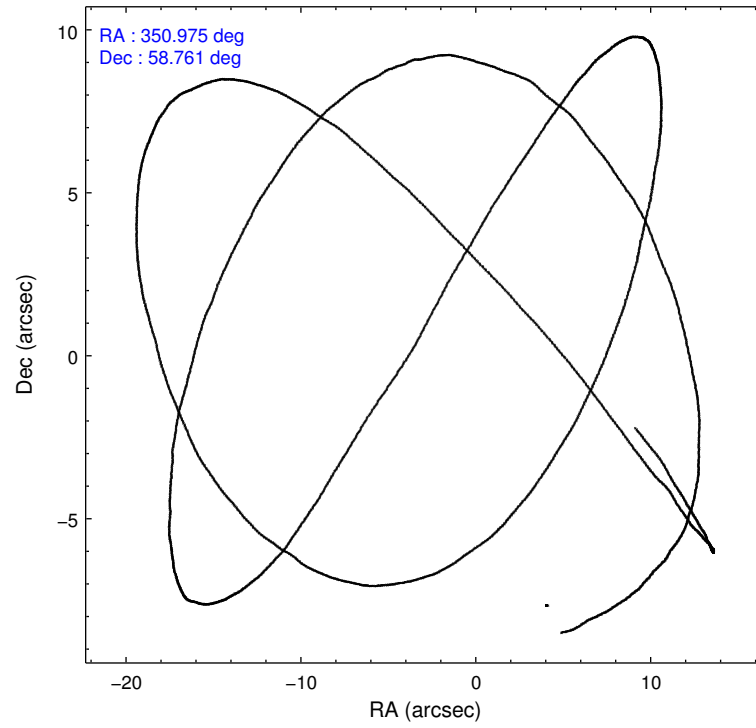
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	0	0	0	443944	0	0
rejected events	0	0	0	72140	0	0
rejected %	0%	0%	0%	16%	0%	0%

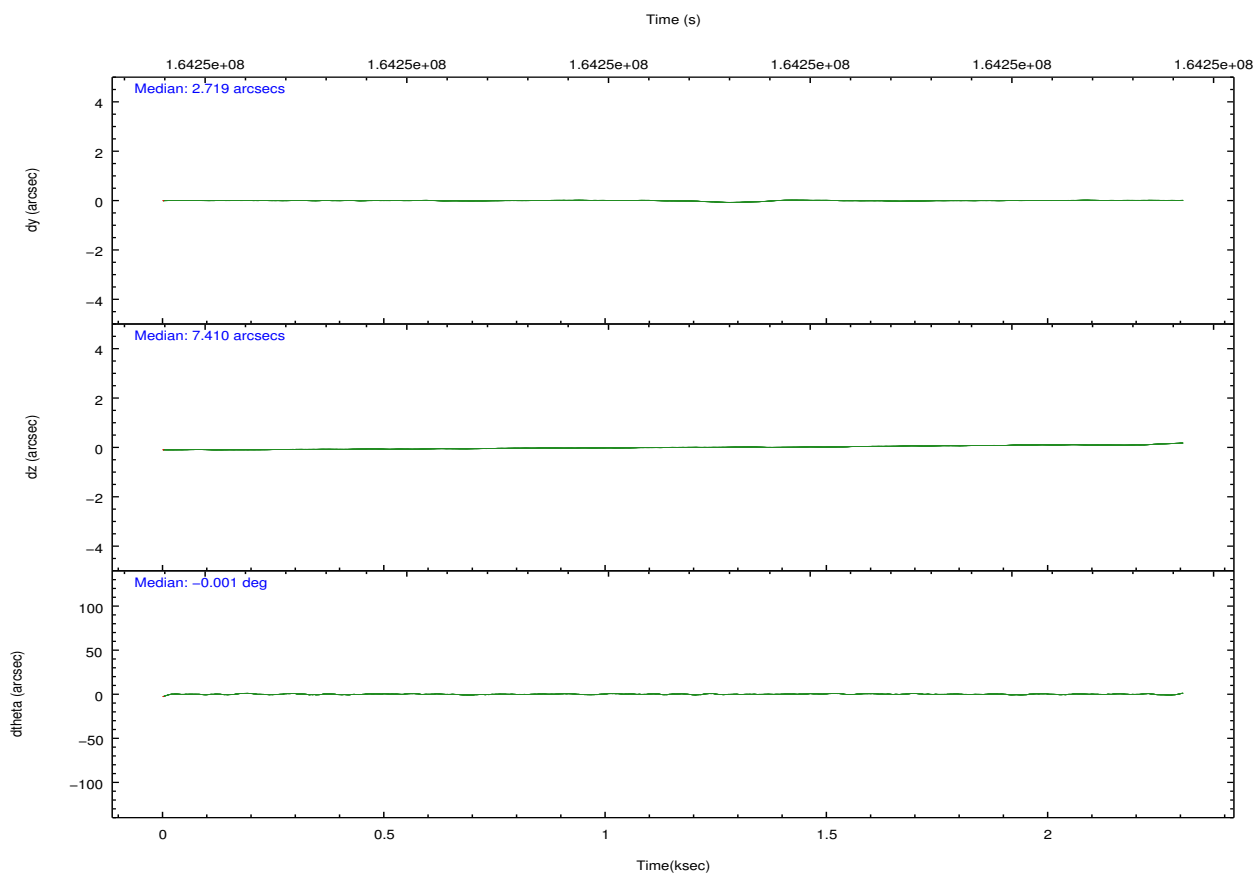
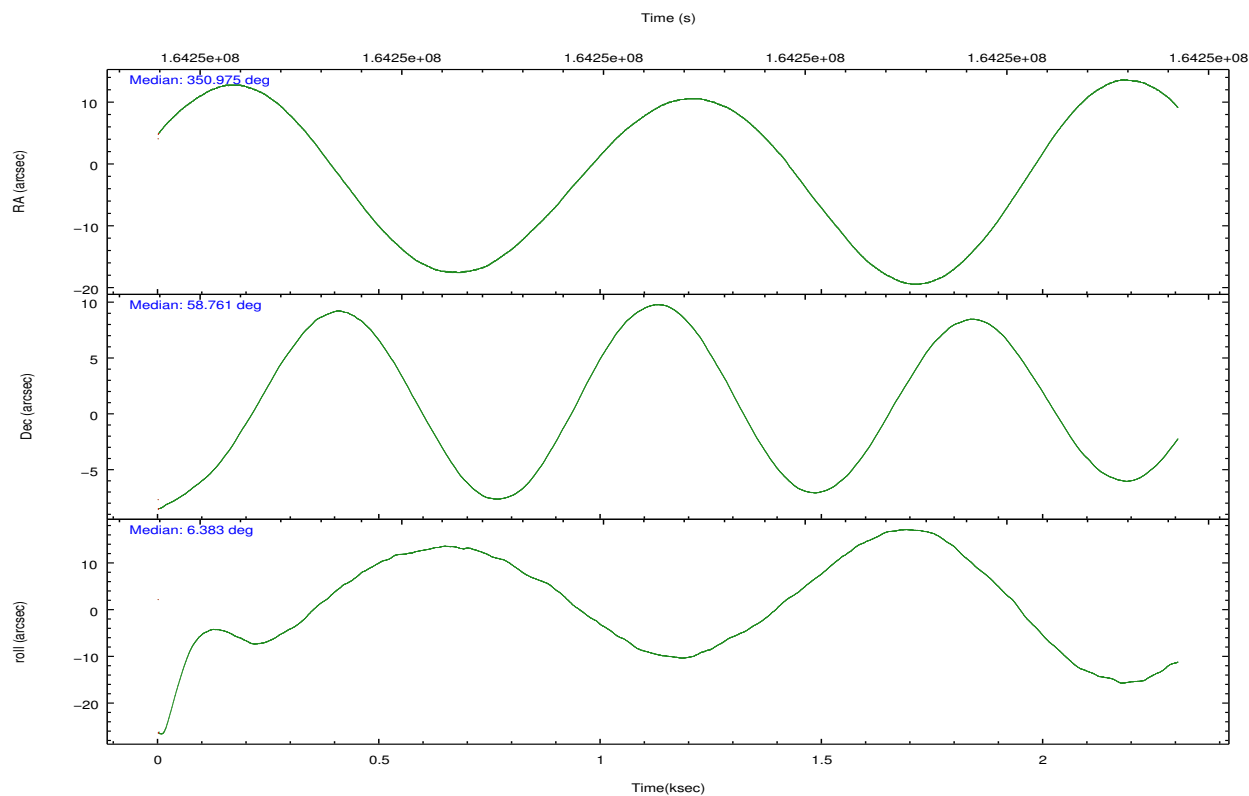
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	0	0	312279	0	0
	0%	0%	0%	70%	0%	0%
grade 1 events	0	0	0	5008	0	0
	0%	0%	0%	1%	0%	0%
grade 2 events	0	0	0	38996	0	0
	0%	0%	0%	8%	0%	0%
grade 3 events	0	0	0	12482	0	0
	0%	0%	0%	2%	0%	0%
grade 4 events	0	0	0	12508	0	0
	0%	0%	0%	2%	0%	0%
grade 5 events	0	0	0	3252	0	0
	0%	0%	0%	0%	0%	0%
grade 6 events	0	0	0	8287	0	0
	0%	0%	0%	1%	0%	0%
grade 7 events	0	0	0	51132	0	0
	0%	0%	0%	11%	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	350.931846	350.9746861527512	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.744617	58.76081139931463	Alternating exposures requested	N	N
[deg] Pointing Roll	6.212657	6.384555198167658	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	164073664.184000	164073664.184000			
[s] Window stop time (MET)	168134464.184000	168134464.184000			
[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)	164251194.184000	164250094.28938			
Observation start date	2003-03-17T01:18:50	2003-03-17T01:01:34			
[s] Observation end time (MET)	164253313.184000	164253463.46452			
Observation end date	2003-03-17T01:54:09	2003-03-17T01:57:43			
Read mode	TIMED	TIMED			

2.3 Aspect



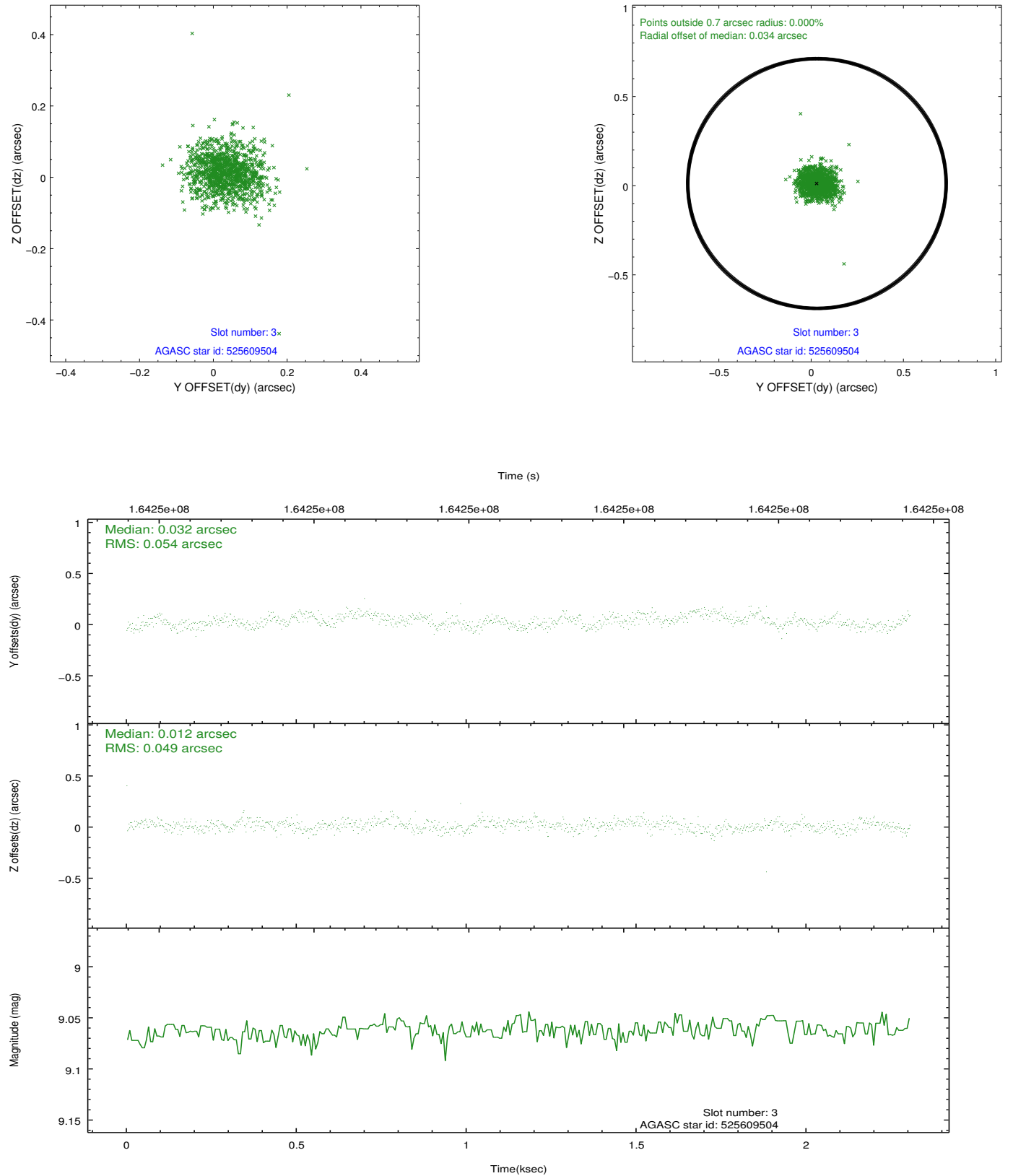


Slot Statistics

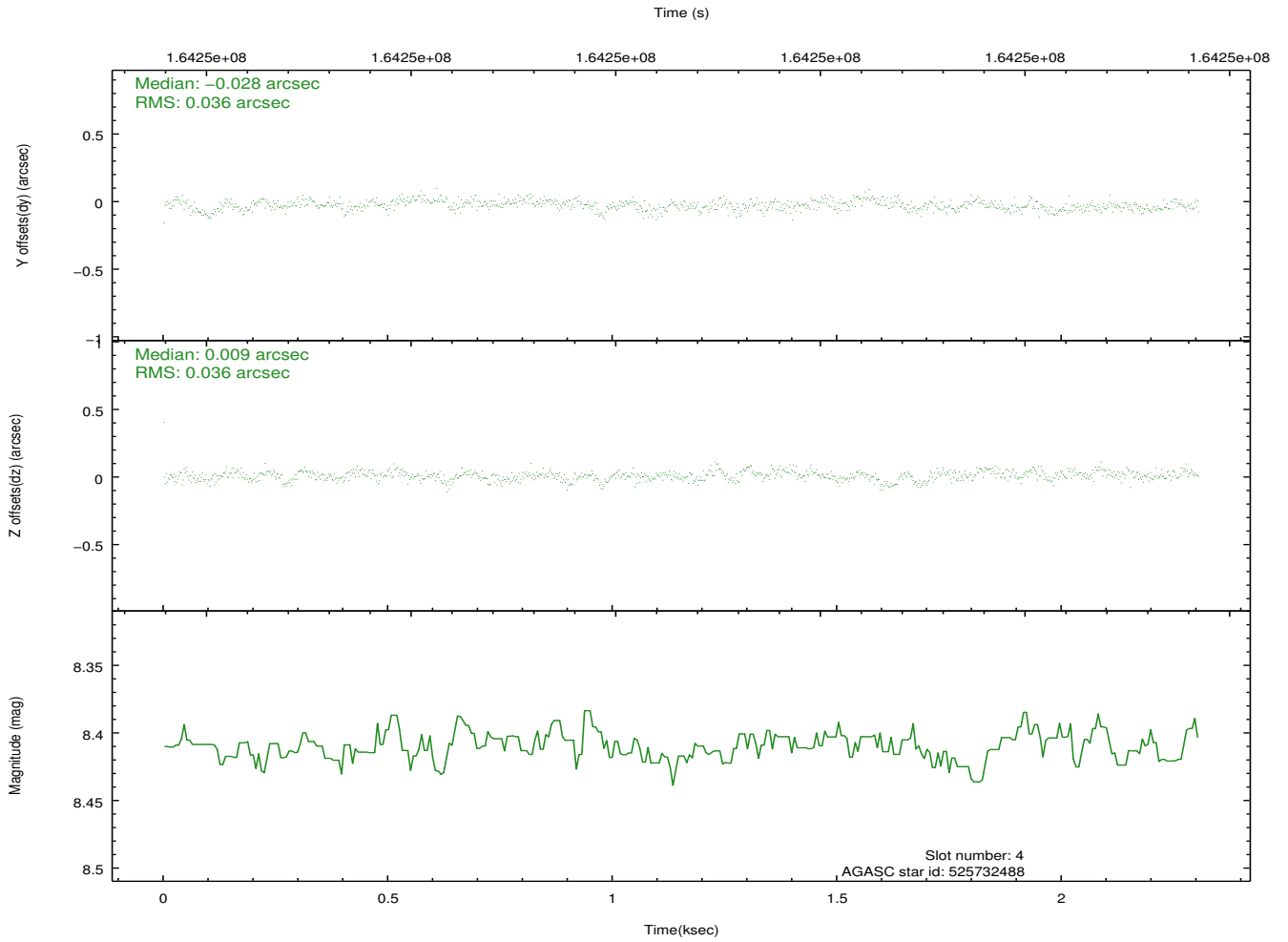
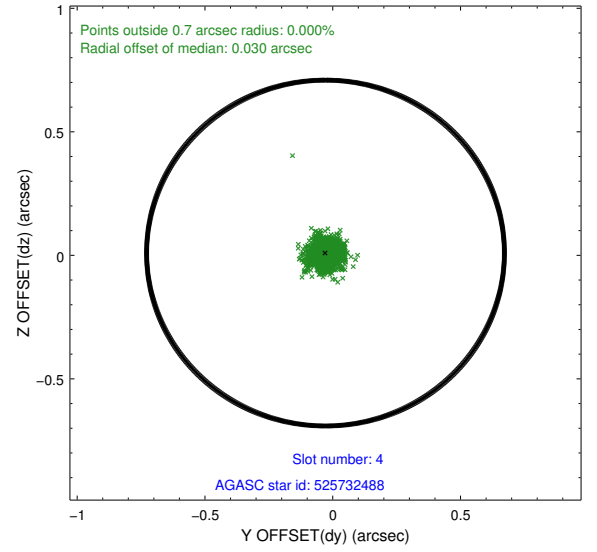
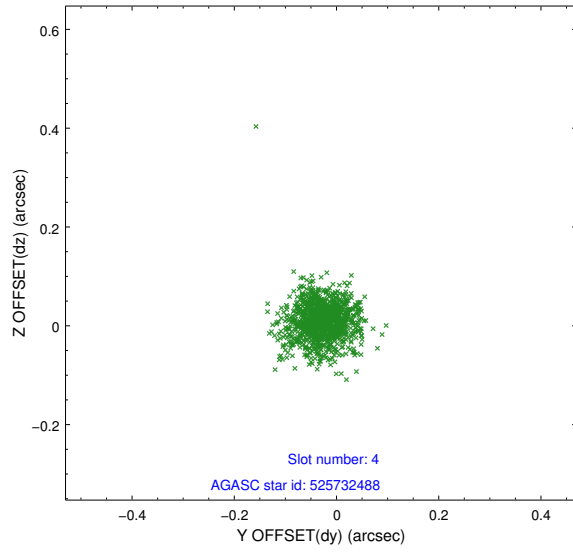
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	563	0.015	0.013	0.007	0.011	0.000000	0.000000	937.08	-830.82
1	FID	ACIS-I-5	7.24	562	-0.089	0.057	0.006	0.009	0.000000	0.000000	-1809.51	1065.36
2	FID	ACIS-I-6	7.26	562	-0.017	0.001	0.006	0.010	0.000000	0.000000	399.59	1712.97
3	GUIDE	525609504	9.06	1125	0.032	0.012	0.076	0.118	349.896632	58.356658	-2093.98	-1161.20
4	GUIDE	525732488	8.41	1125	-0.028	0.009	0.052	0.087	350.087090	58.516915	-1669.09	-633.43
5	GUIDE	525735976	8.84	1125	-0.042	-0.052	0.068	0.107	350.142956	58.277622	-1667.80	-1500.95
6	GUIDE	525732896	9.69	1125	-0.015	-0.017	0.118	0.185	351.456486	59.410070	1212.82	2280.76
7	GUIDE	525732528	9.36	1123	0.051	0.043	0.102	0.160	351.607241	59.298932	1451.02	1858.61

2.4 Star Slots

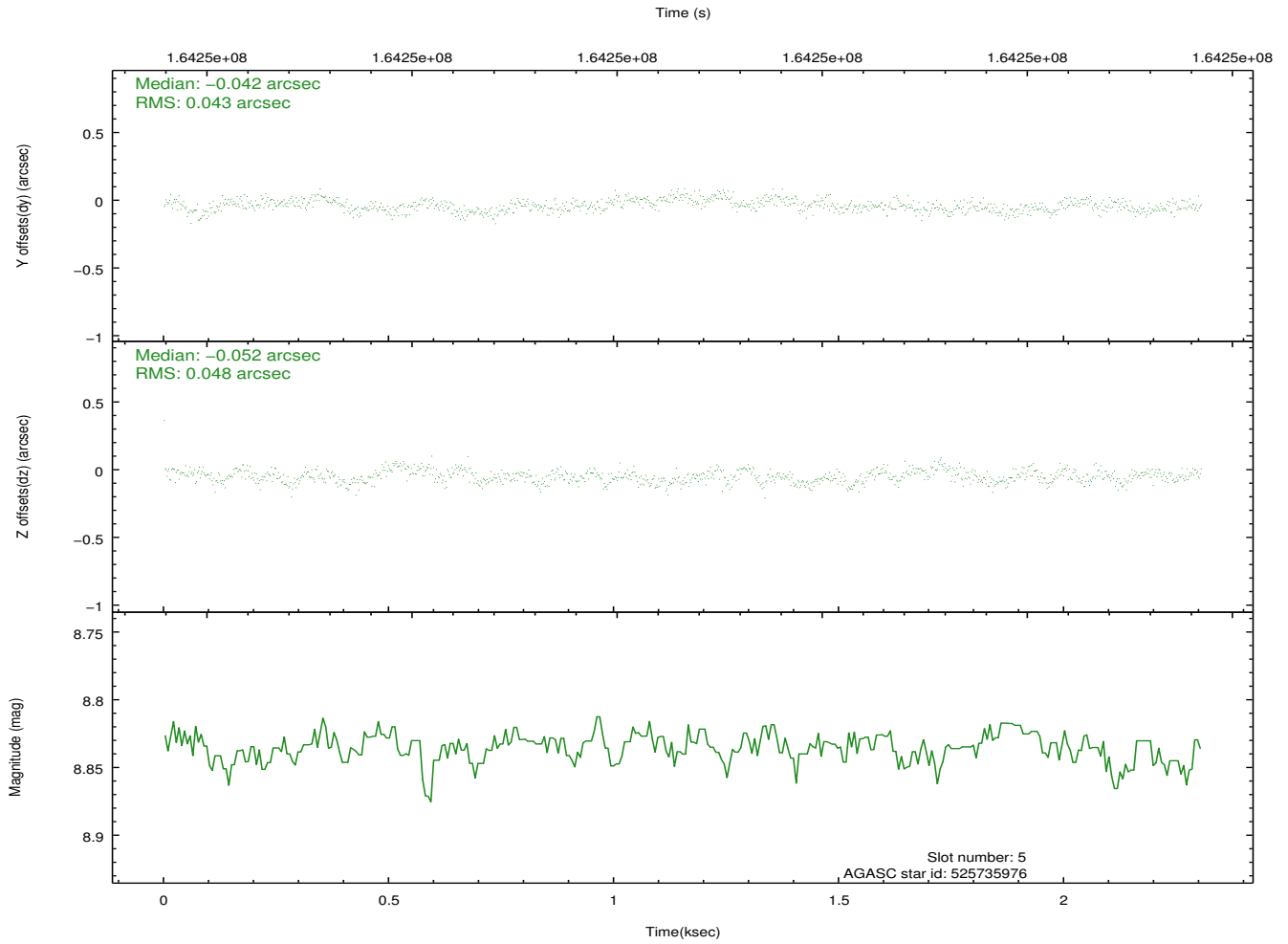
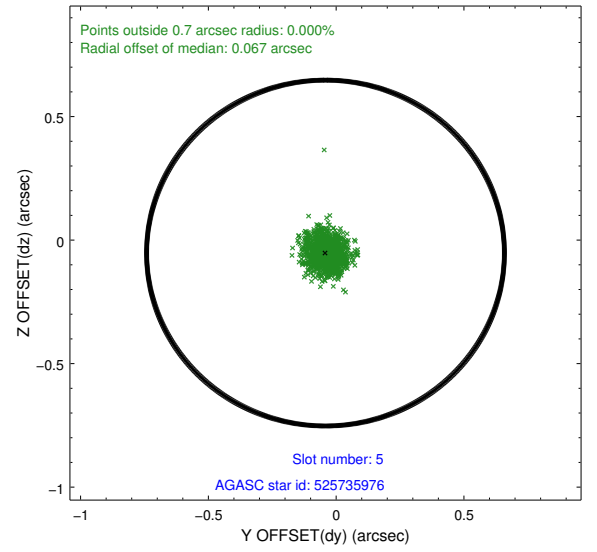
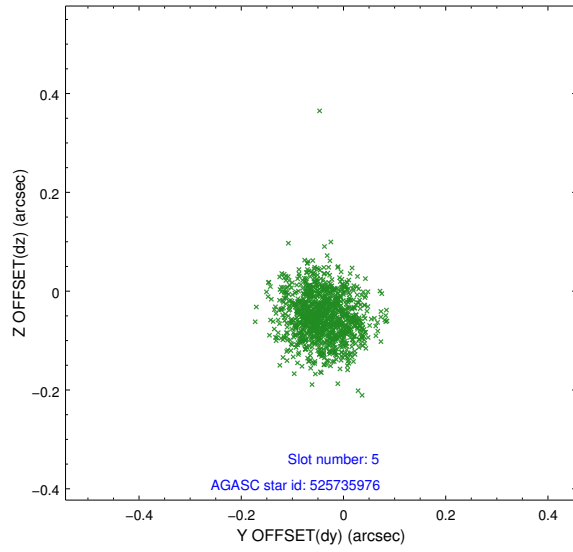
2.4.1 Slot 3



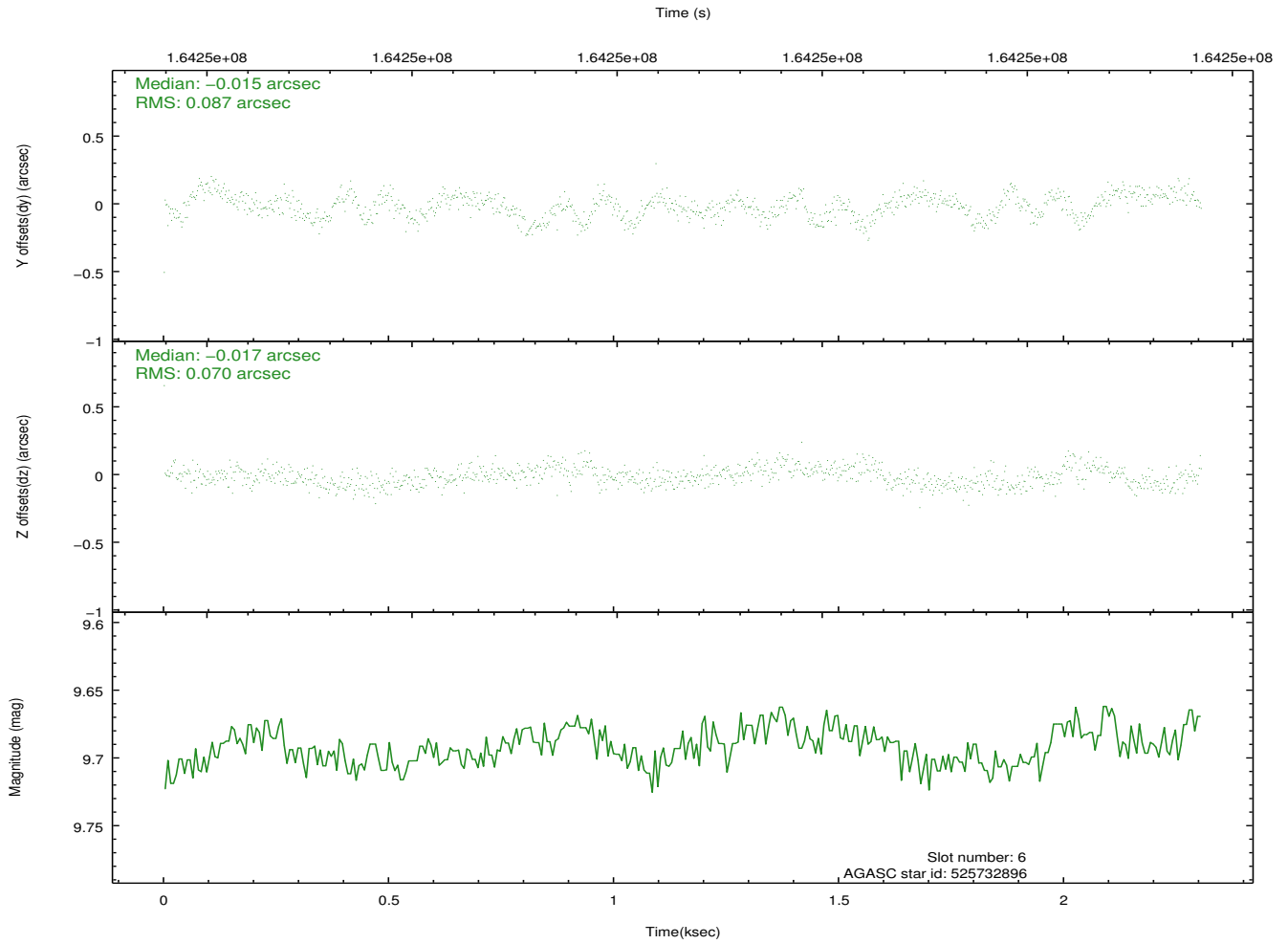
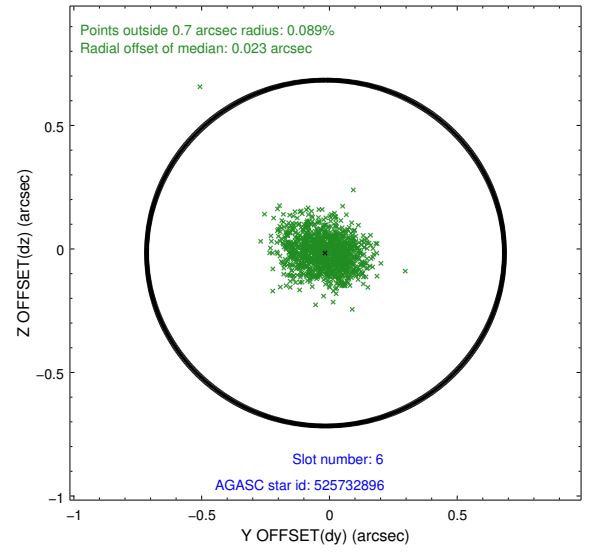
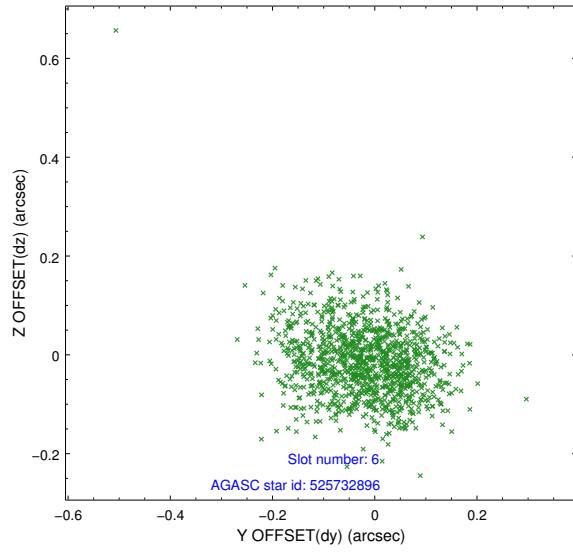
2.4.2 Slot 4



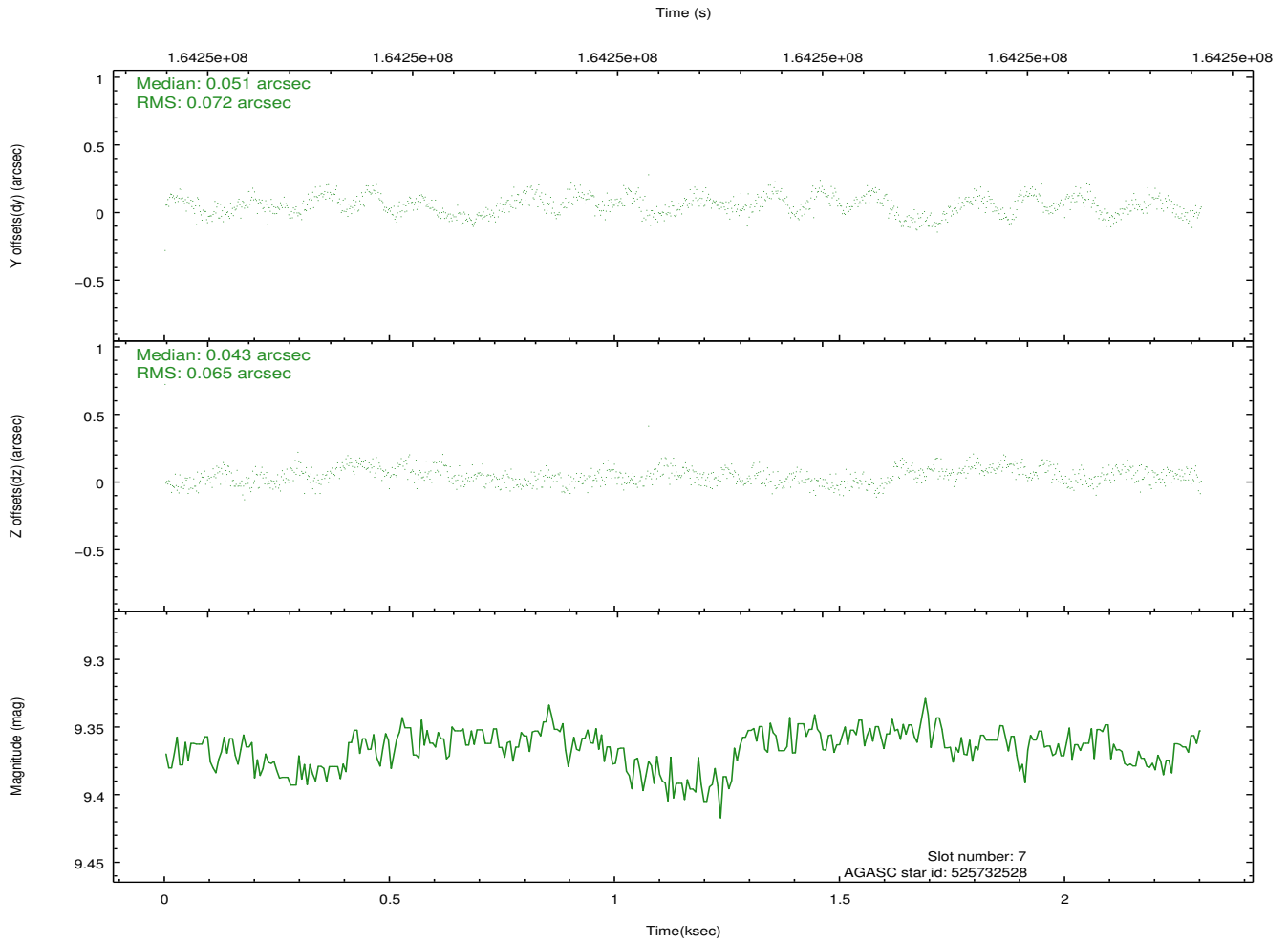
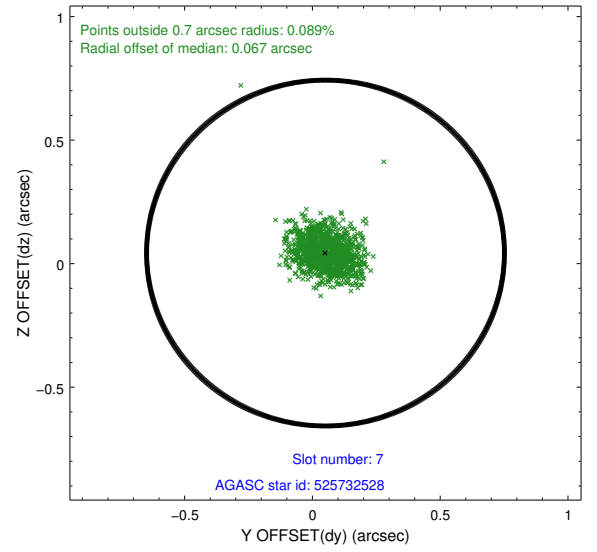
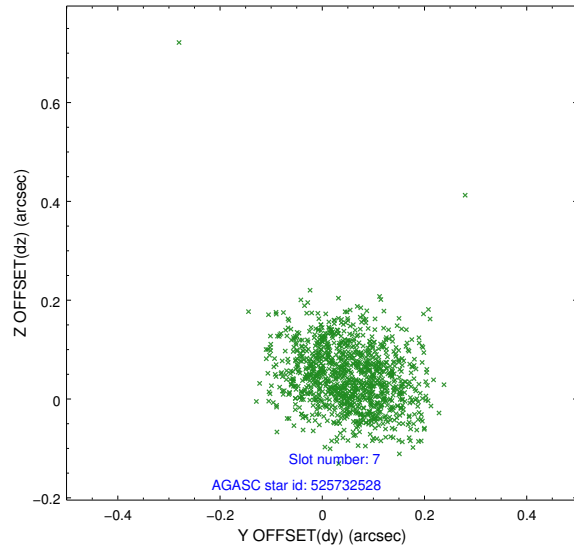
2.4.3 Slot 5



2.4.4 Slot 6

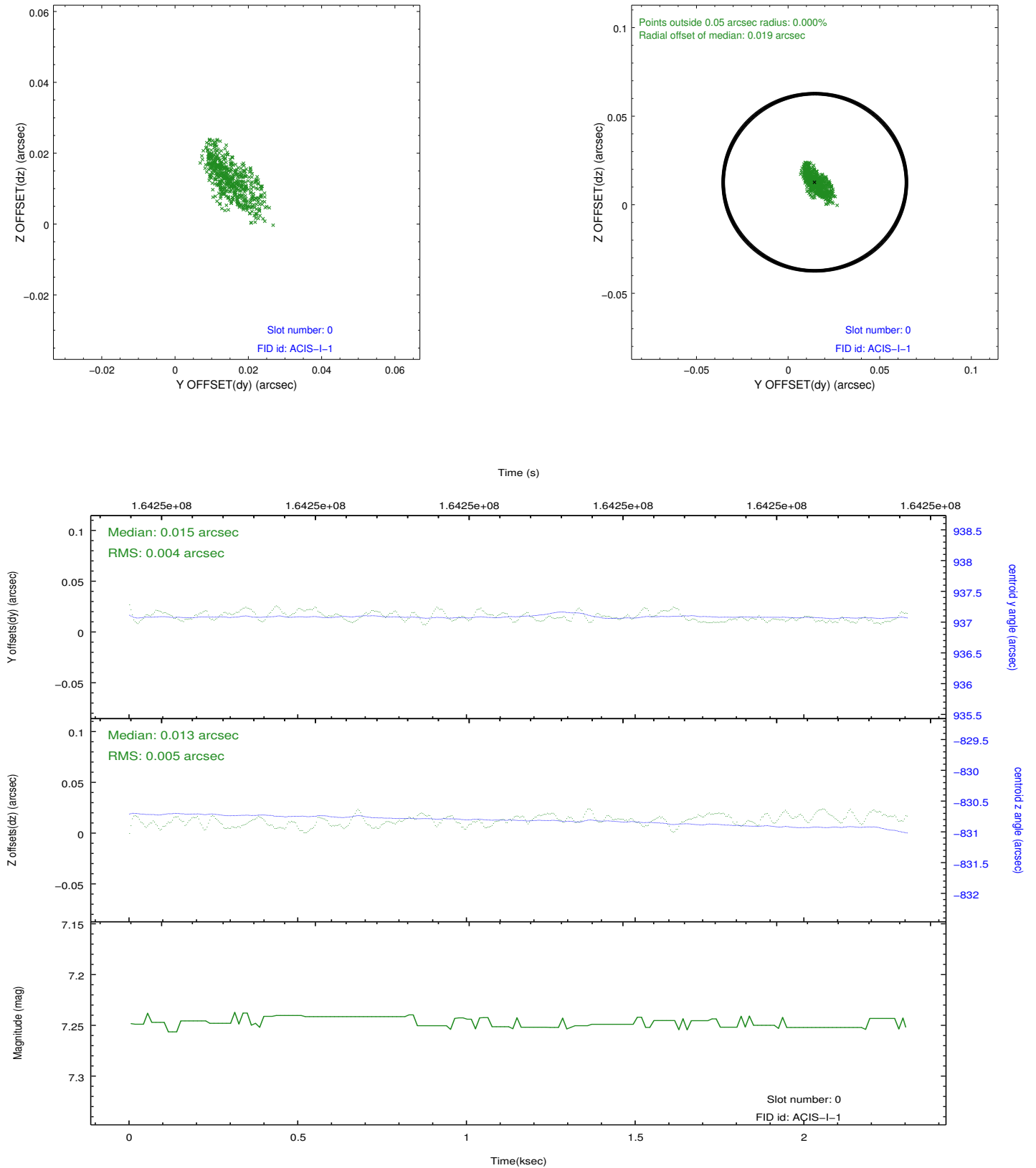


2.4.5 Slot 7

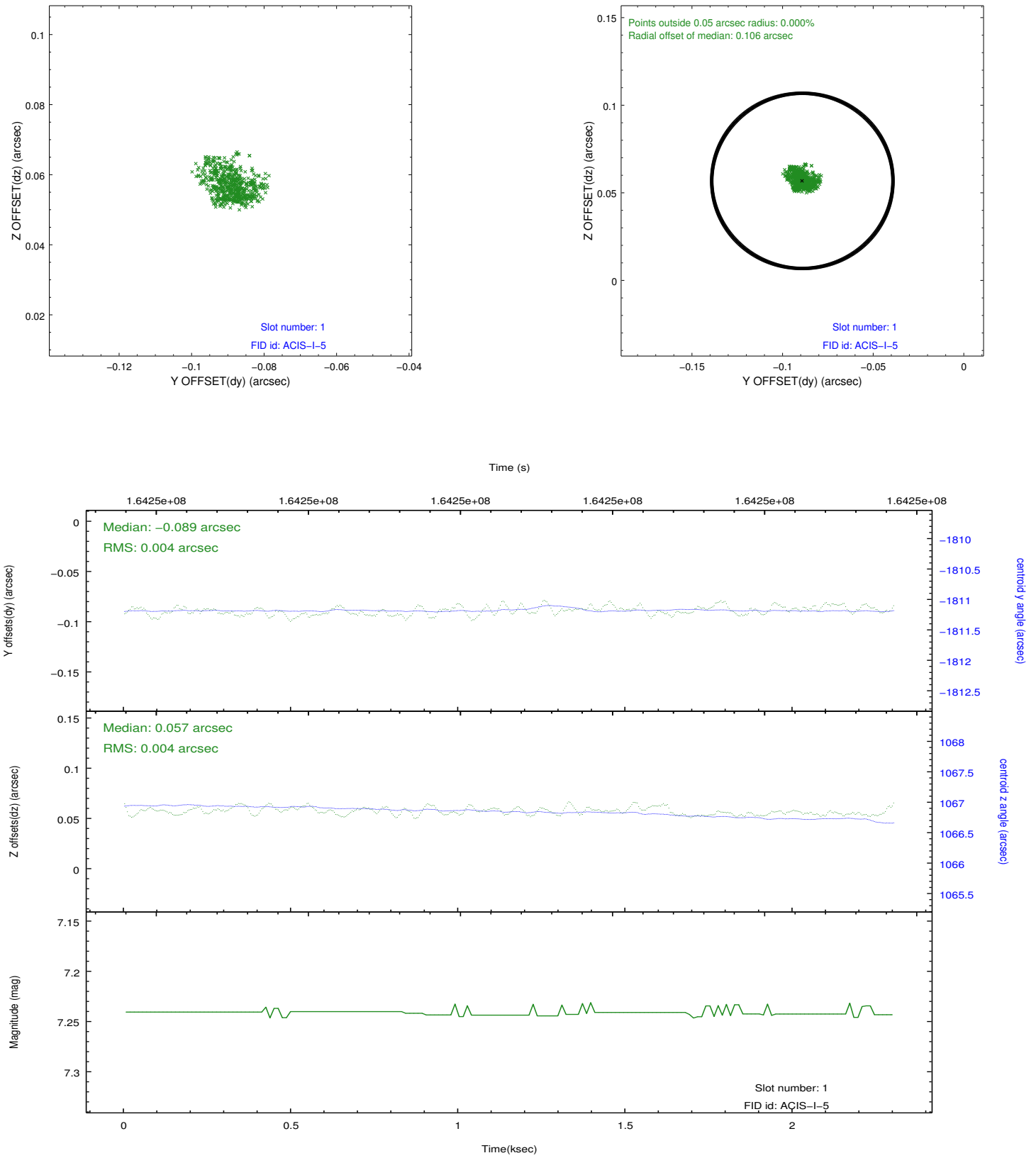


2.5 FID Slots

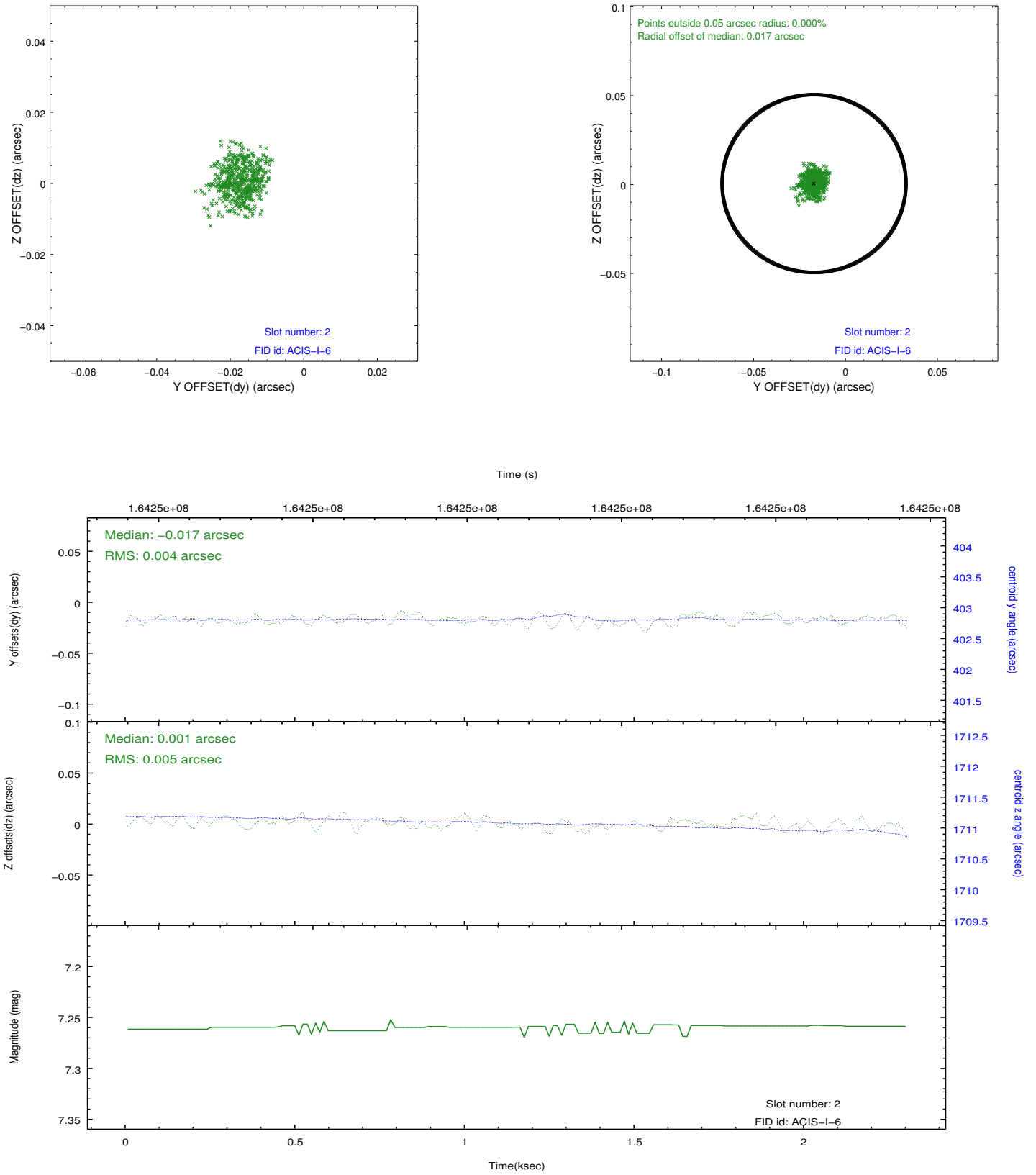
2.5.1 Slot 0



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)	2012.11.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.7

A.2 Comments

Charge time for this ObsId remains at previous value of 1.7 ks although with the current processing the charge time would have been 1.69 ksec. Window constraint satisfied.