

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9699 - L2 Version 2
Chandra X-Ray Center

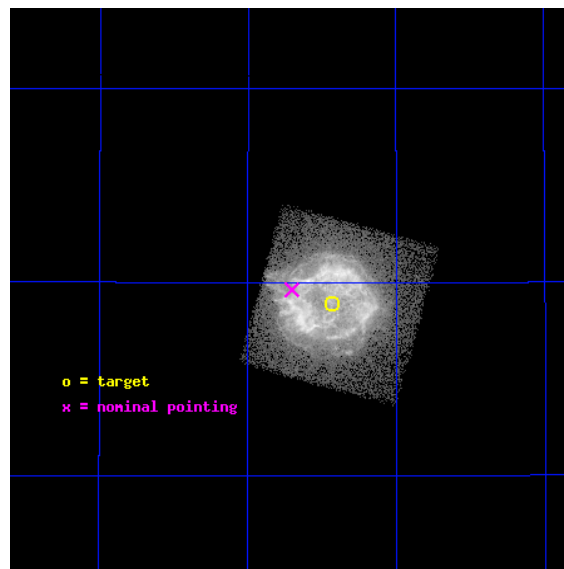
L2 Processing Date : May 11 2012

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1 Front

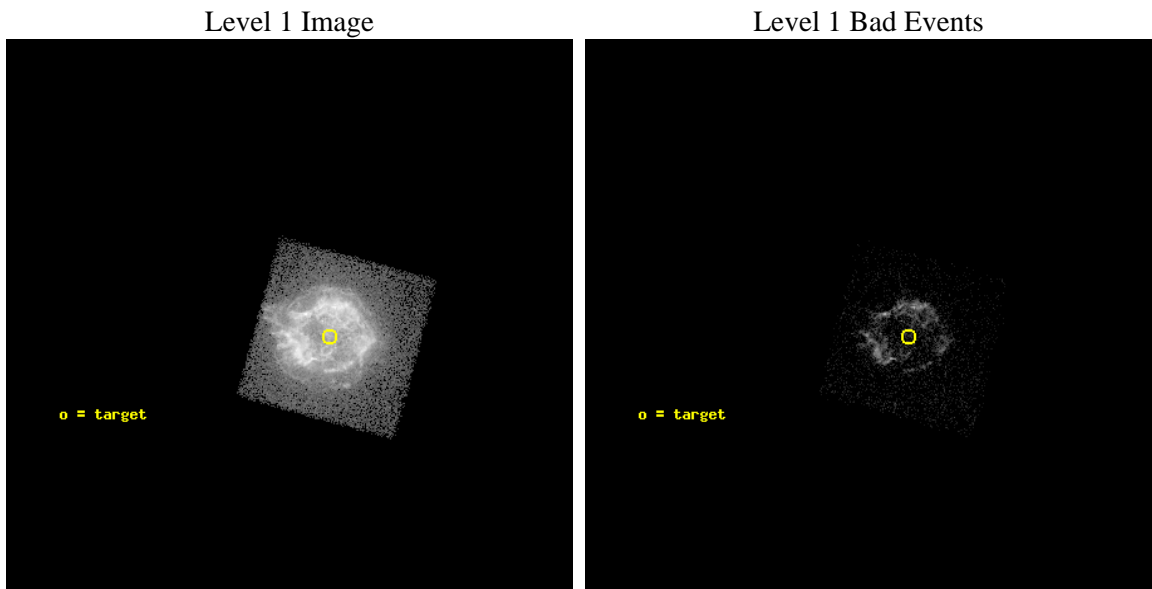
seq_num	590477	Sequence number
obs_id	9699	Observation id
title	AO9 Observations of the Standard Candles Cas A and G21.5-09.	Propo
observer	Dr. CXC Calibration	Principal investigator
object	Cas A[S3,-120,-2.0,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.92599080218	Nominal RA [deg]
dec_nom	58.827163979564	Nominal Dec [deg]
roll_nom	15.334574220007	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1259.6559631228	Sum of GTIs [s]
livetime	1243.1976306194	Livetime [s]
ontime5	2129.7000163794	Sum of GTIs [s]
ontime6	1997.7799224854	Sum of GTIs [s]
ontime7	1259.6559631228	Sum of GTIs [s]
ontime8	2117.1361851692	Sum of GTIs [s]
l2events	369183	Number of level 2 events



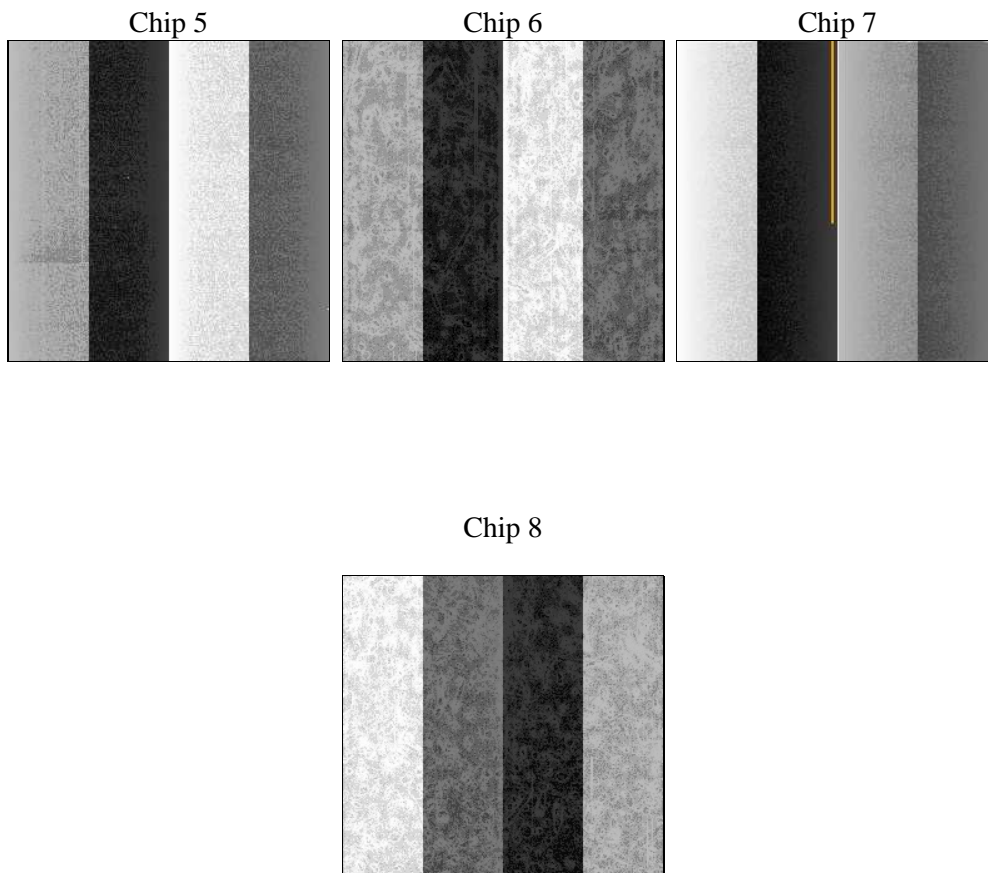
2 OBI

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	8.4.4	Processing system revision	ontime	1259.6559631228	Sum of GTIs [s]
caldbver	4.4.9	 	ontime5	2129.7000163794	Sum of GTIs [s]
date	2012-05-12T00:07:22	Date and time of file creation	ontime6	1997.7799224854	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	1259.6559631228	Sum of GTIs [s]
			ontime8	2117.1361851692	Sum of GTIs [s]
			l1events	462473	Number of level 1 events

2.1.4 Events

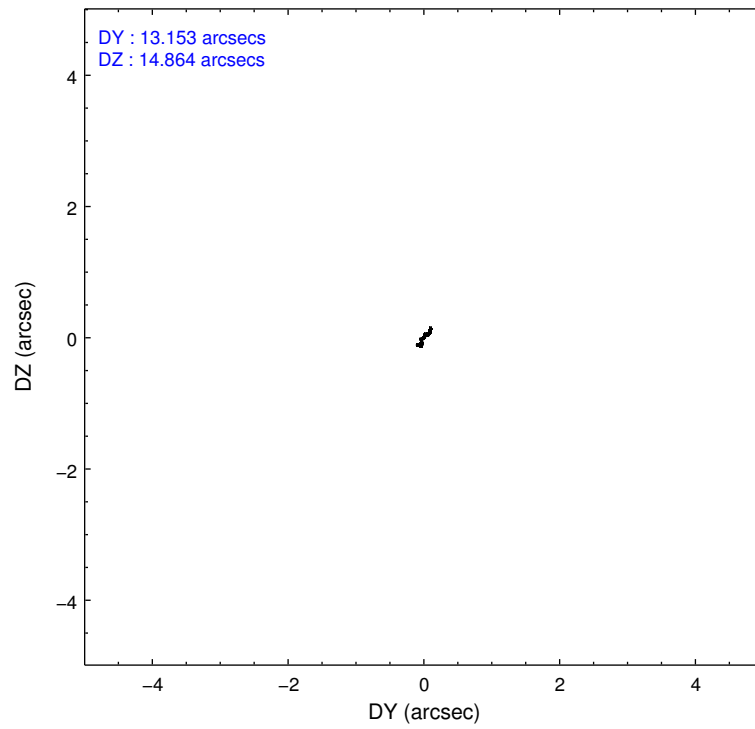
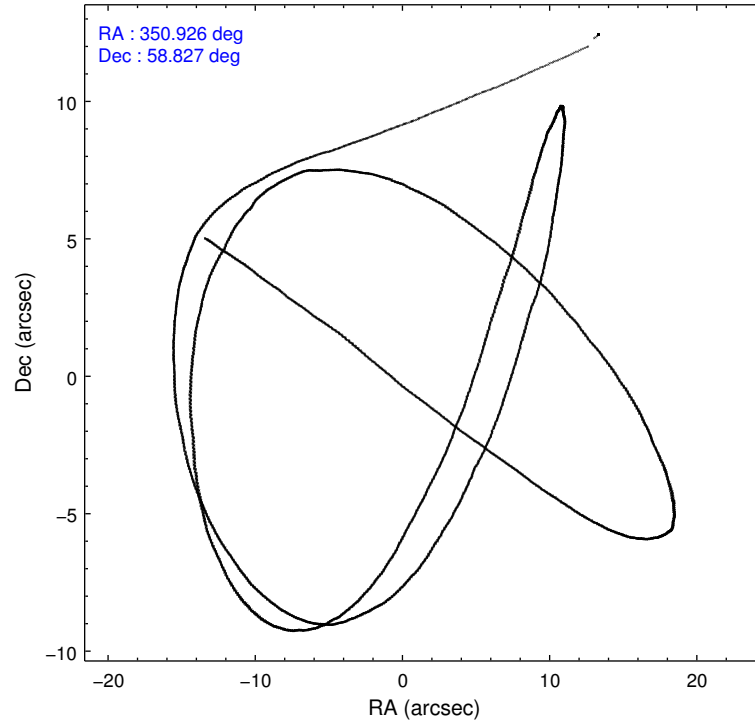
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	0	0	462473	0
rejected events	0	0	89588	0
rejected %	0%	0%	19%	0%

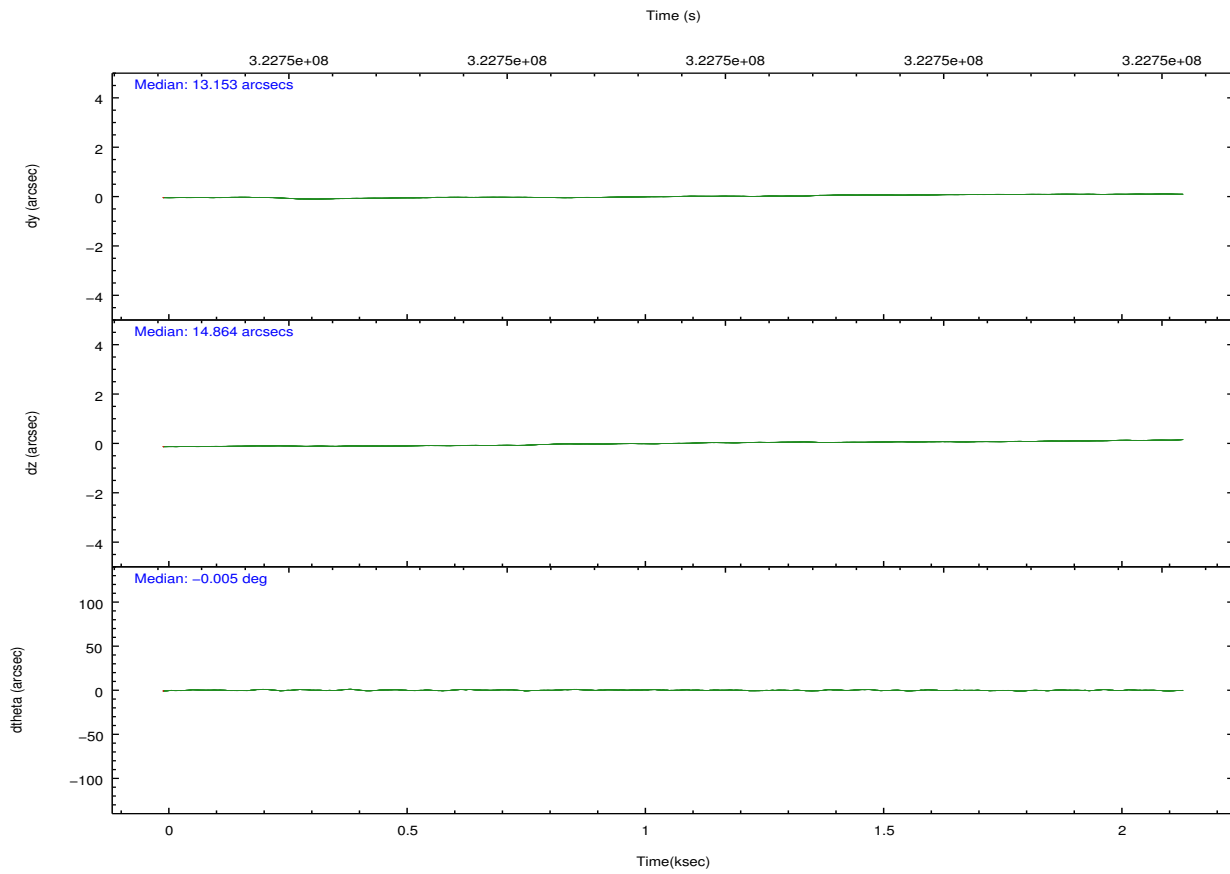
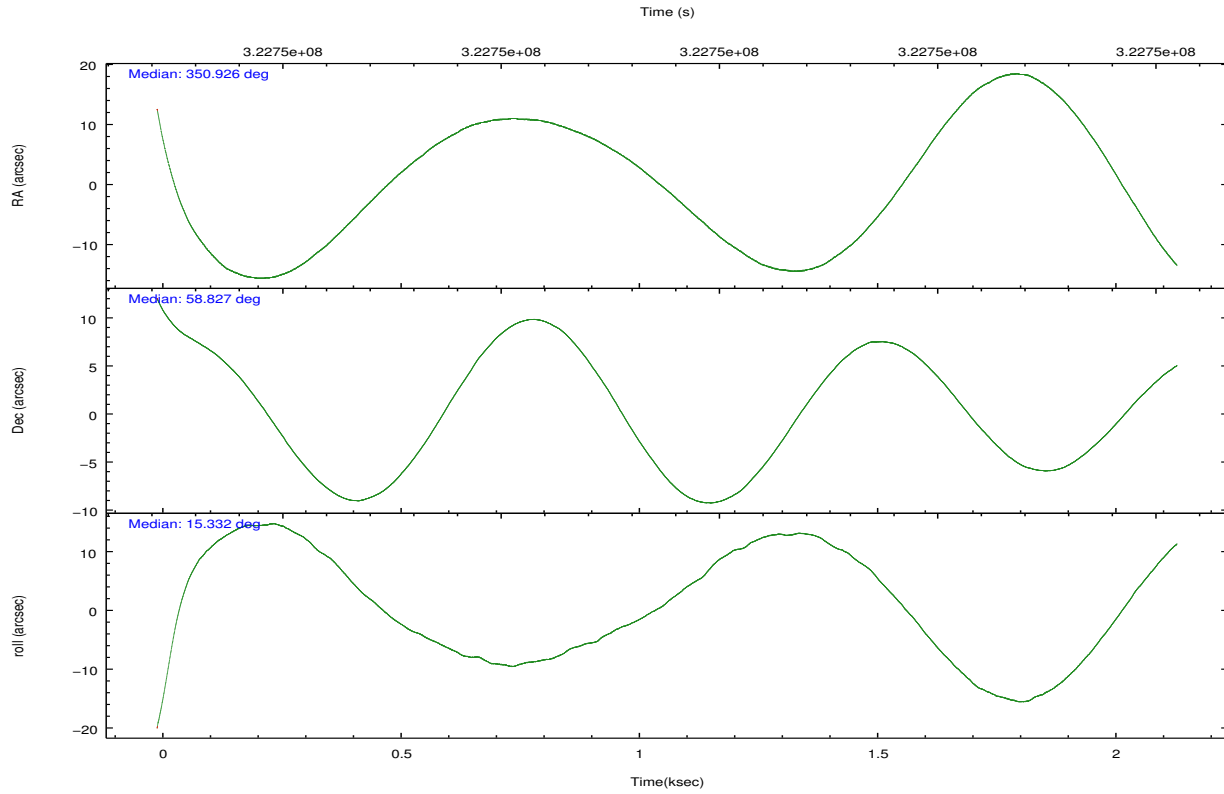
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	0	0	107868	0
	0%	0%	23%	0%
grade 1 events	0	0	2129	0
	0%	0%	0%	0%
grade 2 events	0	0	114572	0
	0%	0%	24%	0%
grade 3 events	0	0	50503	0
	0%	0%	10%	0%
grade 4 events	0	0	50142	0
	0%	0%	10%	0%
grade 5 events	0	0	9259	0
	0%	0%	2%	0%
grade 6 events	0	0	108008	0
	0%	0%	23%	0%
grade 7 events	0	0	19992	0
	0%	0%	4%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	350.889418	350.9259908021756	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.807415	58.82716397956434	Alternating exposures requested	N	N
[deg] Pointing Roll	15.209306	15.33457422000697	[s] Primary exposure time	0.000000	3.1
[s] Window start time (MET)	318211265.184000	318211265.184000			
[s] Window stop time (MET)	328579265.184000	328579265.184000			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	322747936.184000	322746565.45298			
Observation start date	2008-03-24T12:11:11	2008-03-24T11:49:25			
[s] Observation end time (MET)	322749936.184000	322750070.95315			
Observation end date	2008-03-24T12:44:31	2008-03-24T12:47:50			
Read mode	TIMED	TIMED			

2.3 Aspect



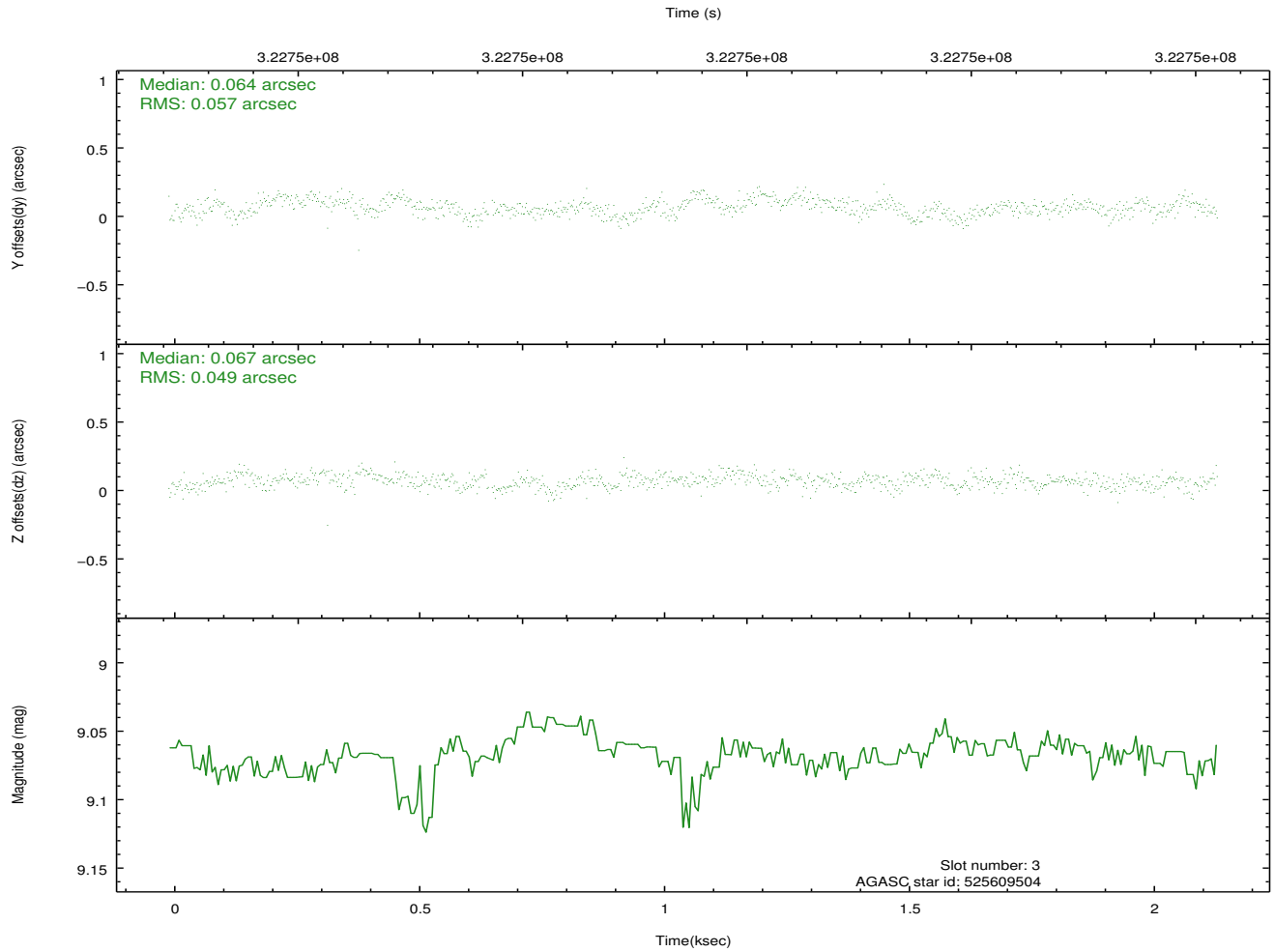
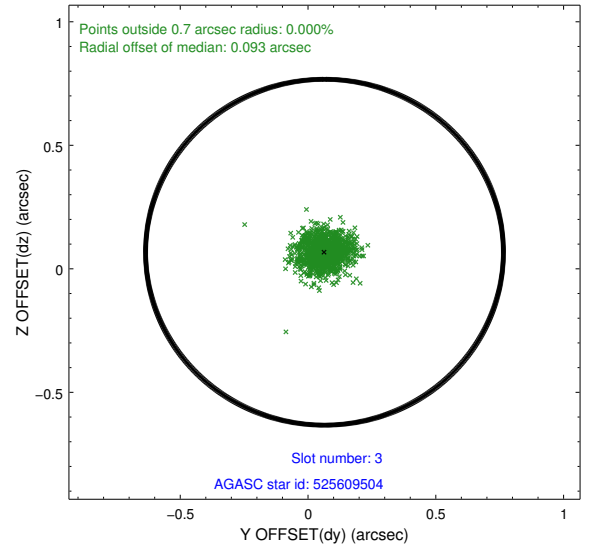
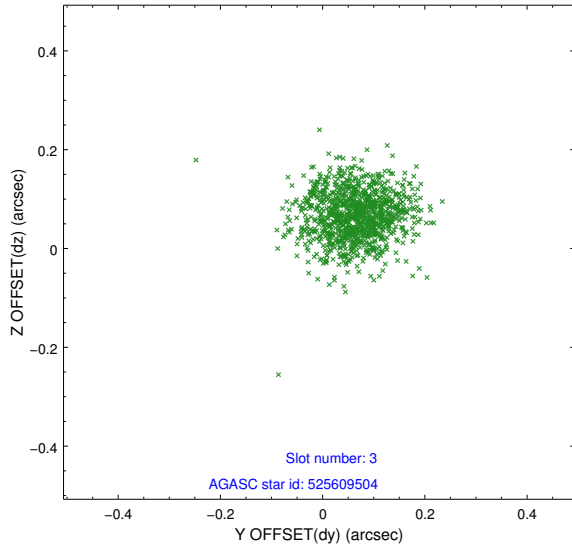


Slot Statistics

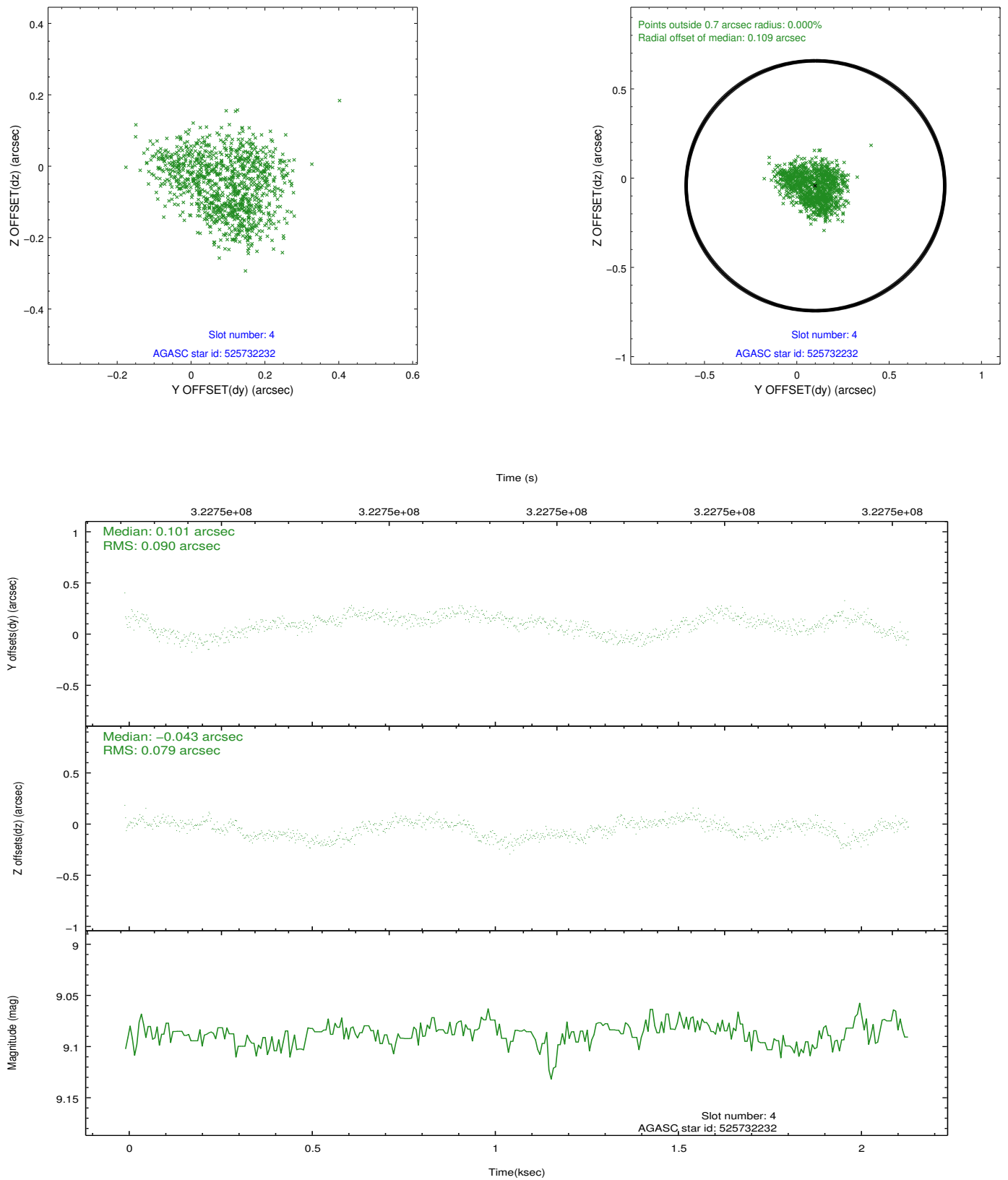
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	523	-0.056	-0.022	0.007	0.012	0.000000	0.000000	-766.11	-1736.27
1	FID	ACIS-S-4	7.19	523	0.166	0.033	0.007	0.013	0.000000	0.000000	2145.97	169.16
2	FID	ACIS-S-5	7.22	523	-0.141	-0.002	0.007	0.012	0.000000	0.000000	-1815.16	166.20
3	GUIDE	525609504	9.07	1040	0.064	0.067	0.080	0.129	349.896632	58.356658	-2231.31	-1060.48
4	GUIDE	525732232	9.09	1045	0.101	-0.043	0.131	0.192	351.669550	58.757012	1359.18	-551.13
5	GUIDE	525732528	9.34	1045	-0.186	0.054	0.106	0.168	351.607241	59.298932	1740.43	1367.91
6	GUIDE	525735976	8.58	1045	-0.022	0.052	0.084	0.121	350.142956	58.277622	-1859.95	-1460.87
7	GUIDE	525736400	9.06	1044	0.050	-0.123	0.087	0.145	350.974563	59.175145	497.25	1234.94

2.4 Star Slots

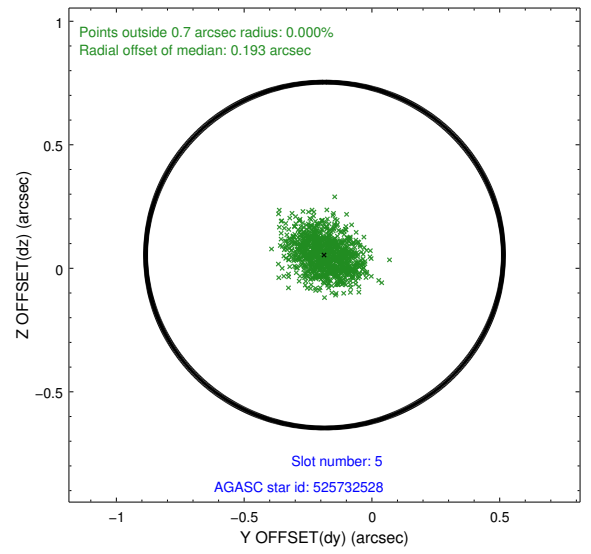
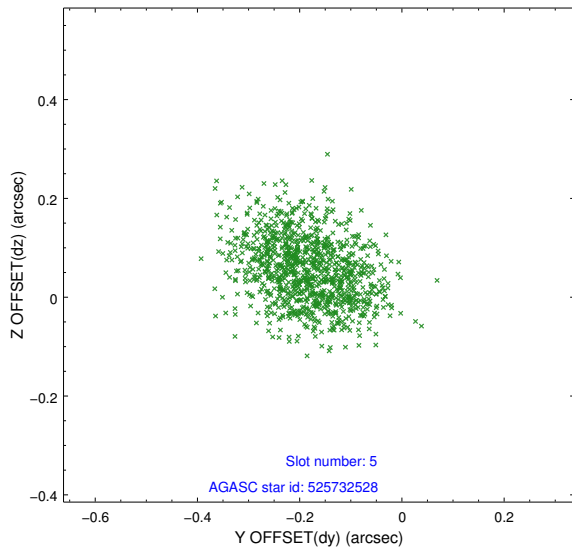
2.4.1 Slot 3



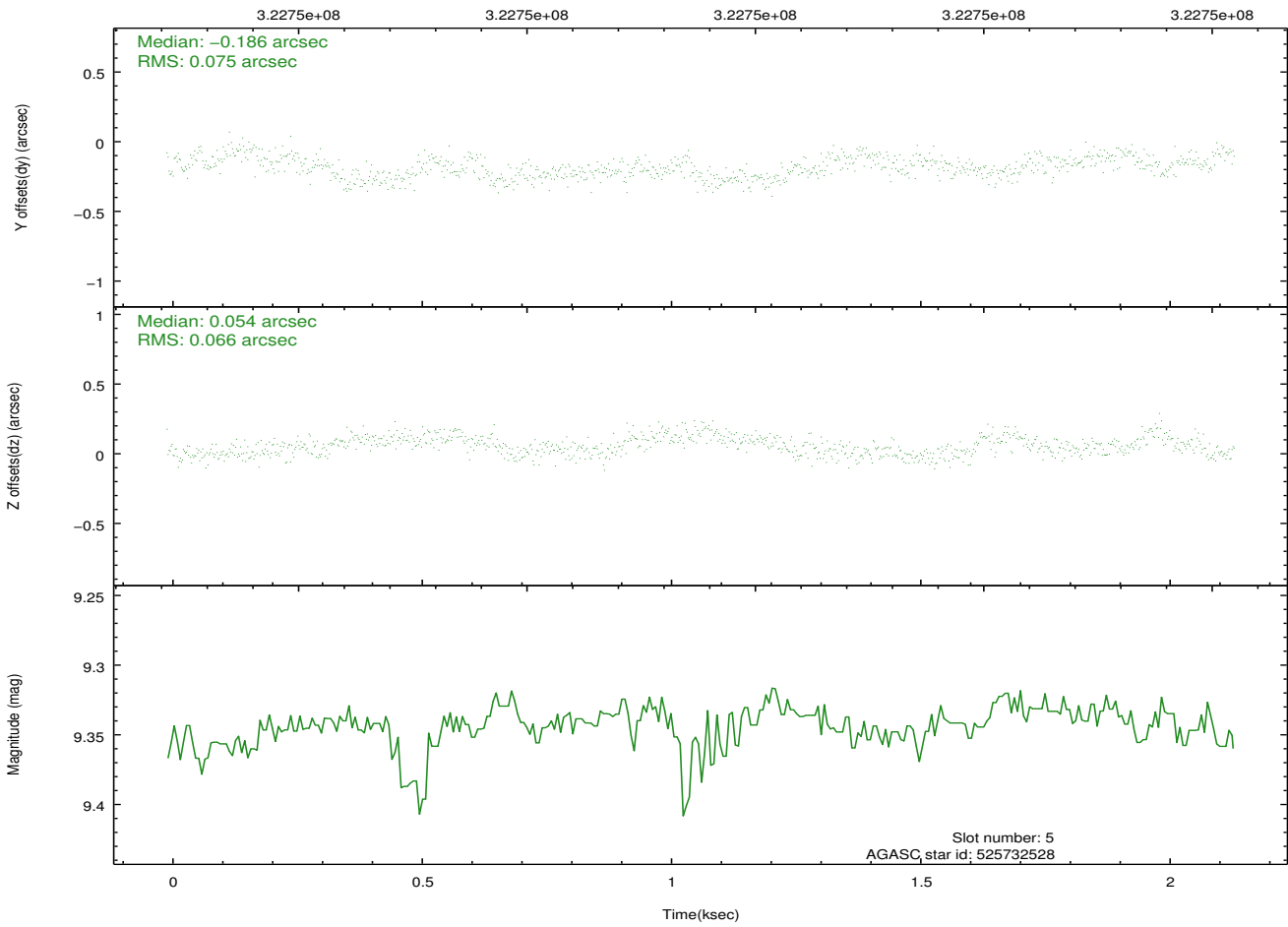
2.4.2 Slot 4



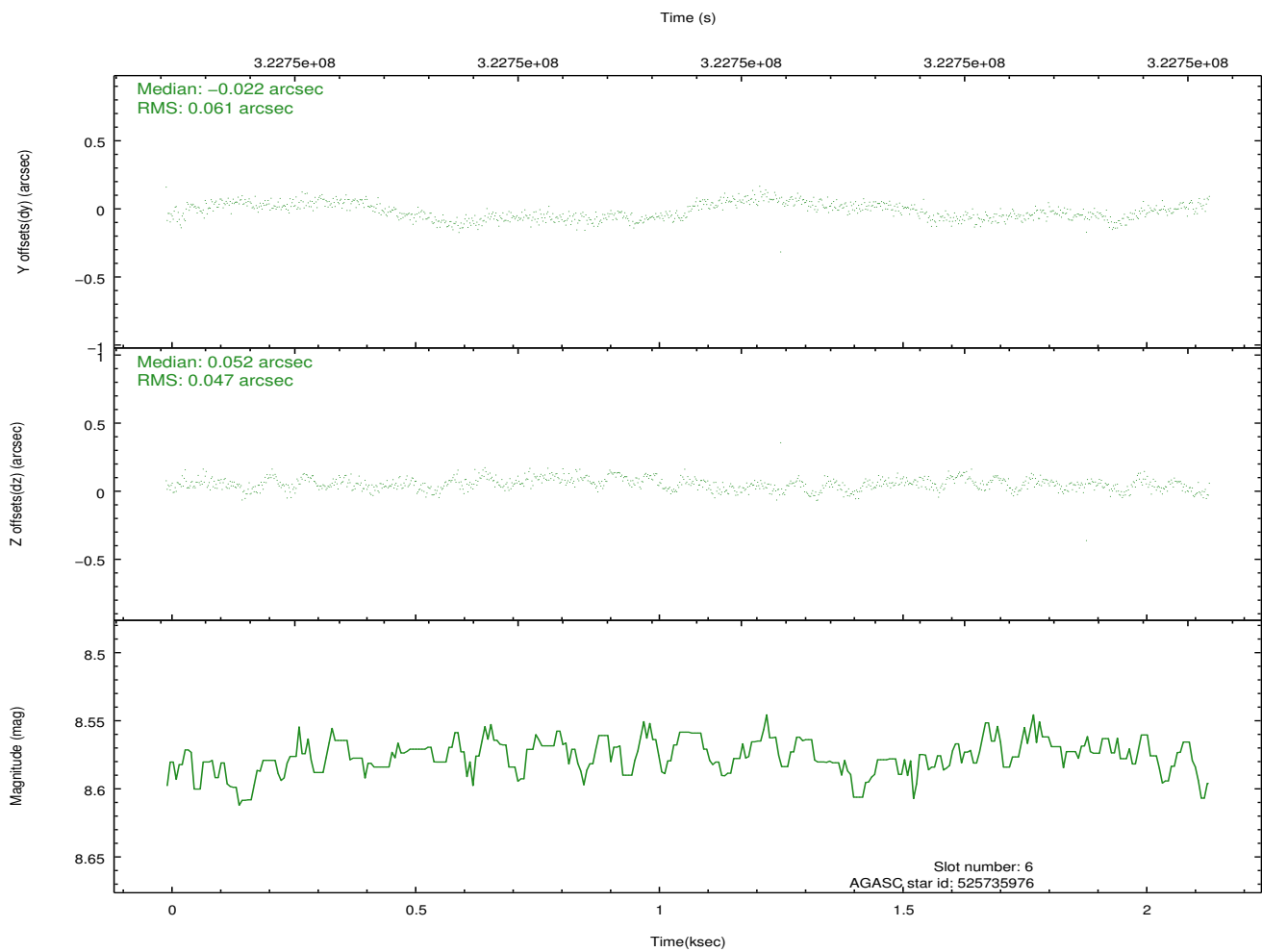
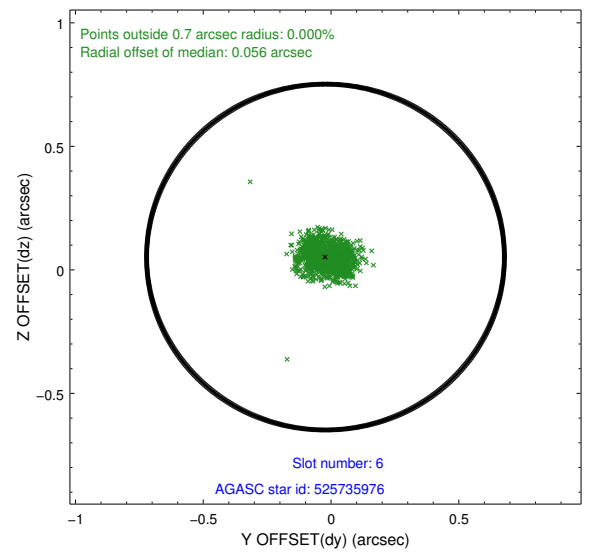
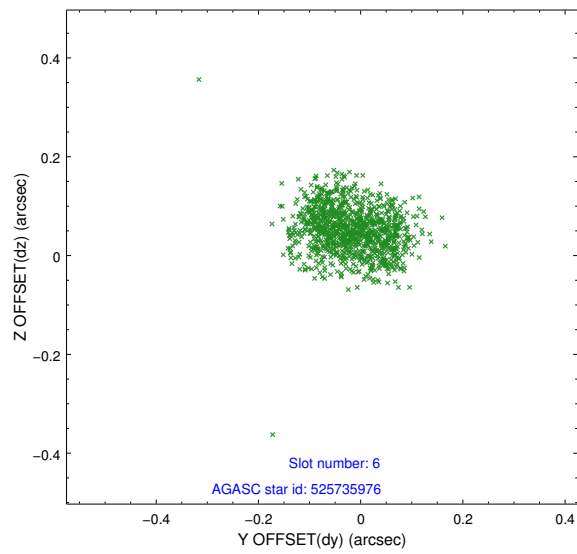
2.4.3 Slot 5



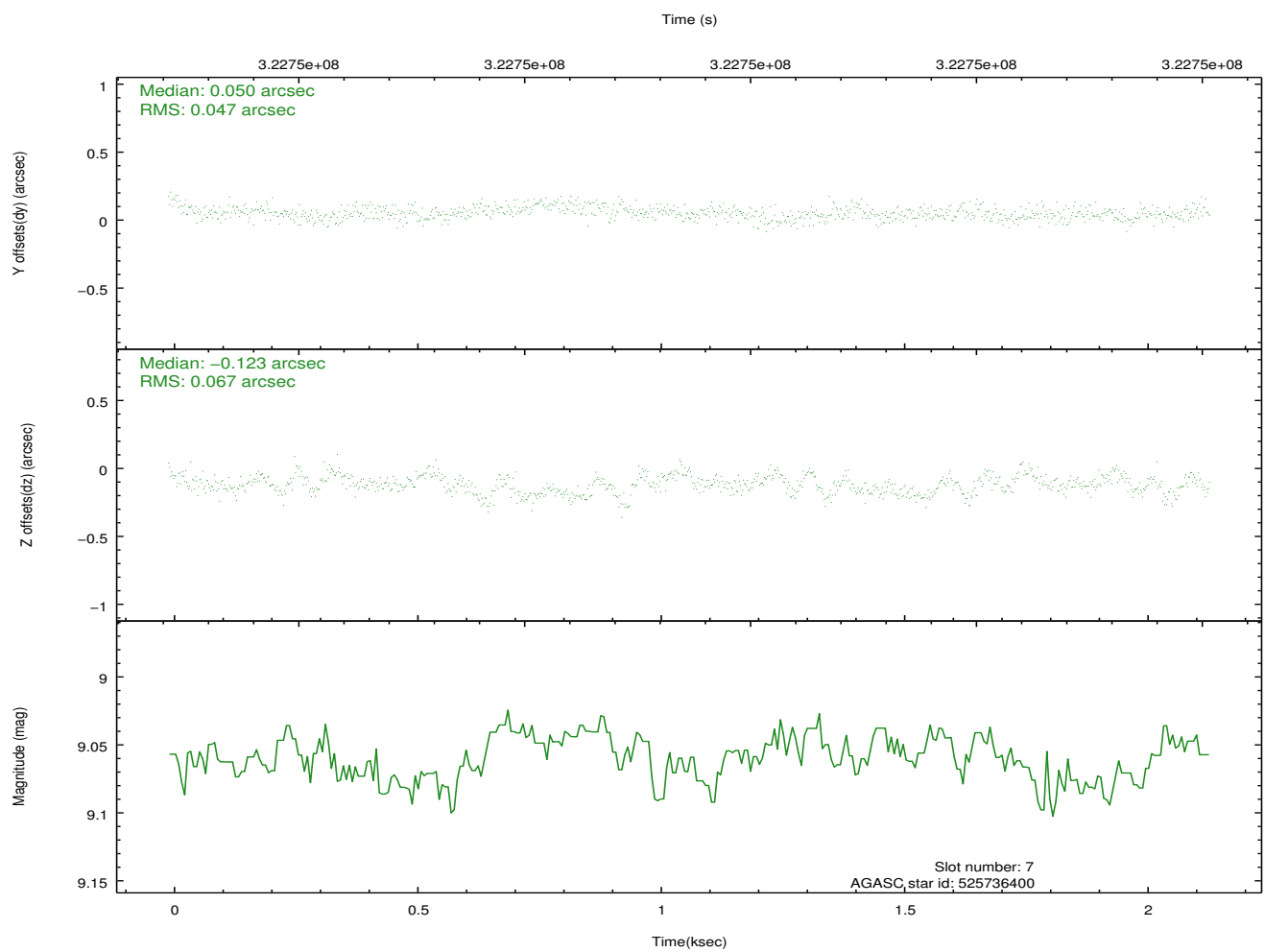
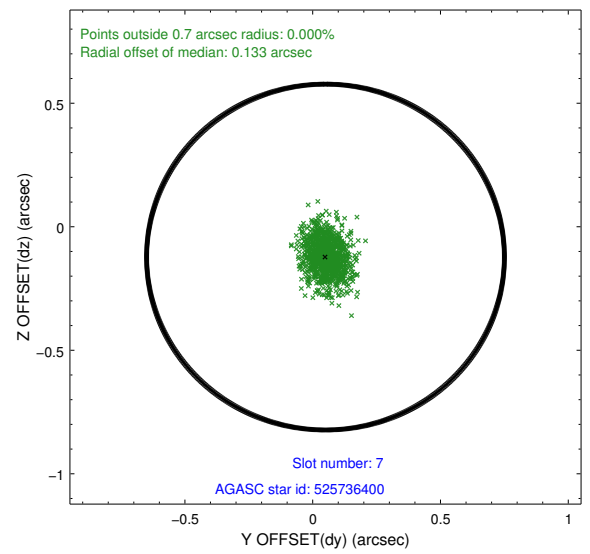
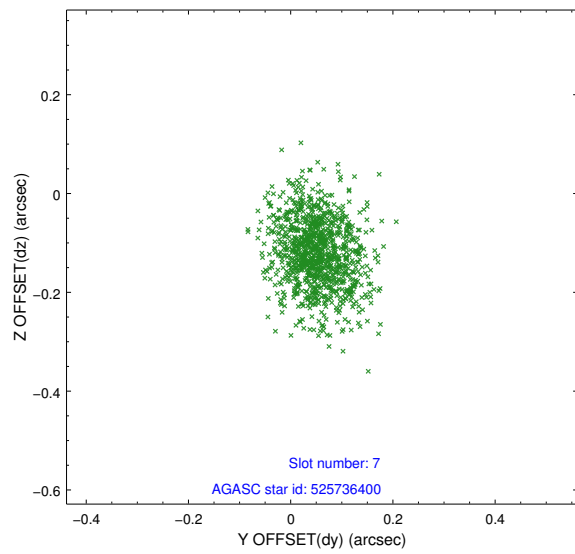
Time (s)



2.4.4 Slot 6

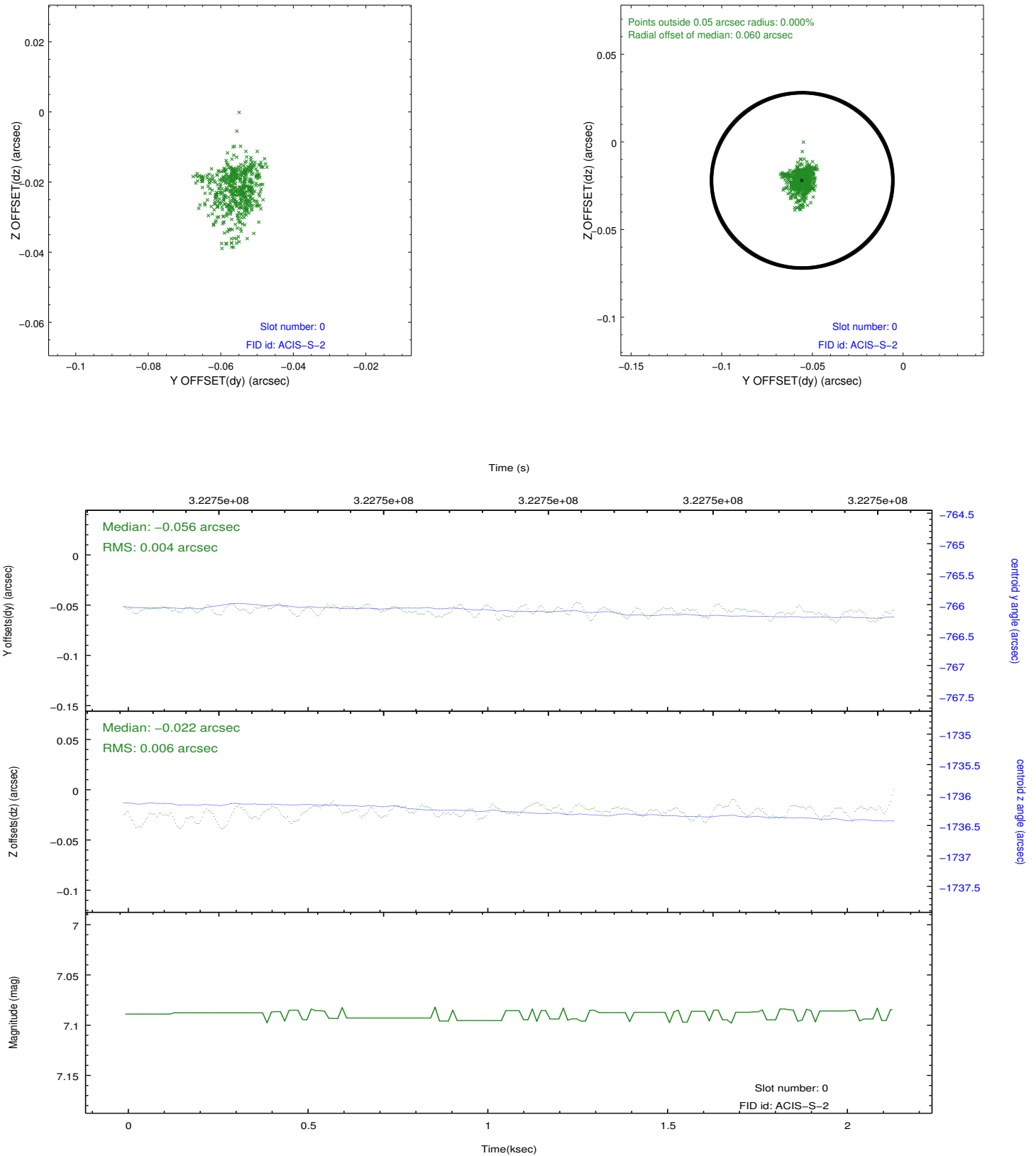


2.4.5 Slot 7

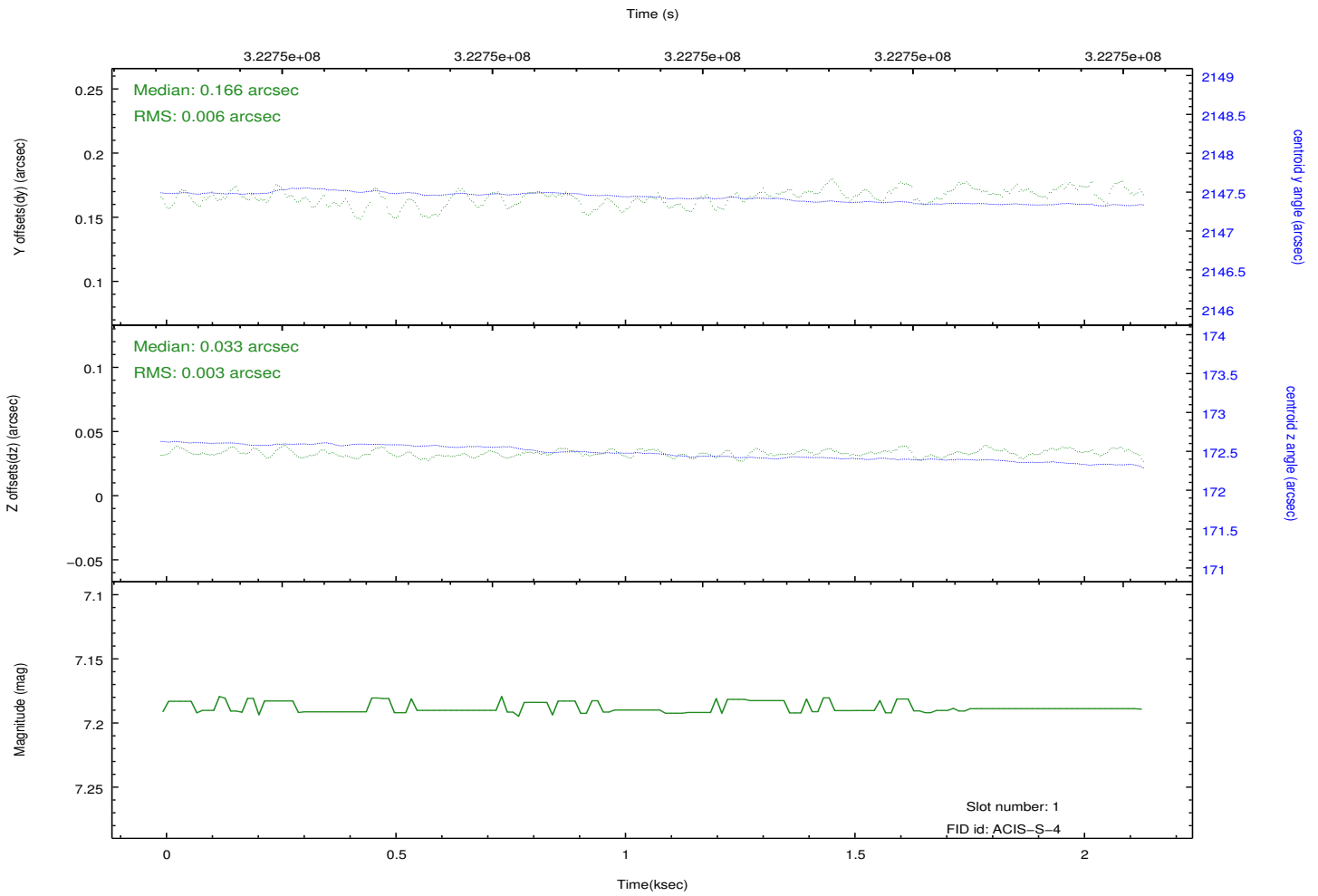
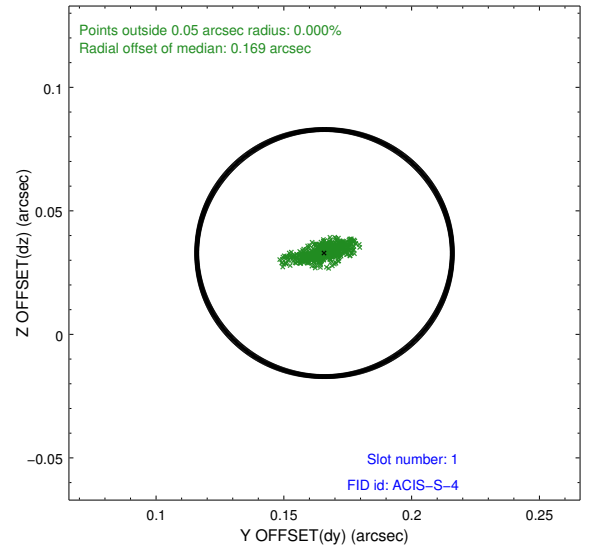
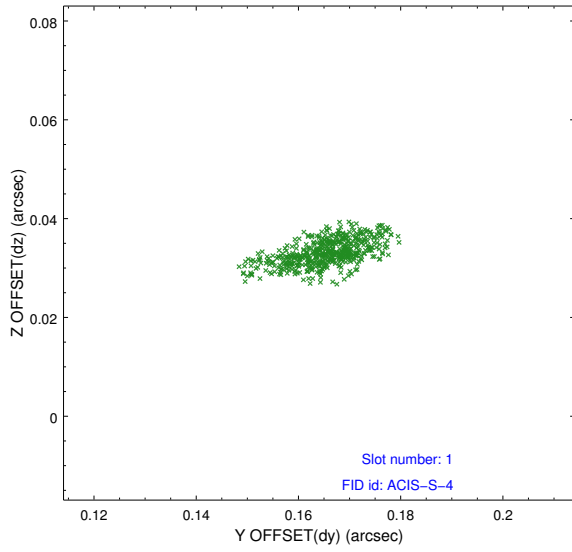


2.5 FID Slots

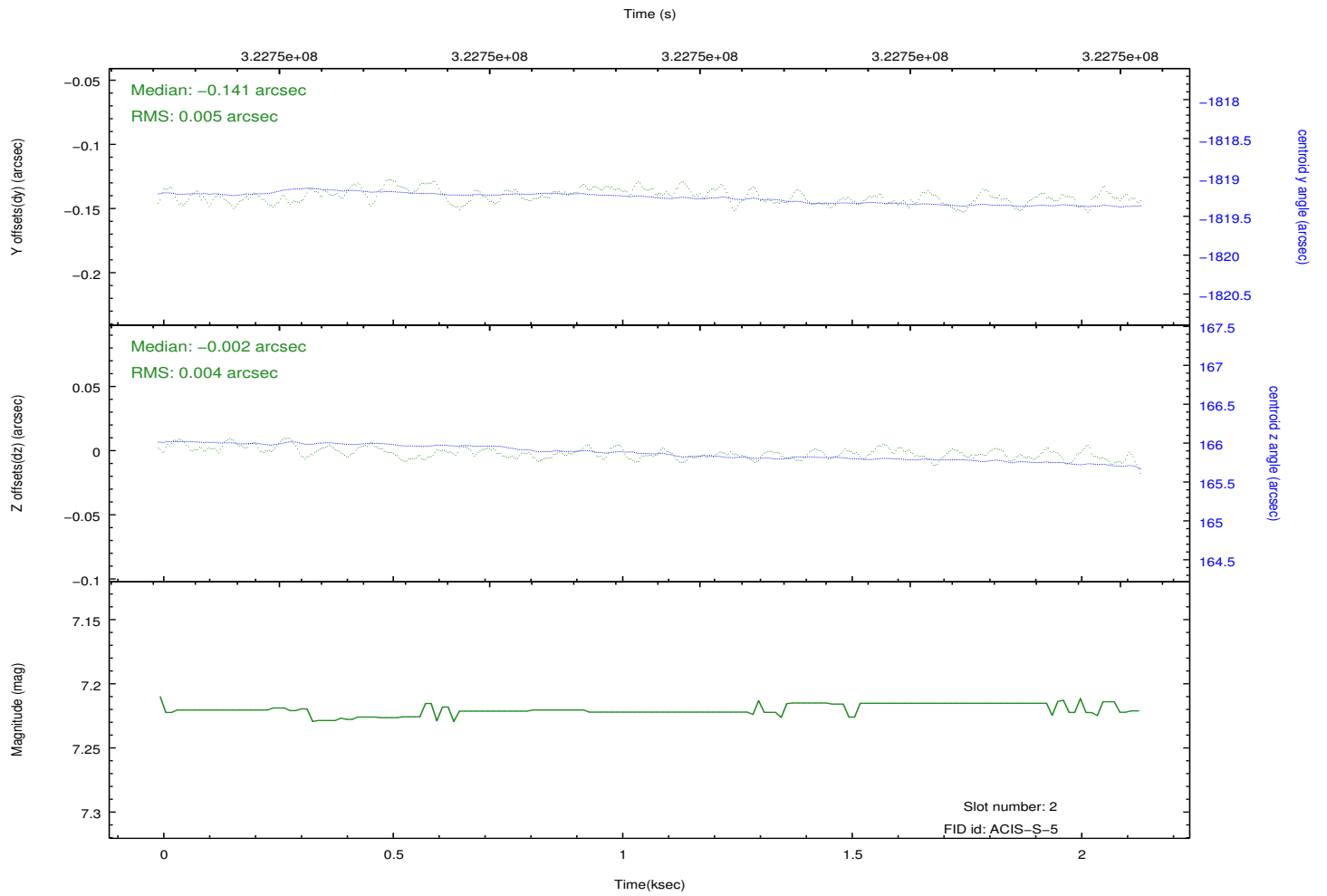
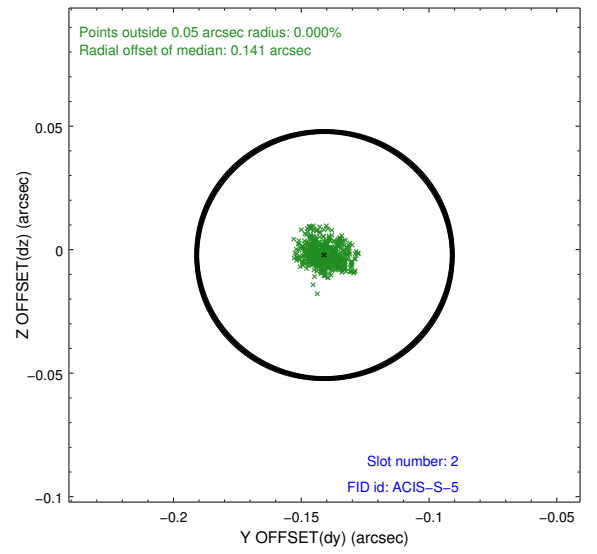
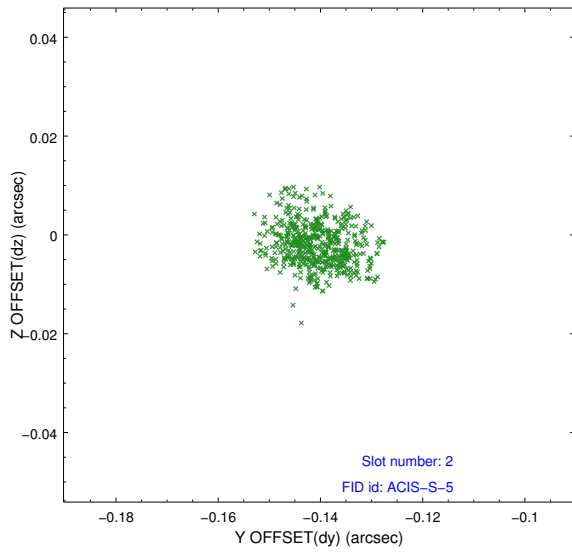
2.5.1 Slot 0



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)	2012.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.25965596

A.2 Comments

Although 4 ACIS-S CCDs were turned on for this observation, only data from chip S3 were collected. An exclusion filter was used to exclude data from the other 3 chips. Window constraint met.