

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9773 - L2 Version 2
Chandra X-Ray Center

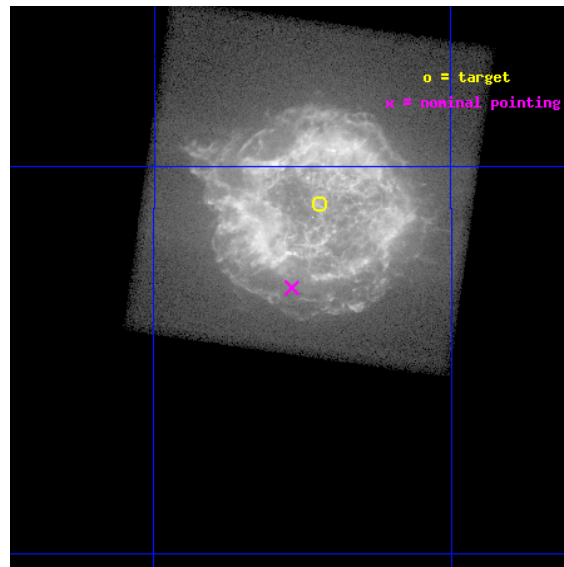
L2 Processing Date : May 6 2012

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1 Front

seq_num	500979	Sequence number
obs_id	9773	Observation id
title	Investigating the X-ray Variability of Cassiopeia A	Proposal title
observer	Daniel Patnaude	Principal investigator
object	Cassiopeia A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.86125	Observer's specified target RA [deg]
dec_targ	58.8175	Observer's specified target Dec [deg]
ra_nom	350.88412629708	Nominal RA [deg]
dec_nom	58.781330807222	Nominal Dec [deg]
roll_nom	278.1370748132	Nominal Roll [deg]
revision	2	Processing version of data
ontime	25173.0	Sum of GTIs [s]
liveltime	24833.280719754	Livetime [s]
ontime7	25173.0	Sum of GTIs [s]
l2events	7306002	Number of level 2 events

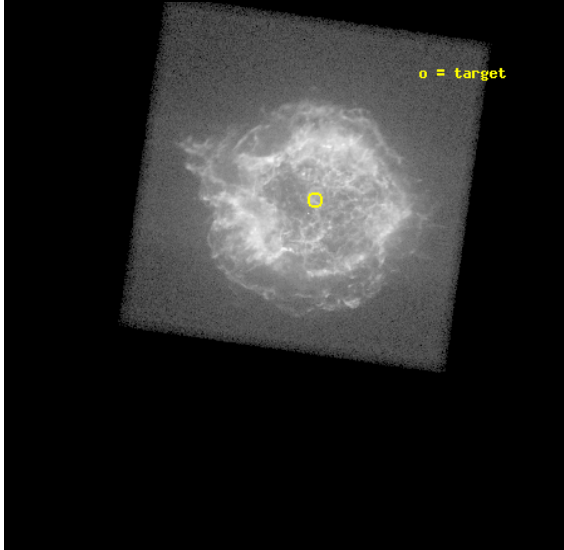


2 OBI

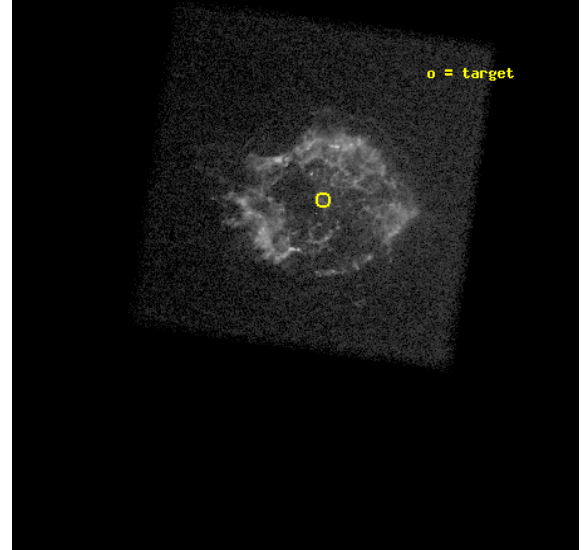
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	25173.0	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	25173.0	Sum of GTIs [s]
date	2012-05-06T01:31:58	Date and time of file creation	l1events	7935008	Number of level 1 events
revision	2	Processing version of data			

2.1.3 Events

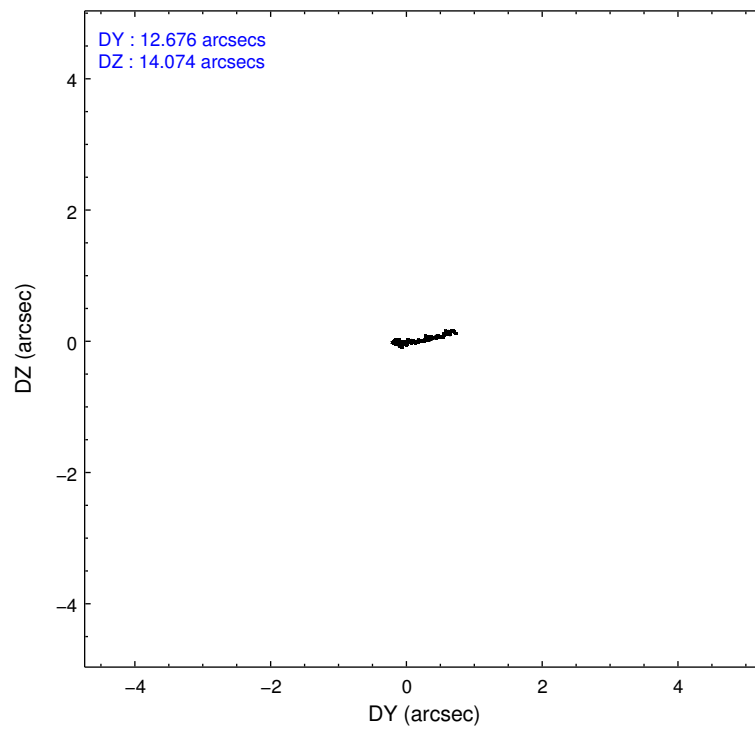
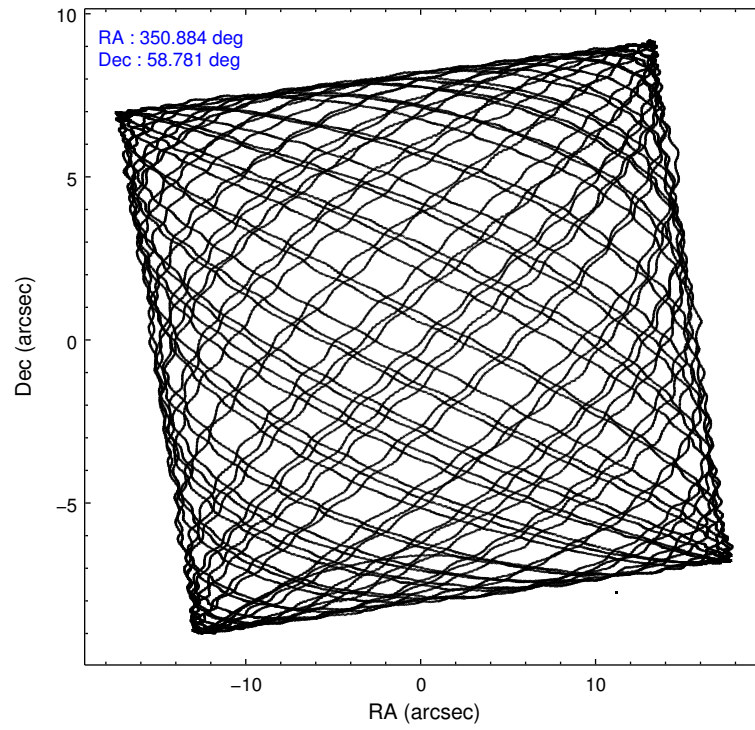
	ccd 7
level 1 events	7935008
rejected events	565915
rejected %	7%

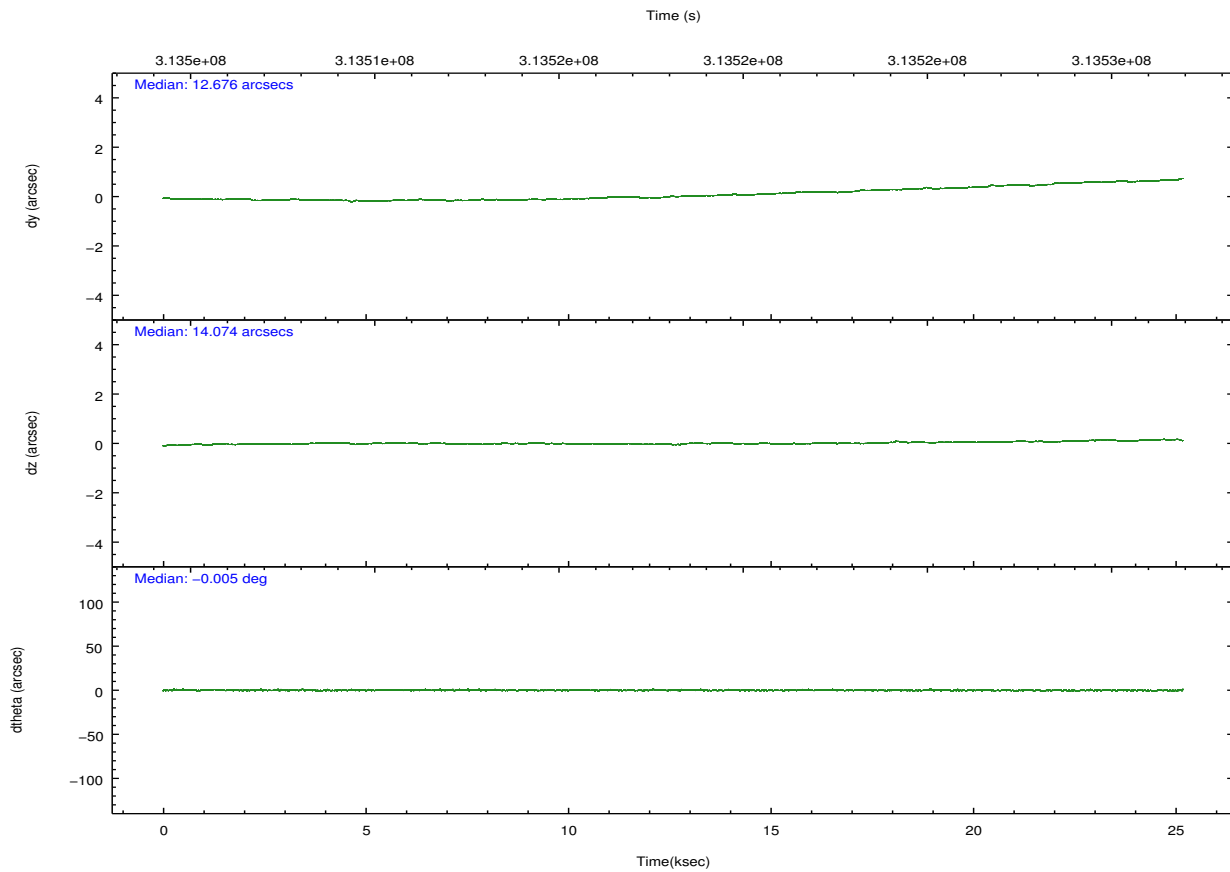
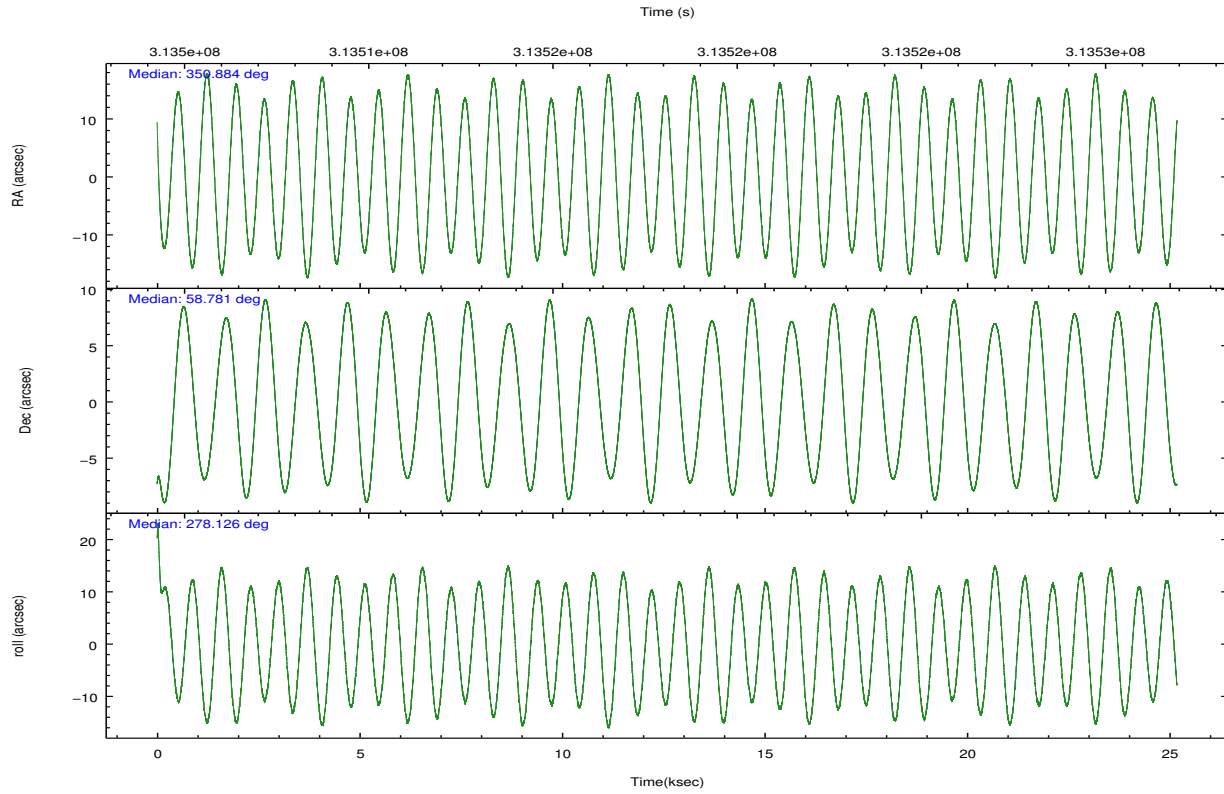
	ccd 7
grade 0 events	1632509
	20%
grade 1 events	28781
	0%
grade 2 events	2212777
	27%
grade 3 events	776611
	9%
grade 4 events	768090
	9%
grade 5 events	143118
	1%
grade 6 events	2026209
	25%
grade 7 events	346913
	4%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	GRADED	GRADED	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	350.850983	350.8841262970785	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.802613	58.78133080722198	Alternating exposures requested	N	N
[deg] Pointing Roll	278.008779	278.1370748131993	[s] Primary exposure time	0.000000	3
[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)	313505672.184000	313504562.81727			
Observation start date	2007-12-08T12:53:27	2007-12-08T12:36:02			
[s] Observation end time (MET)	313530672.184000	313531644.85608			
Observation end date	2007-12-08T19:50:07	2007-12-08T20:07:24			
Read mode	TIMED	TIMED			

2.3 Aspect



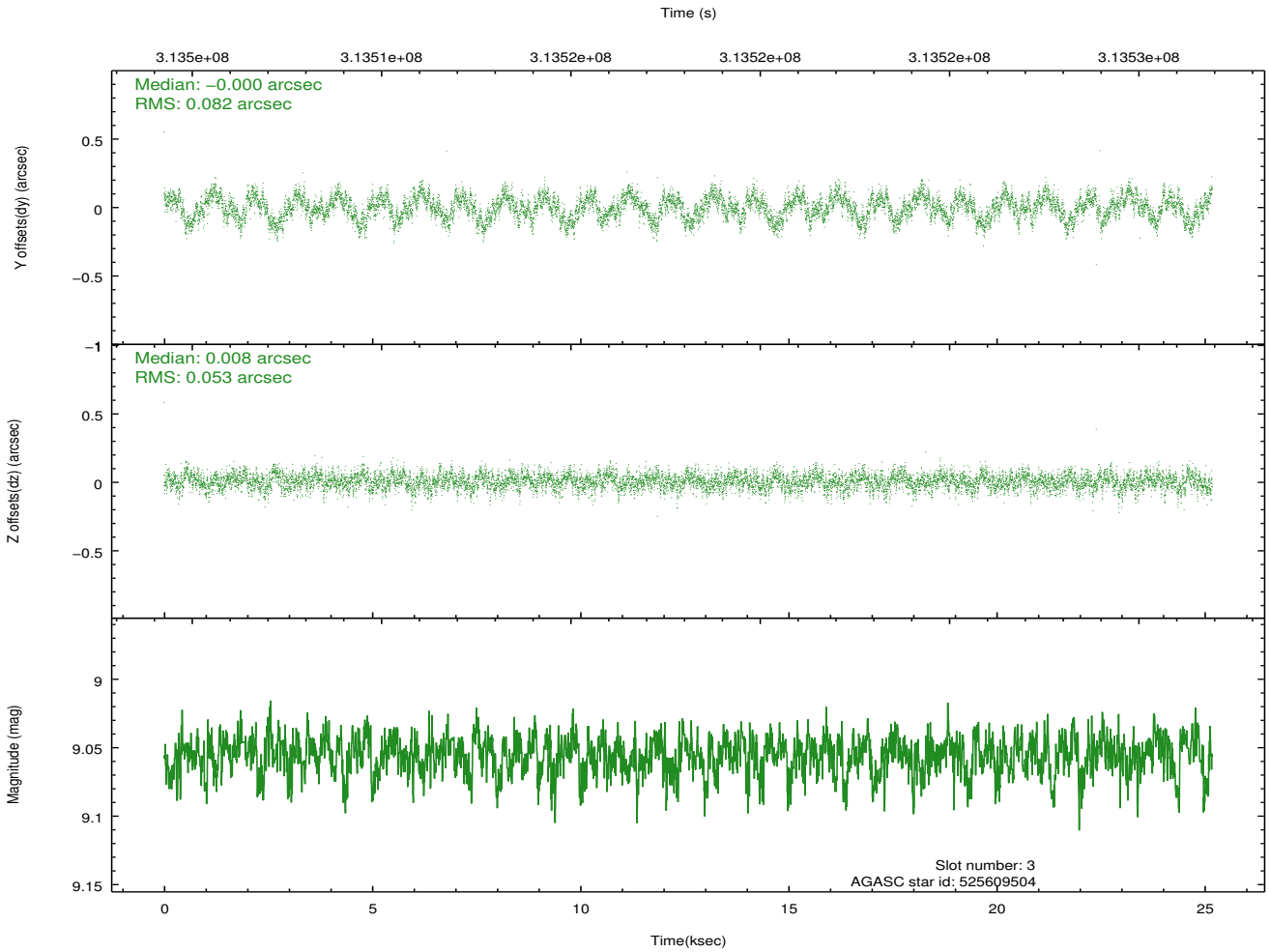
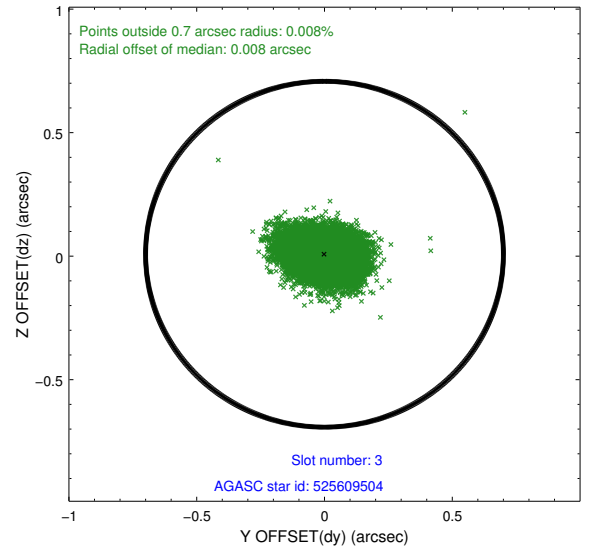
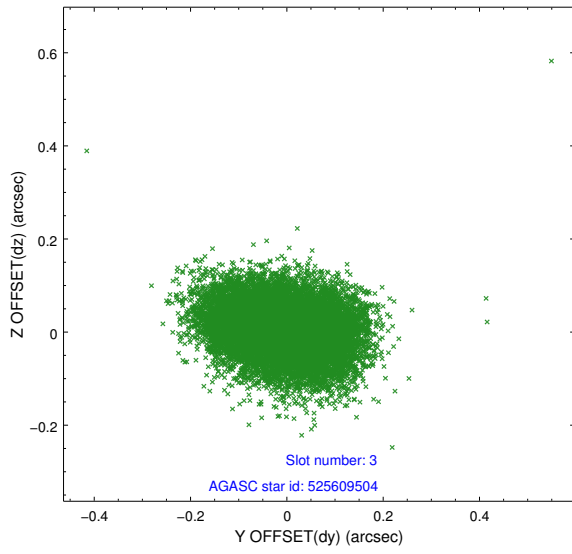


Slot Statistics

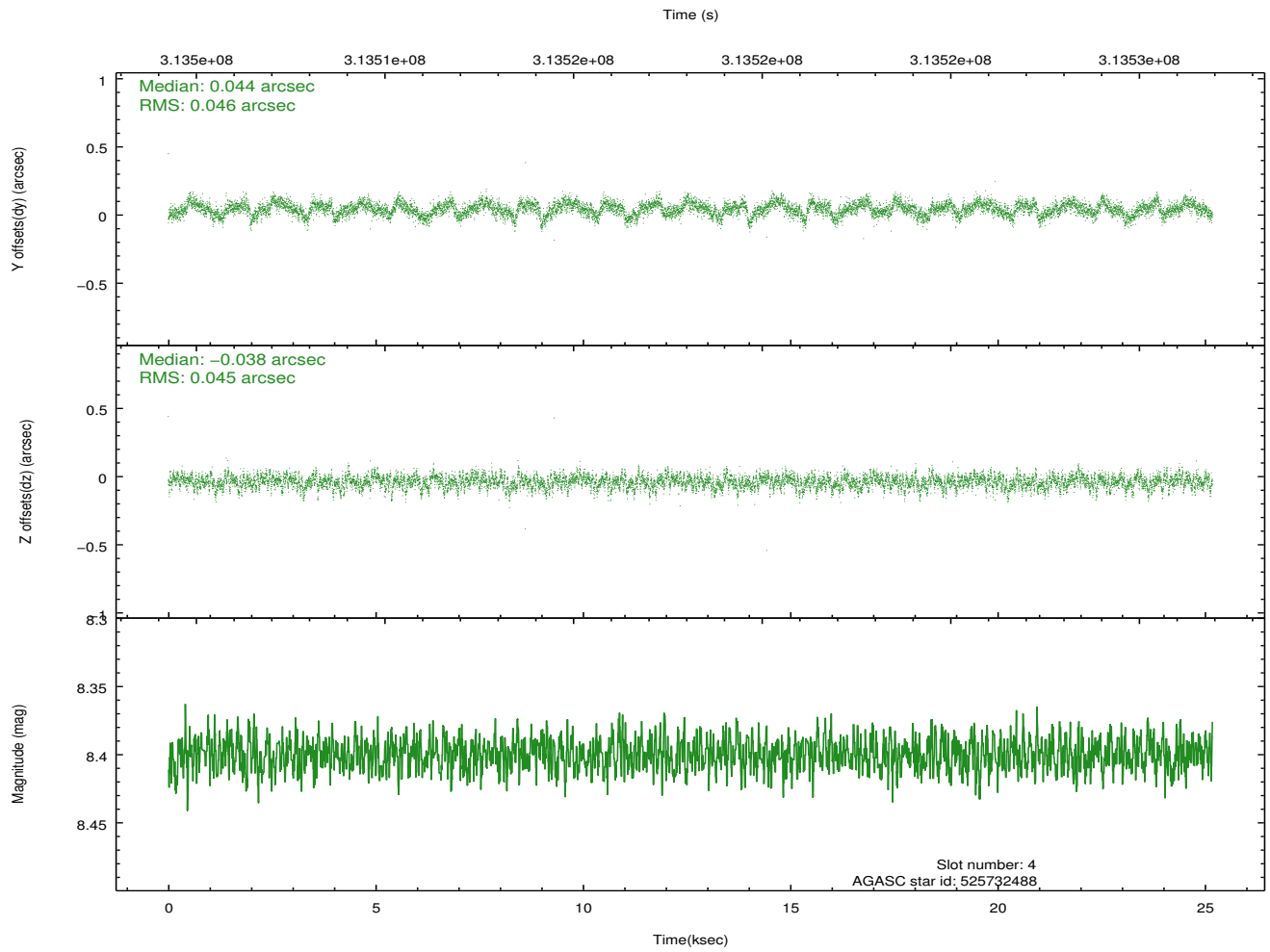
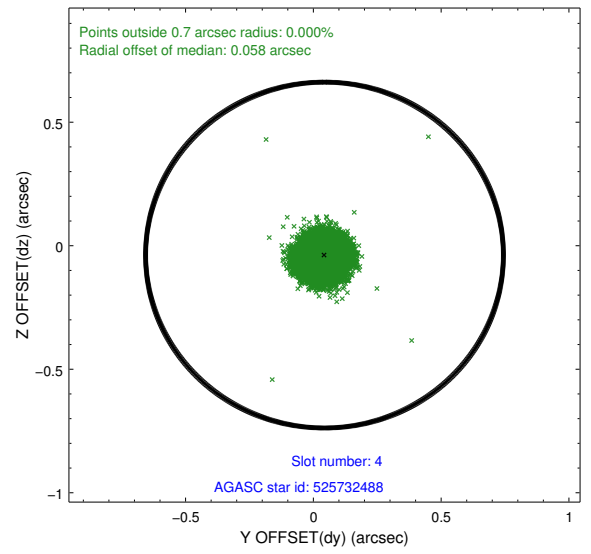
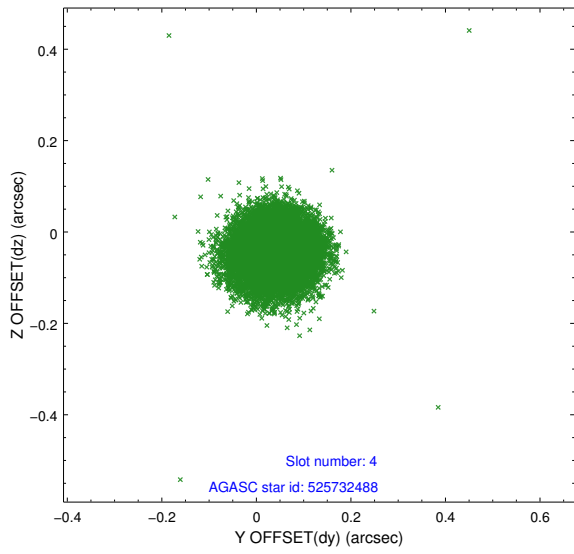
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	6142	-0.039	-0.047	0.008	0.014	0.000000	0.000000	-765.72	-1735.50
1	FID	ACIS-S-4	7.19	6142	0.149	0.032	0.012	0.032	0.000000	0.000000	2147.68	172.97
2	FID	ACIS-S-5	7.23	6141	-0.142	0.024	0.010	0.021	0.000000	0.000000	-1818.53	166.73
3	GUIDE	525609504	9.06	12283	-0.000	0.008	0.104	0.166	349.896632	58.356658	1326.52	-2006.39
4	GUIDE	525732488	8.40	12279	0.044	-0.038	0.068	0.110	350.087090	58.516915	810.92	-1563.90
5	GUIDE	525735976	8.78	12276	0.108	-0.074	0.075	0.119	350.142956	58.277622	1678.54	-1589.11
6	GUIDE	525735456	7.05	12284	-0.080	0.234	0.052	0.081	350.628183	59.307249	-1856.39	-152.21
7	GUIDE	525737896	7.00	12281	-0.068	-0.122	0.054	0.086	352.012180	59.335036	-1619.89	2380.89

2.4 Star Slots

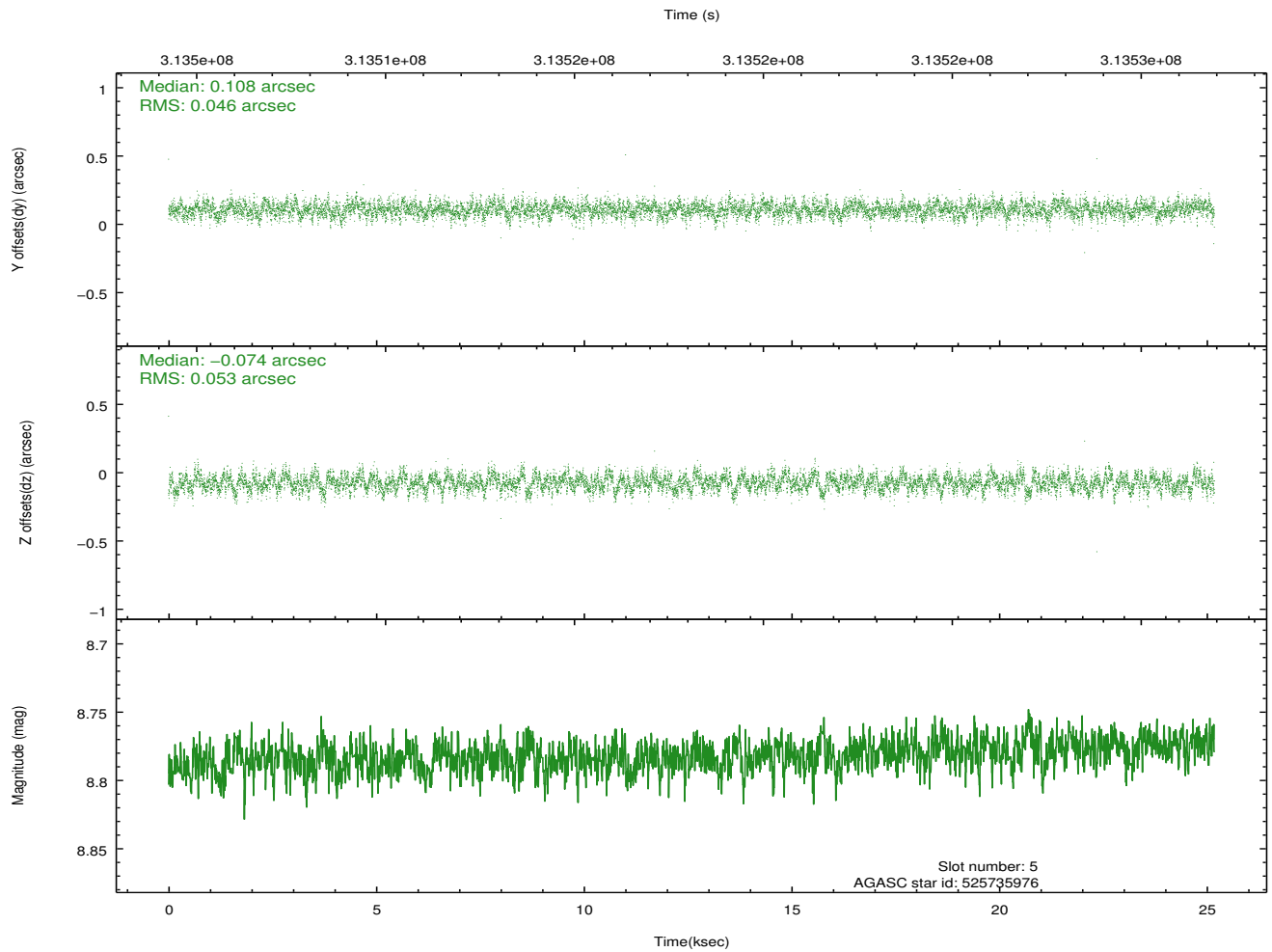
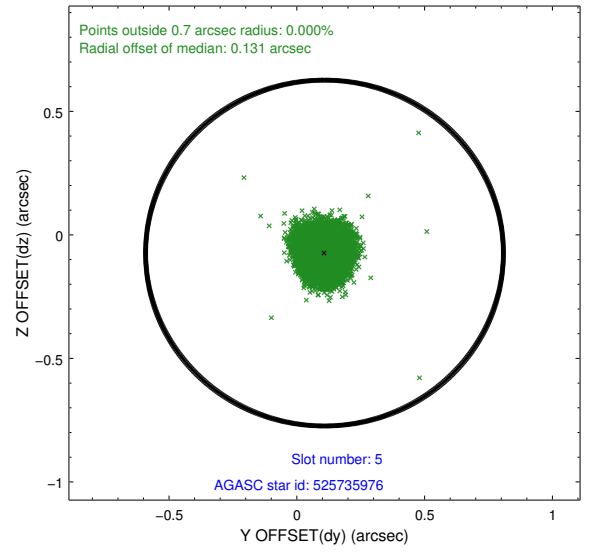
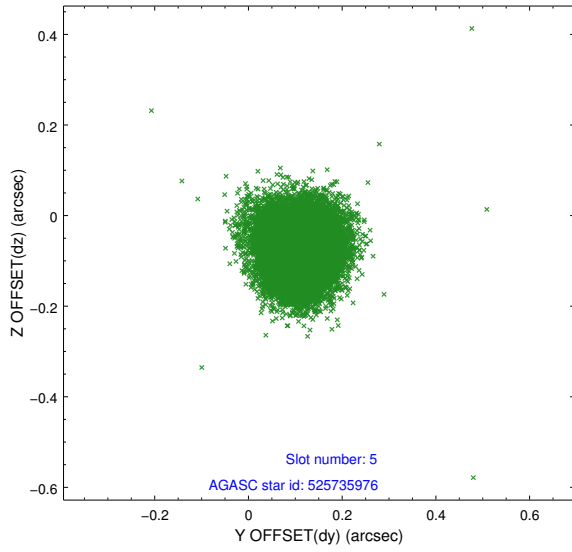
2.4.1 Slot 3



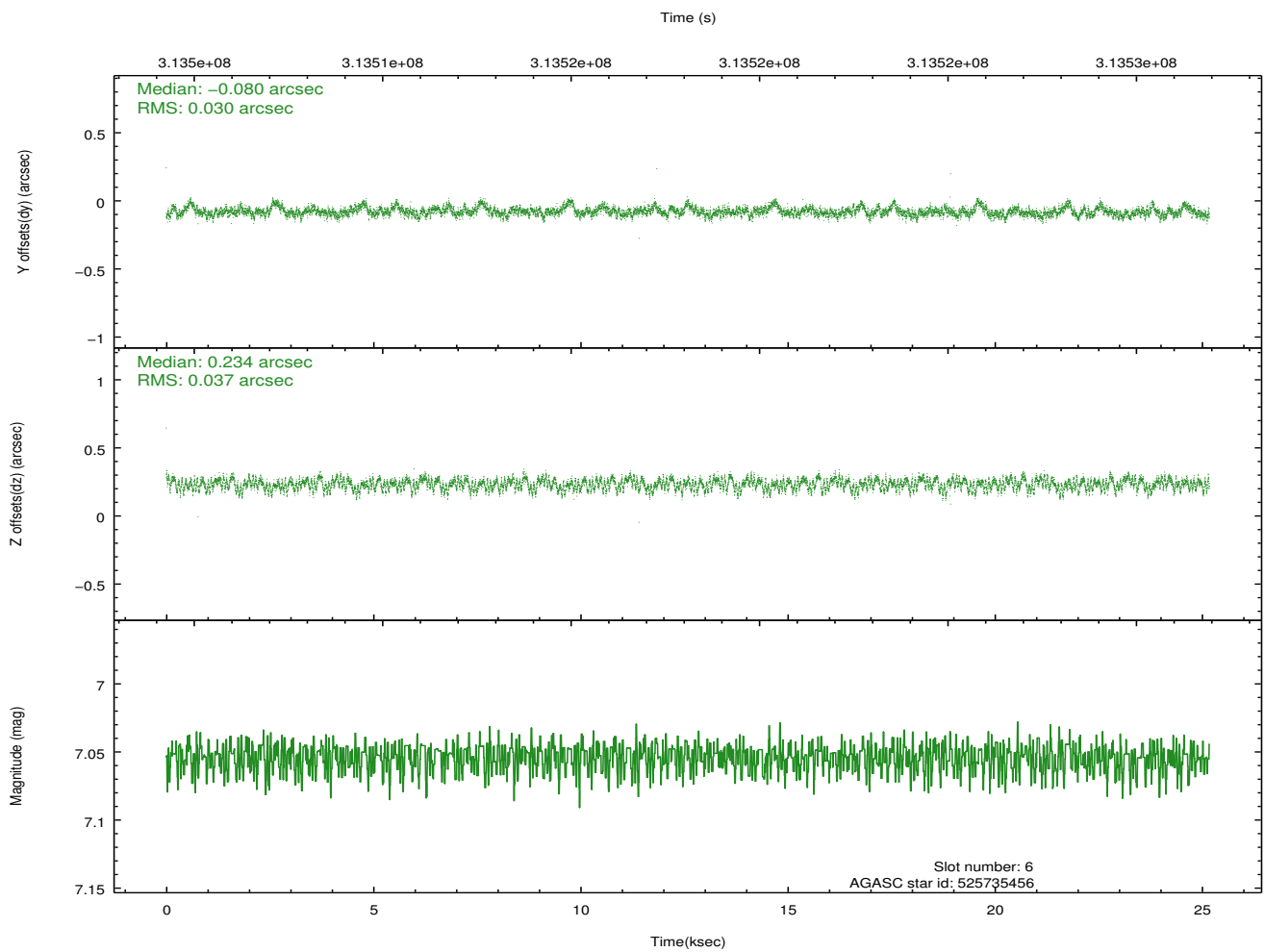
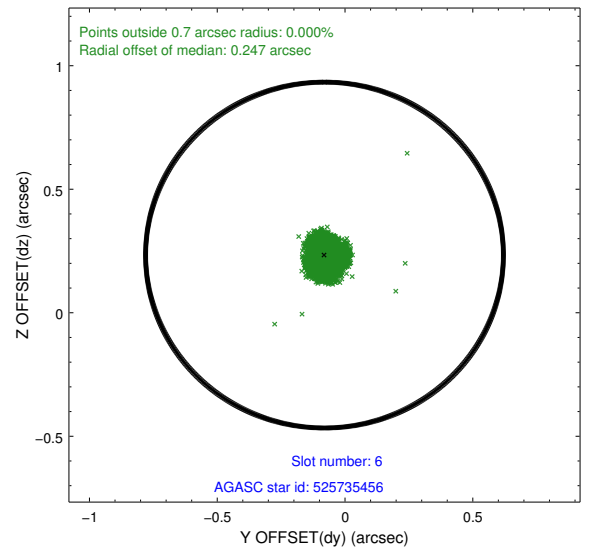
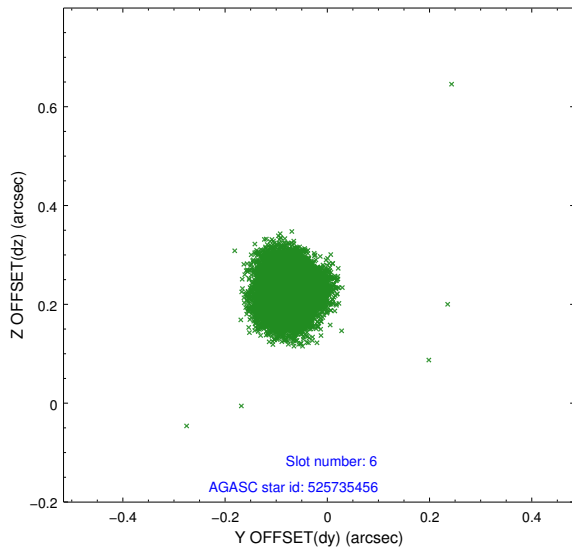
2.4.2 Slot 4



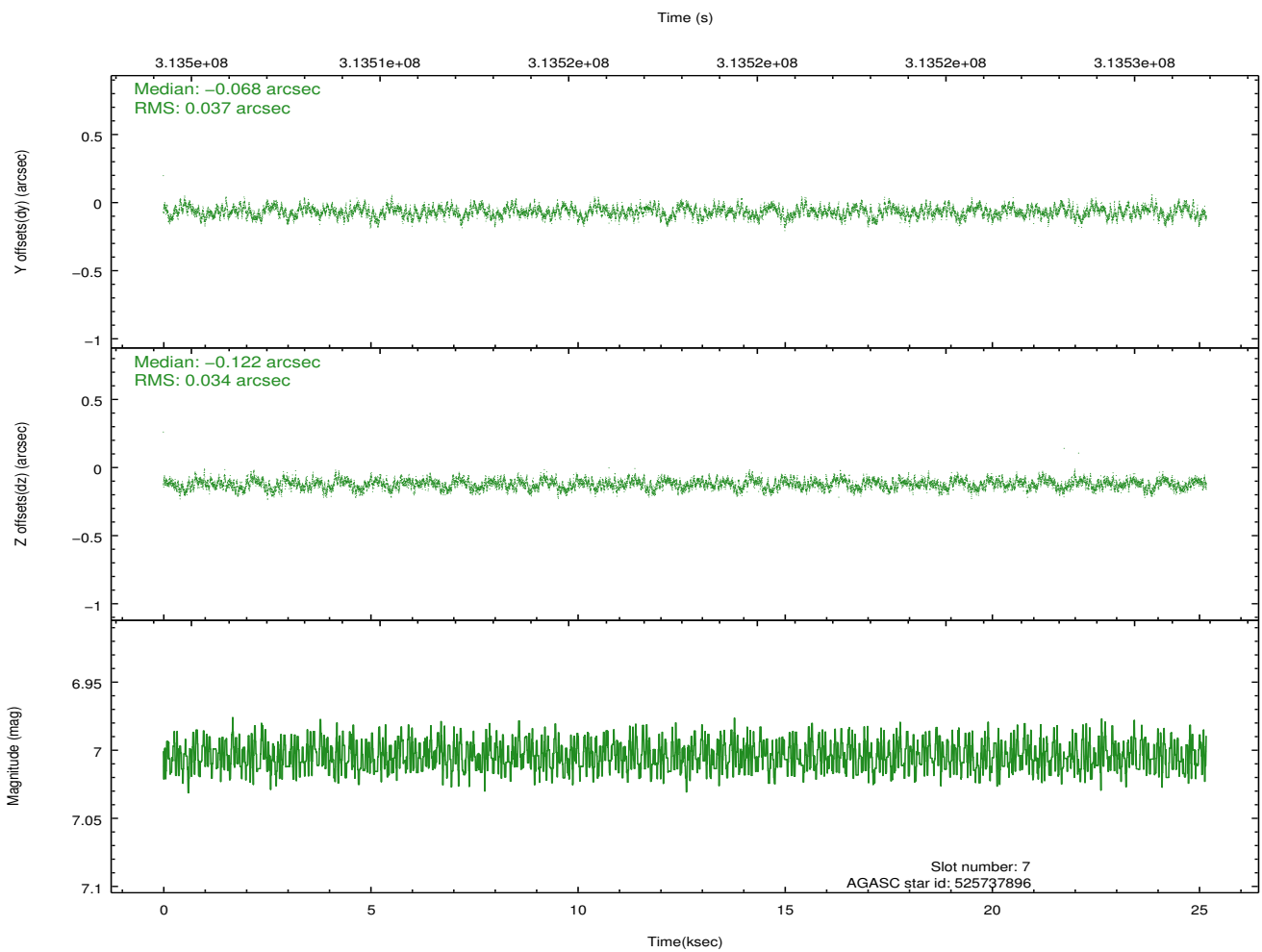
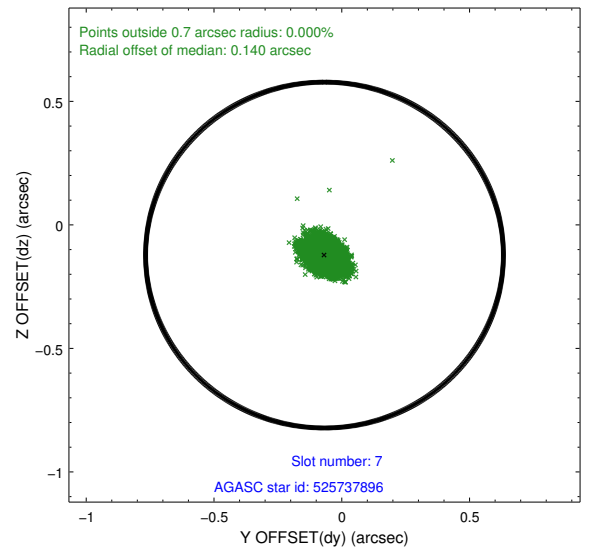
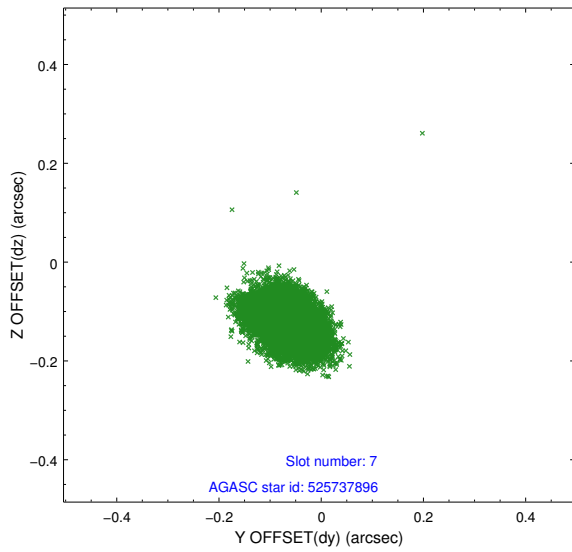
2.4.3 Slot 5



2.4.4 Slot 6

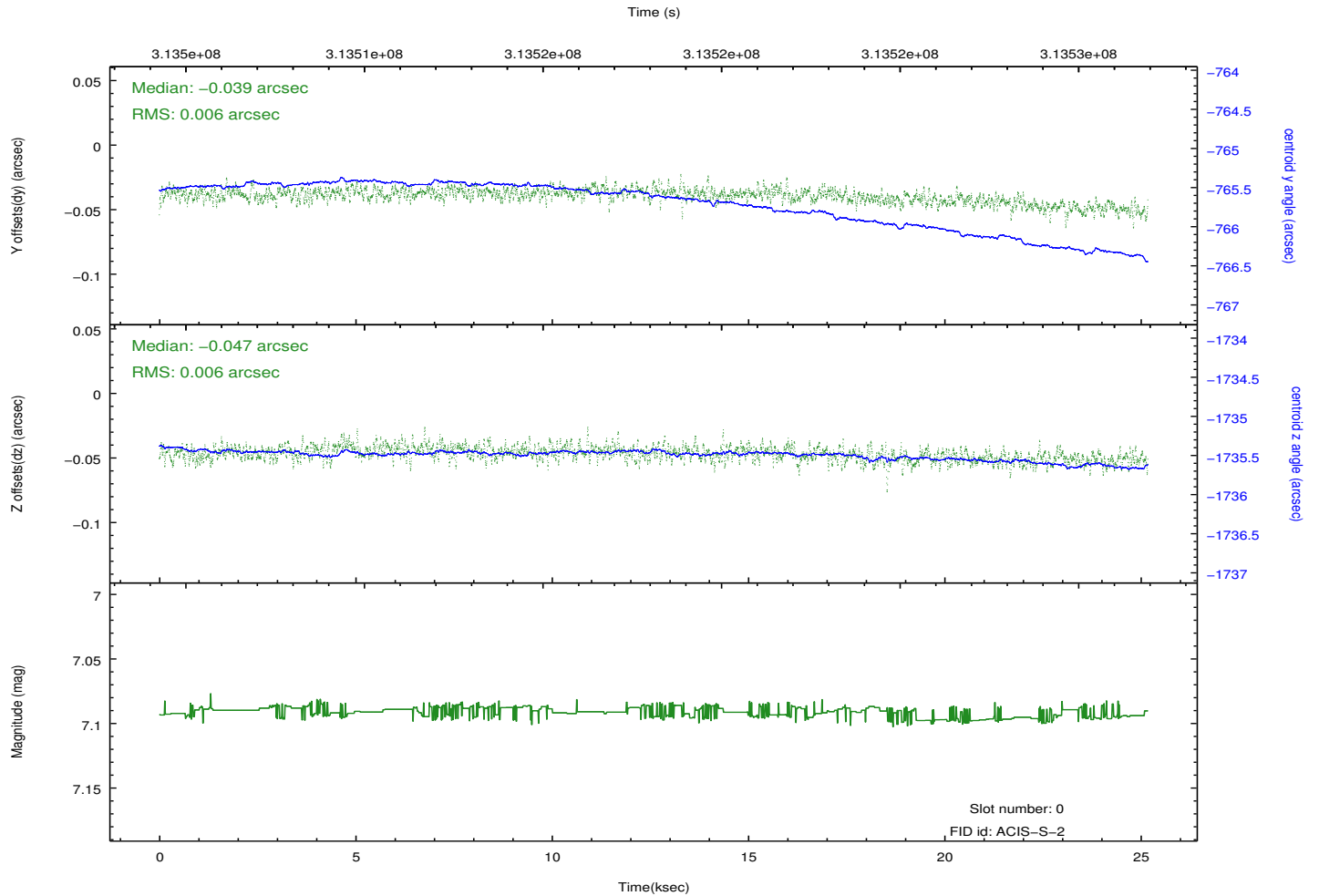
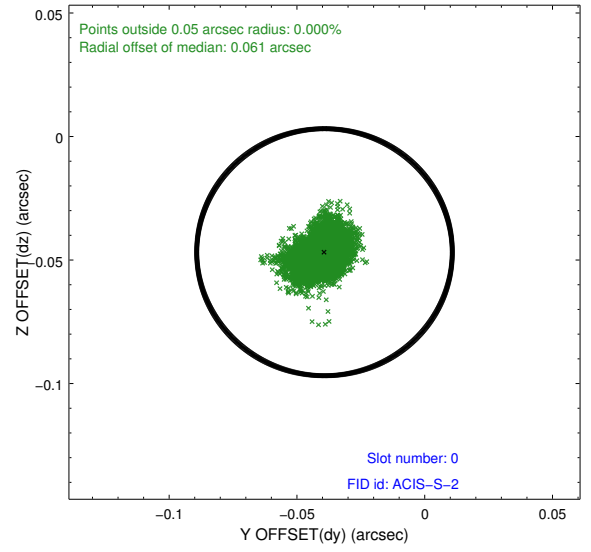
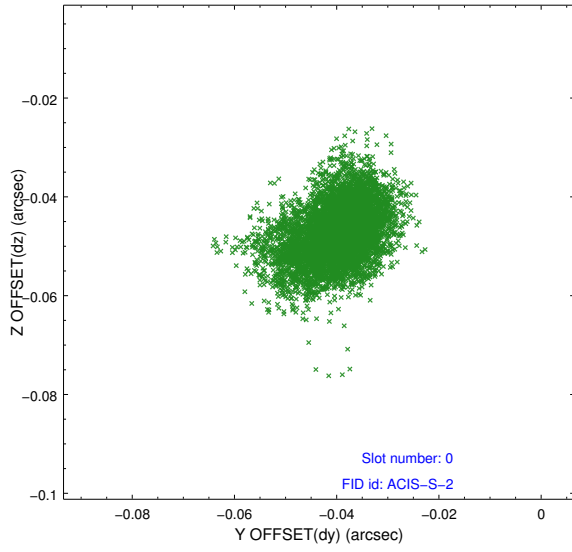


2.4.5 Slot 7

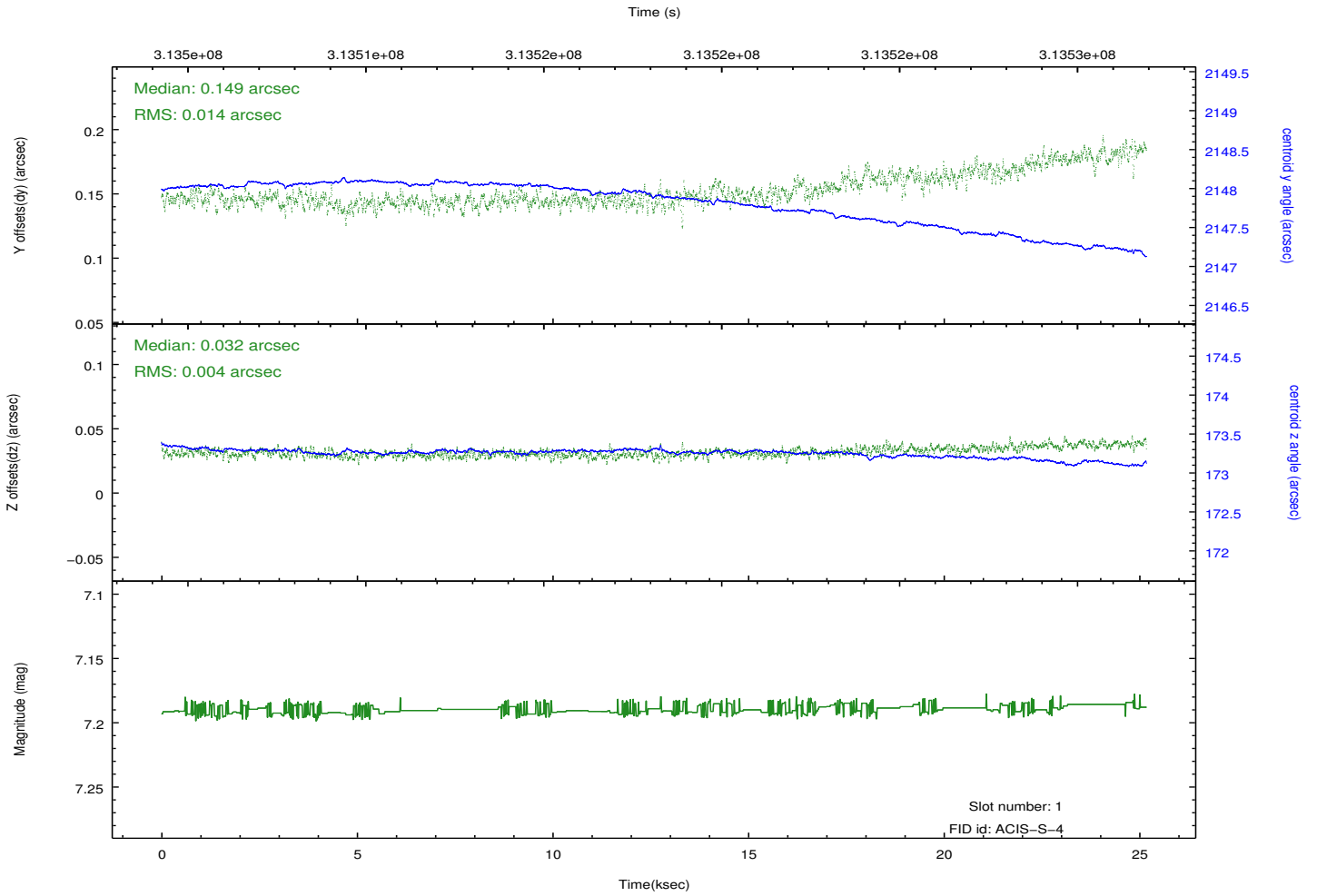
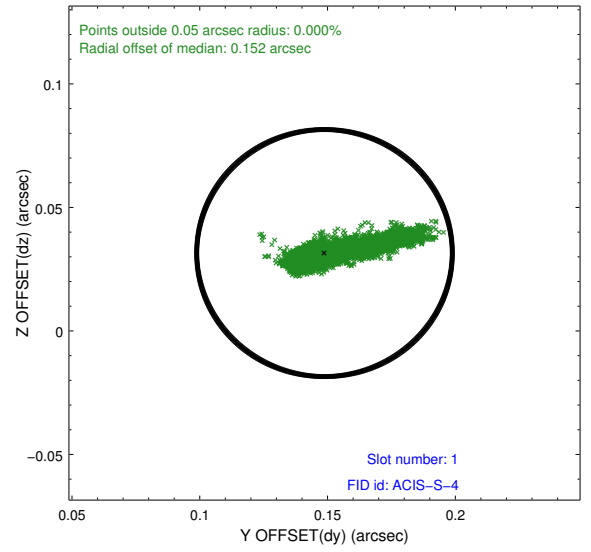
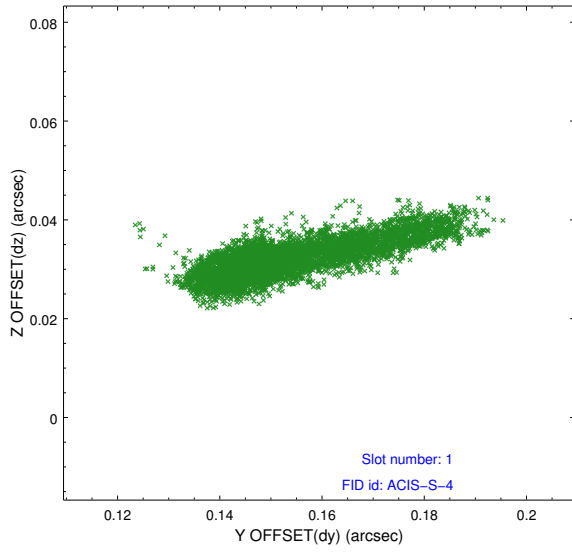


2.5 FID Slots

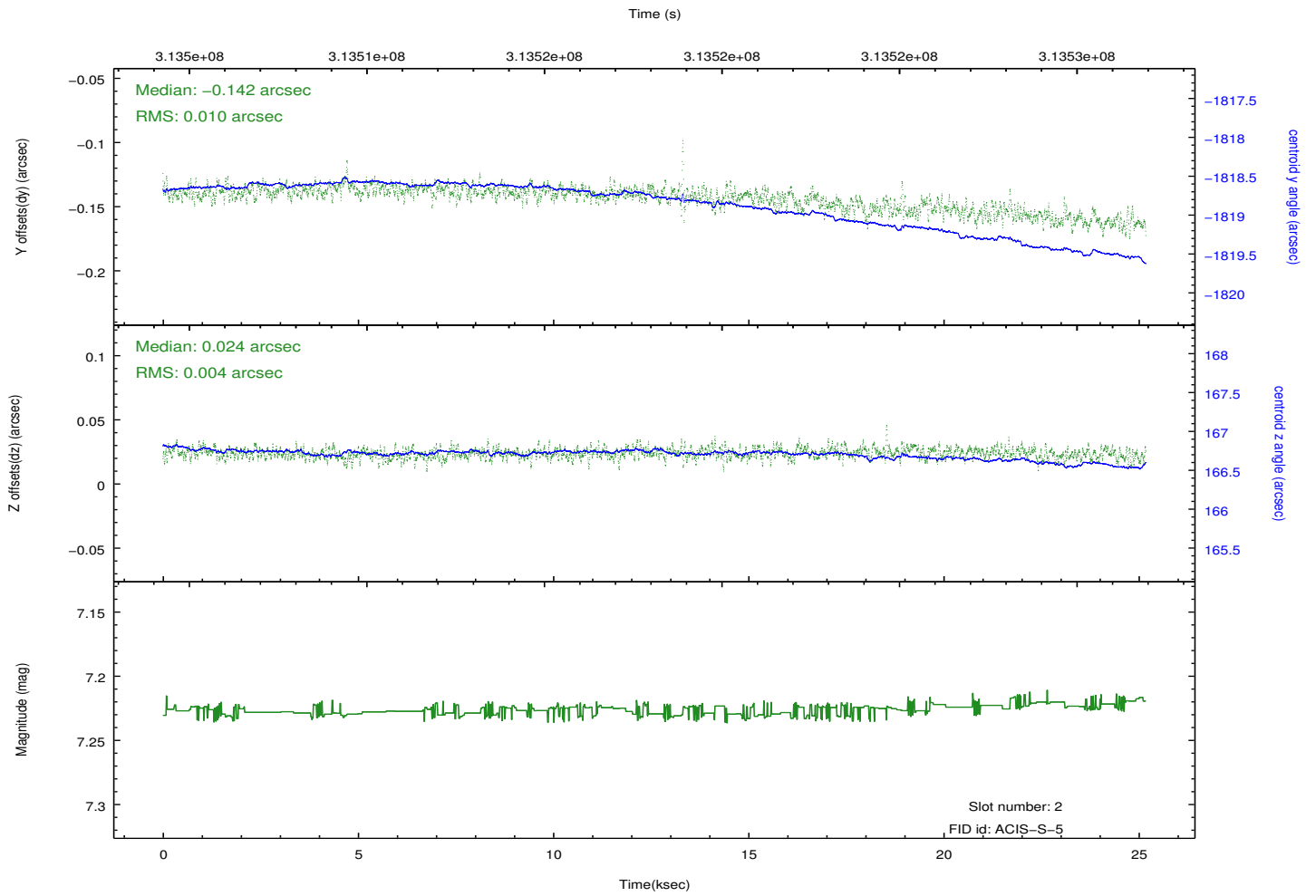
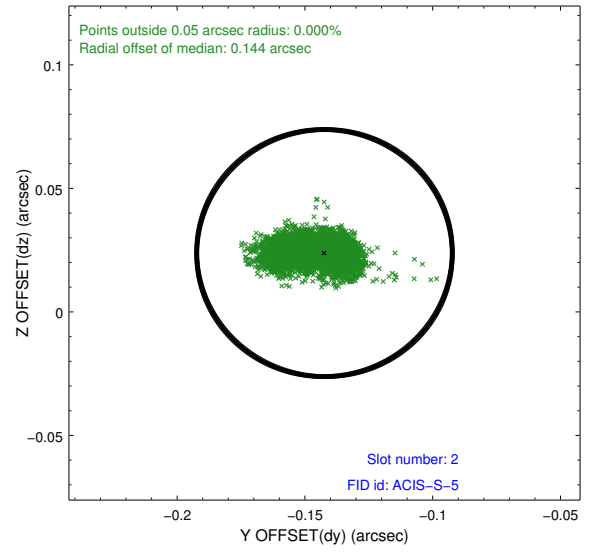
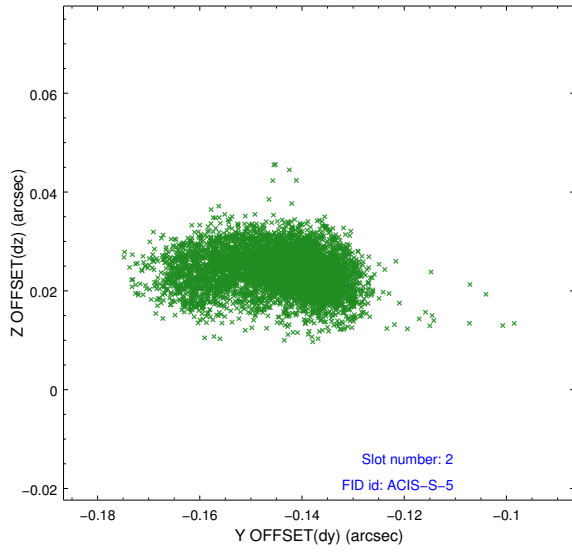
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.173

A.2 Comments

Joint proposal with HST.