

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8445 - L2 Version 2
Chandra X-Ray Center

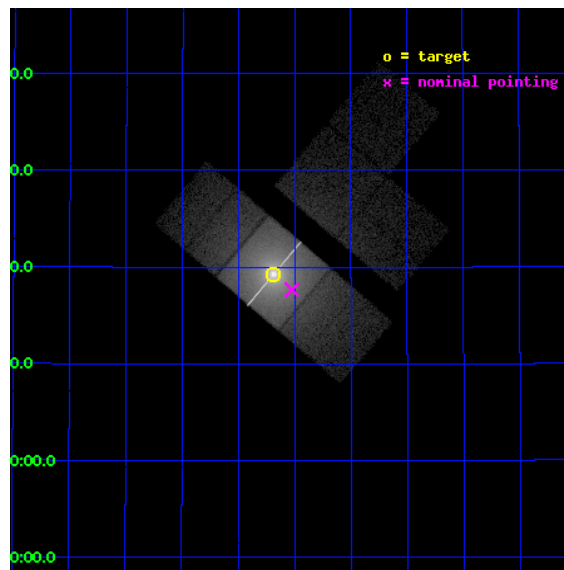
L2 Processing Date : May 1 2012

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1 Front

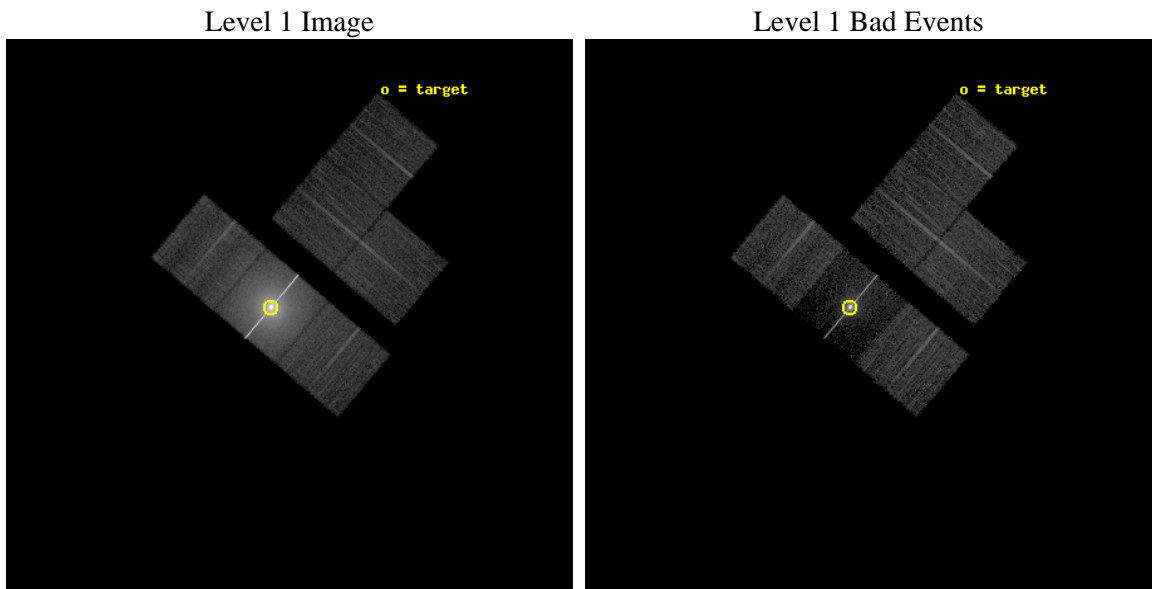
seq_num	900734	Sequence number
obs_id	8445	Observation id
title	Accurate Determination of the Dust-Scattering Halo Around Cyg X-2	
observer	Frederick Seward	Principal investigator
object	Cyg X-2	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	326.171667	Observer's specified target RA [deg]
dec_targ	38.321667	Observer's specified target Dec [deg]
ra_nom	326.13115657325	Nominal RA [deg]
dec_nom	38.294385817288	Nominal Dec [deg]
roll_nom	220.31837518151	Nominal Roll [deg]
revision	2	Processing version of data
ontime	6037.5506458879	Sum of GTIs [s]
livetime	5961.0995442331	Livetime [s]
ontime1	6037.5916858912	Sum of GTIs [s]
ontime2	6037.3864858747	Sum of GTIs [s]
ontime3	6037.4685658813	Sum of GTIs [s]
ontime6	6037.5096058846	Sum of GTIs [s]
ontime7	6037.5506458879	Sum of GTIs [s]
ontime8	6037.427525878	Sum of GTIs [s]
l2events	545118	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	6000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	6037.5506458879	Sum of GTIs [s]
caldbver	4.4.9	 	ontime1	6037.5916858912	Sum of GTIs [s]
date	2012-05-01T04:57:20	Date and time of file creation	ontime2	6037.3864858747	Sum of GTIs [s]
revision	2	Processing version of data	ontime3	6037.4685658813	Sum of GTIs [s]
			ontime6	6037.5096058846	Sum of GTIs [s]
			ontime7	6037.5506458879	Sum of GTIs [s]
			ontime8	6037.427525878	Sum of GTIs [s]
			l1events	841985	Number of level 1 events

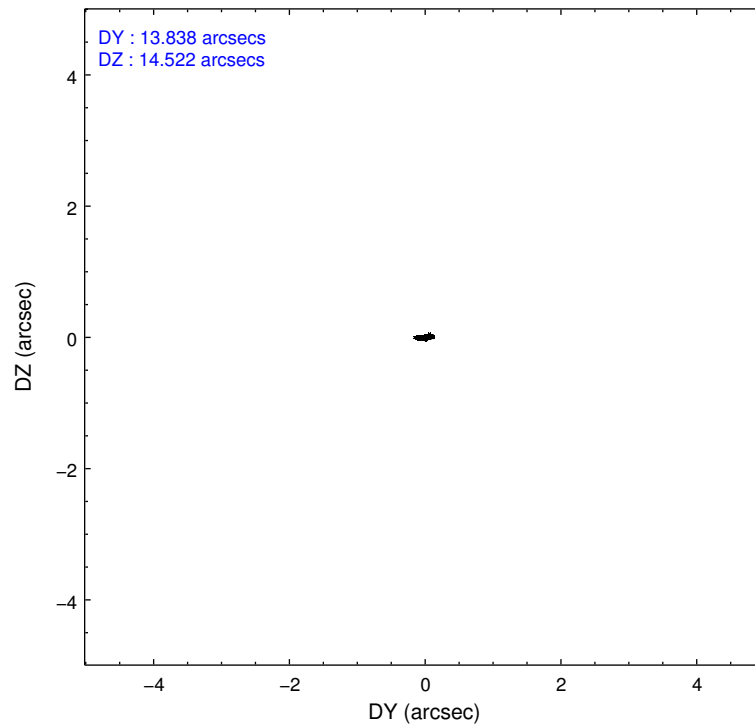
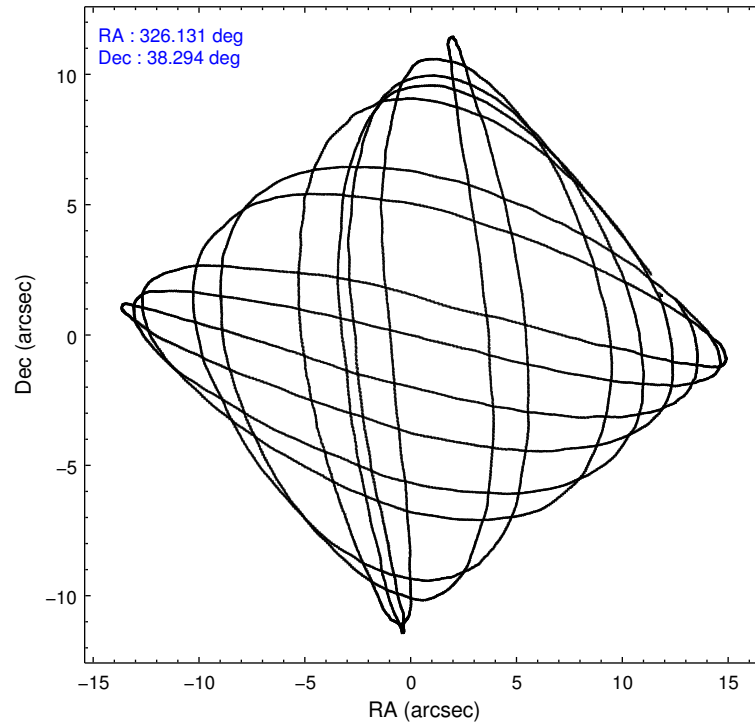
2.1.3 Events

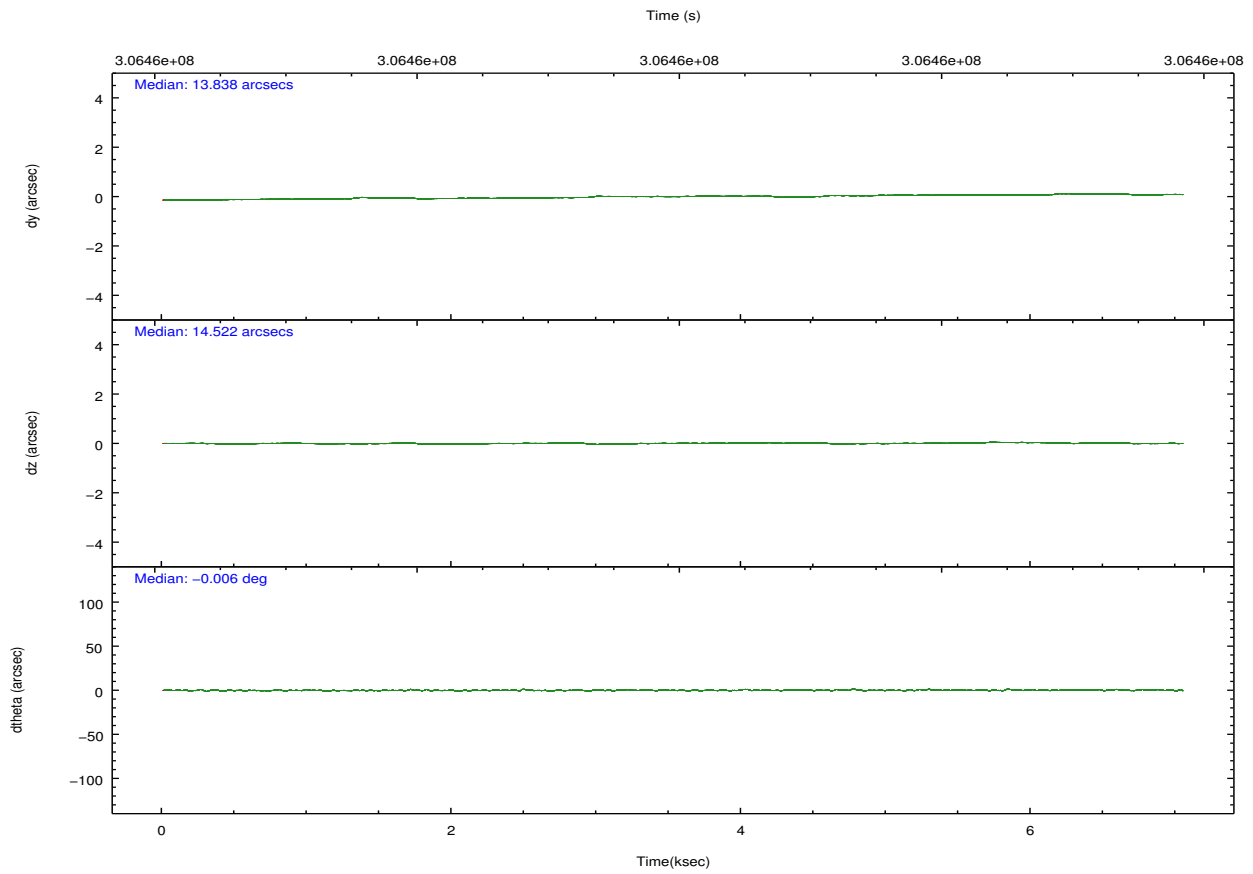
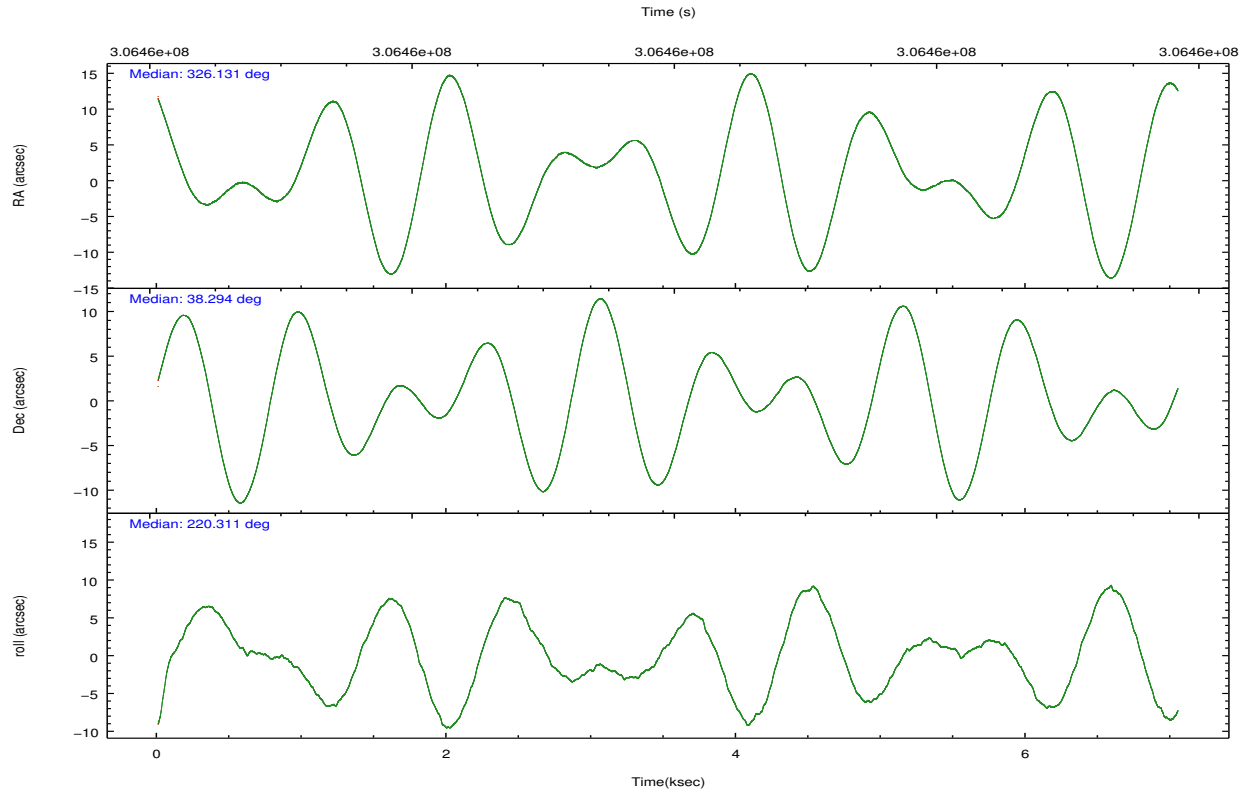
	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8		ccd 1	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	39489	50753	47178	63501	573279	67785	grade 0 events	2535	5465	7310	16731	97475	17890
rejected events	34258	41801	36110	39300	69350	35960		6%	10%	15%	26%	17%	26%
rejected %	86%	82%	76%	61%	12%	53%	grade 1 events	20	31	48	88	3043	78
								0%	0%	0%	0%	0%	0%
							grade 2 events	1080	1775	1745	4043	157410	5713
								2%	3%	3%	6%	27%	8%
							grade 3 events	460	511	588	959	45645	1952
								1%	1%	1%	1%	7%	2%
							grade 4 events	451	500	563	983	45460	1830
								1%	0%	1%	1%	7%	2%
							grade 5 events	680	517	687	730	14911	1252
								1%	1%	1%	1%	2%	1%
							grade 6 events	708	714	870	1497	158221	4459
								1%	1%	1%	2%	27%	6%
							grade 7 events	33555	41240	35367	38470	51114	34611
								84%	81%	74%	60%	8%	51%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-123678	ACIS-123678	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	326.142419	326.1311565732485	Subarray requested	NONE	NONE
[deg] Pointing Dec	38.320260	38.29438581728835	Alternating exposures requested	N	N
[deg] Pointing Roll	220.154760	220.3183751815144	[s] Primary exposure time	0.000000	3.2
[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)	306457473.184000	306456041.32722			
Observation start date	2007-09-17T23:03:28	2007-09-17T22:40:41			
[s] Observation end time (MET)	306463473.184000	306464260.80262			
Observation end date	2007-09-18T00:43:28	2007-09-18T00:57:40			
Read mode	TIMED	TIMED			

2.3 Aspect



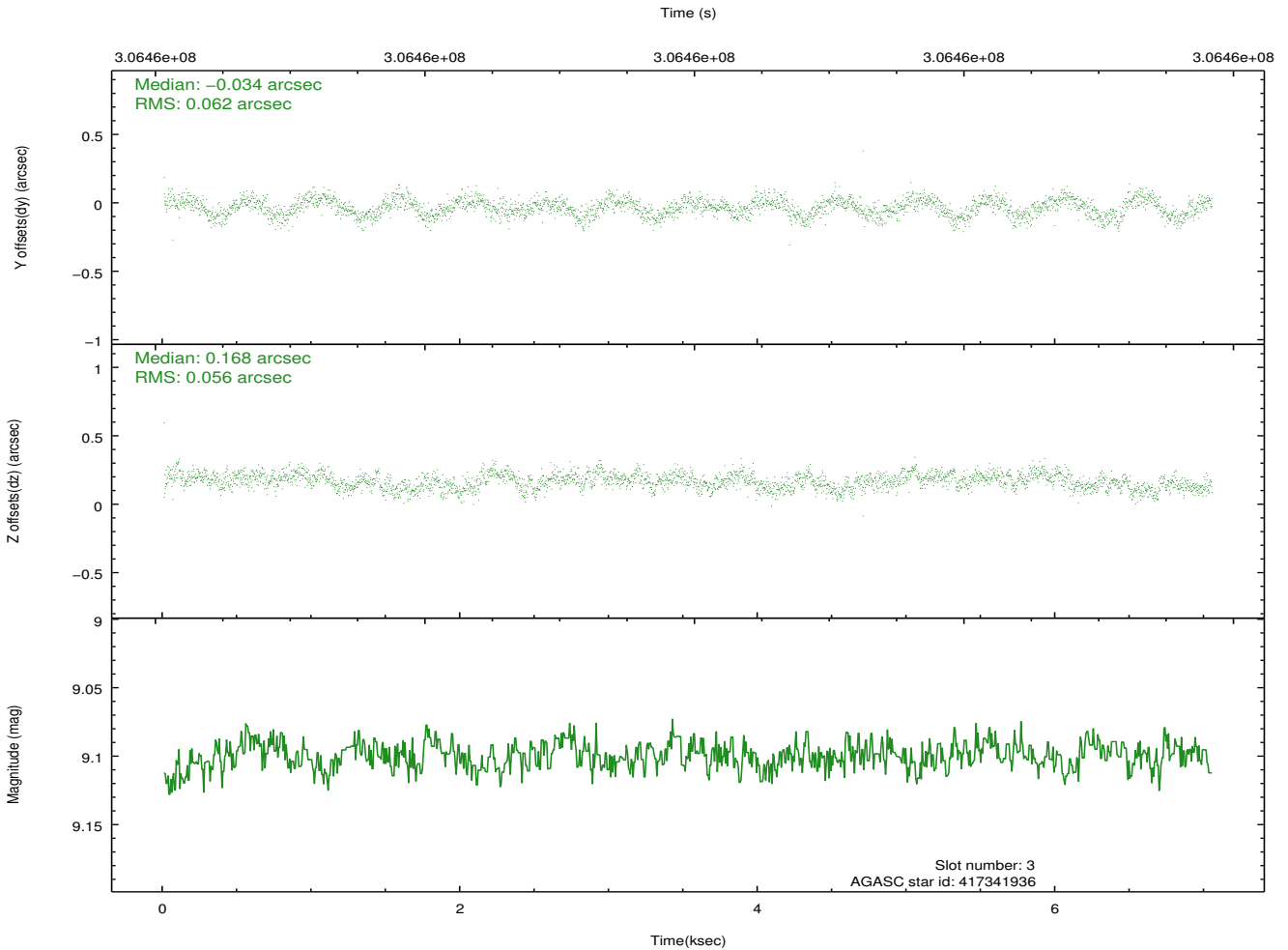
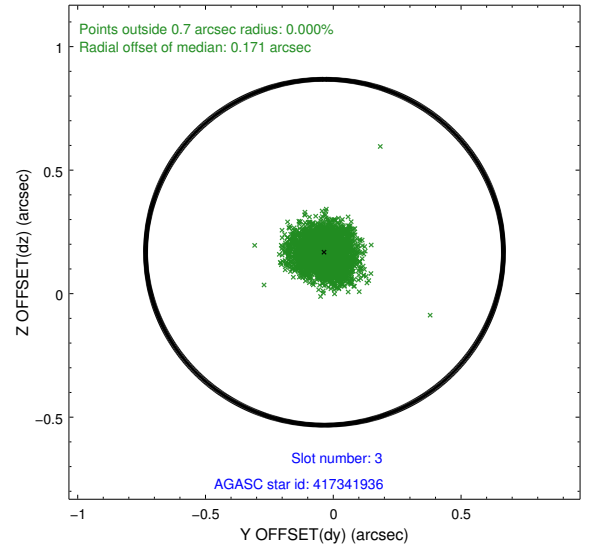
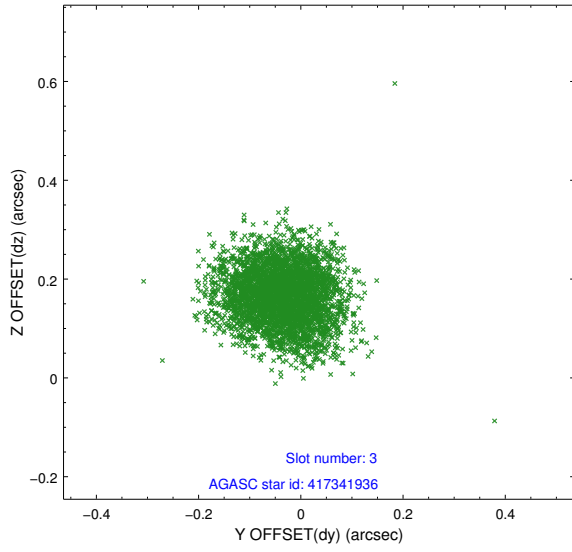


Slot Statistics

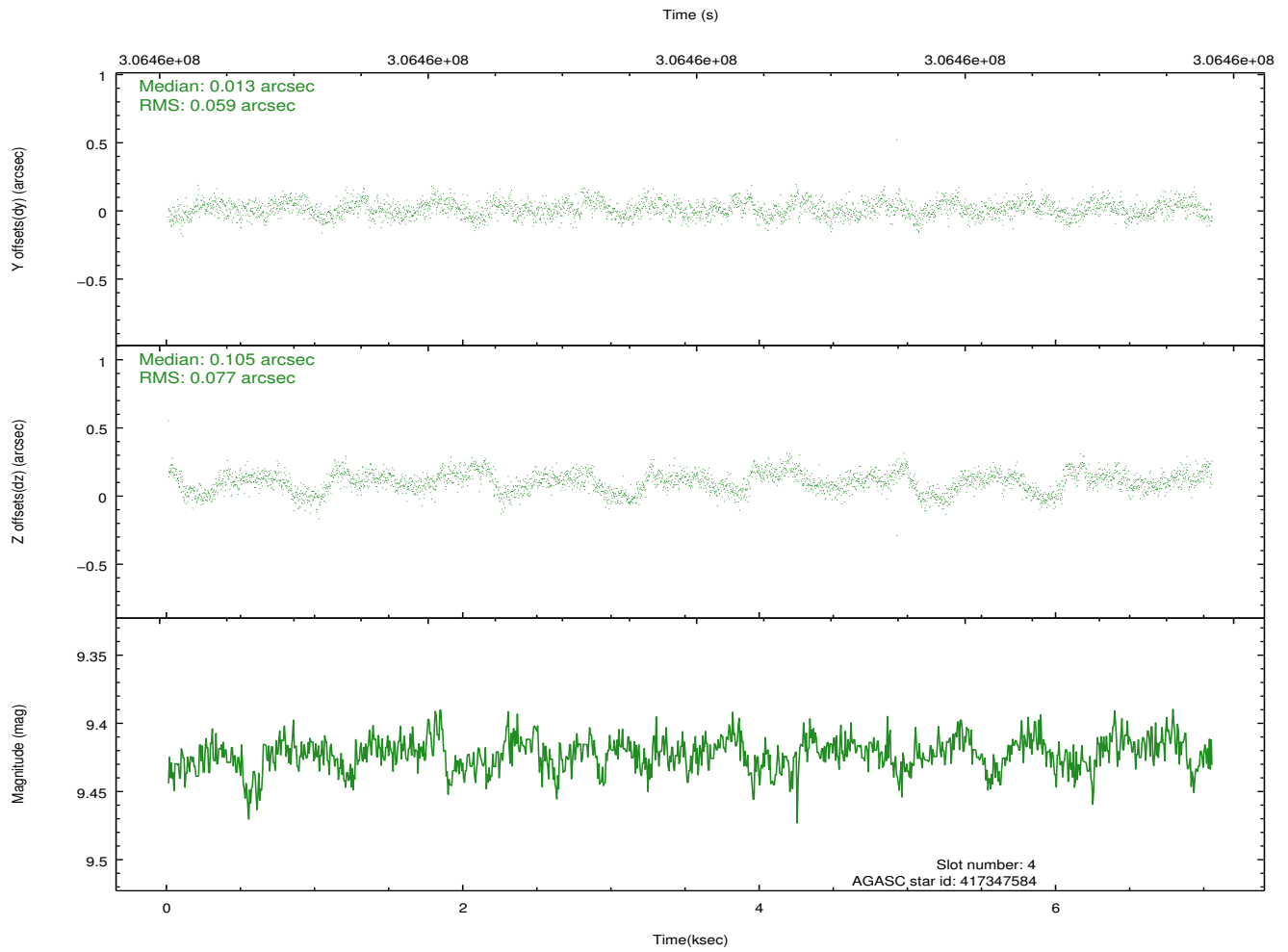
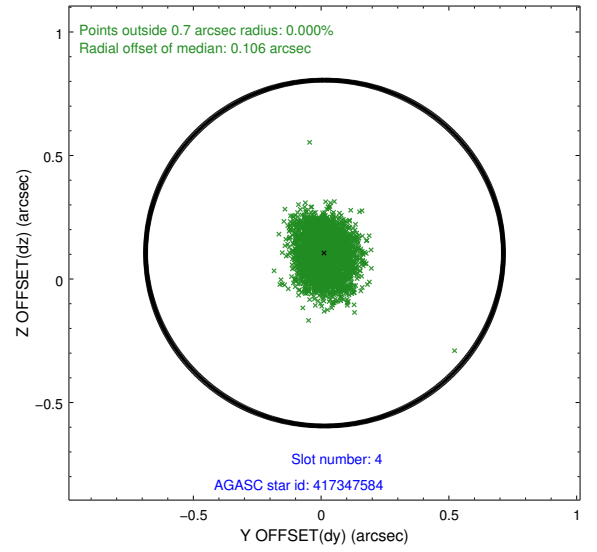
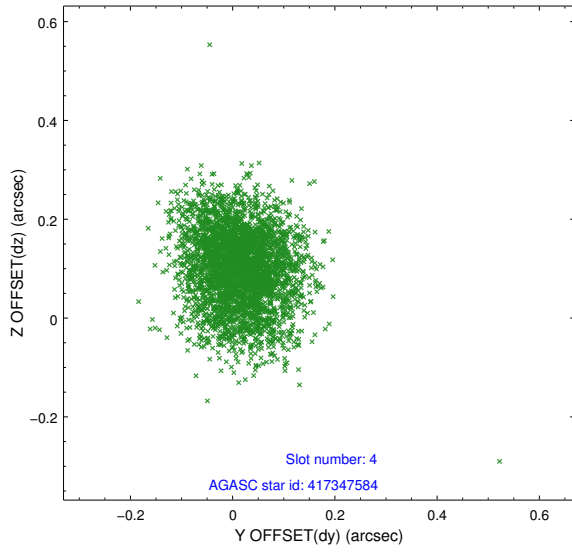
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	1719	0.071	-0.037	0.006	0.011	0.000000	0.000000	929.36	-1731.54
1	FID	ACIS-S-5	7.23	1719	-0.154	0.042	0.007	0.011	0.000000	0.000000	-1819.42	165.21
2	FID	ACIS-S-6	7.33	1716	0.061	0.007	0.007	0.013	0.000000	0.000000	393.99	810.09
3	GUIDE	417341936	9.10	3435	-0.034	0.168	0.089	0.140	326.275716	38.441212	-568.01	-90.22
4	GUIDE	417347584	9.42	3431	0.013	0.105	0.103	0.164	326.789051	38.342651	-1451.60	1111.10
5	GUIDE	417348152	8.97	3434	0.078	-0.158	0.085	0.147	326.316862	38.327313	-393.34	298.37
6	GUIDE	417348376	8.21	3433	-0.032	0.010	0.058	0.094	325.737694	38.184491	1189.75	-366.32
7	GUIDE	417351928	7.77	3432	-0.022	-0.120	0.063	0.098	326.969486	38.210974	-1540.69	1801.29

2.4 Star Slots

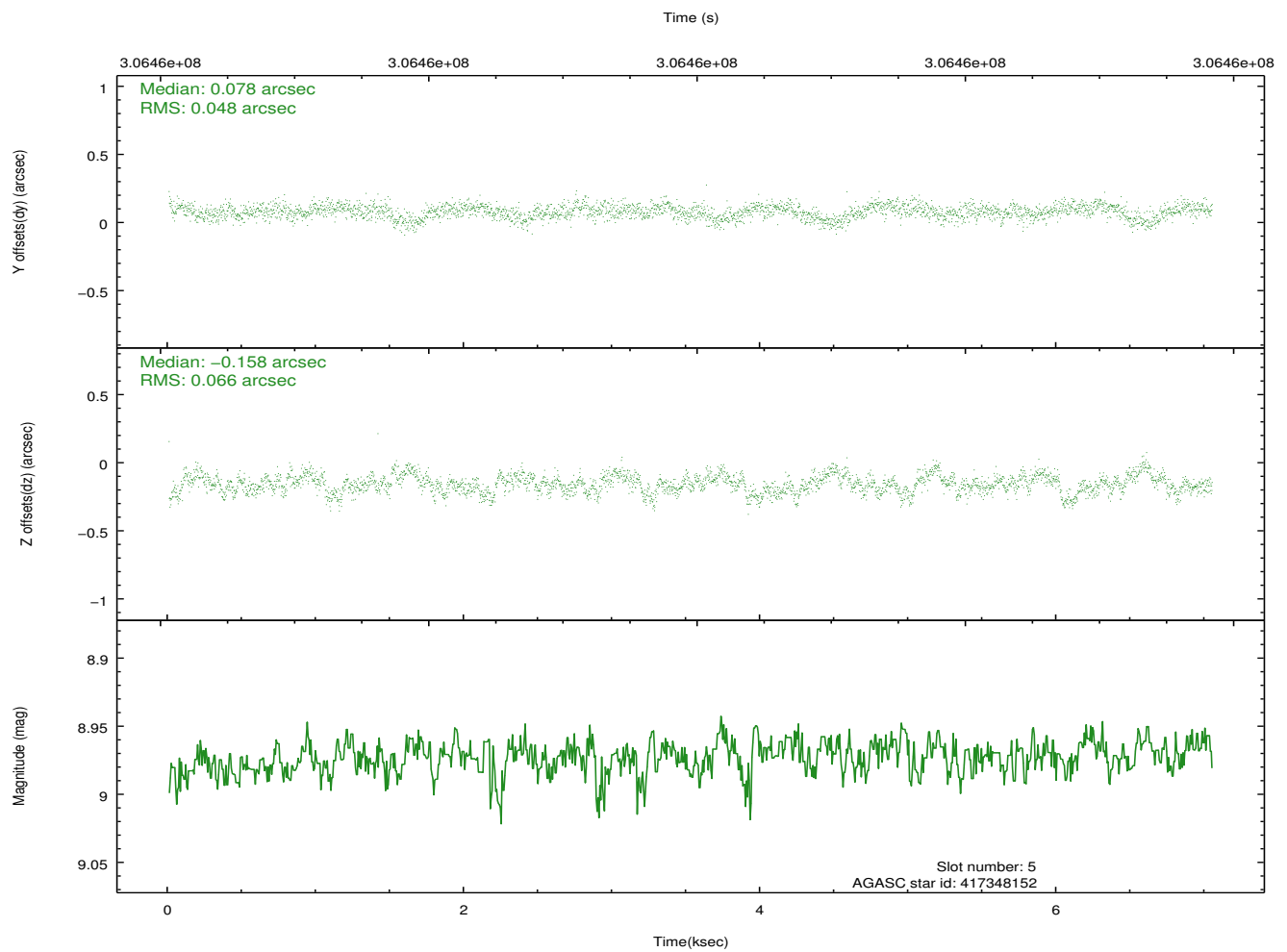
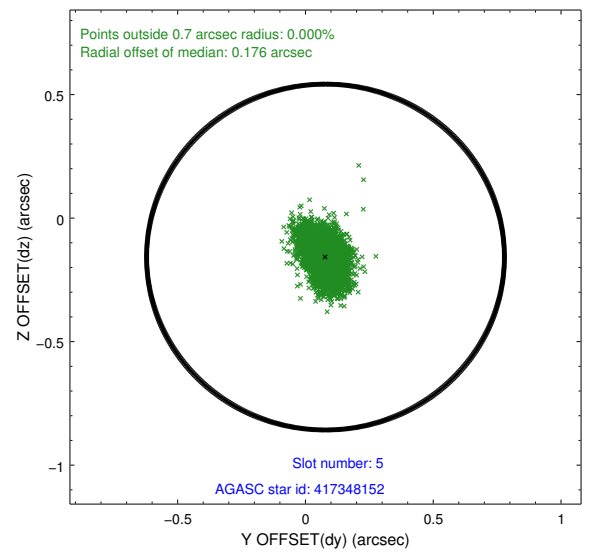
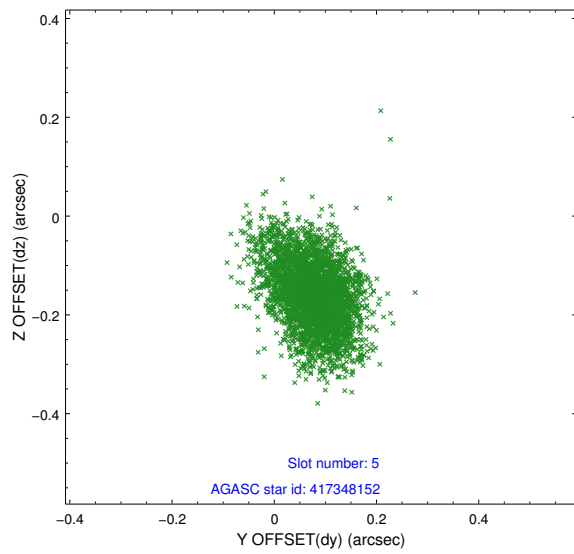
2.4.1 Slot 3



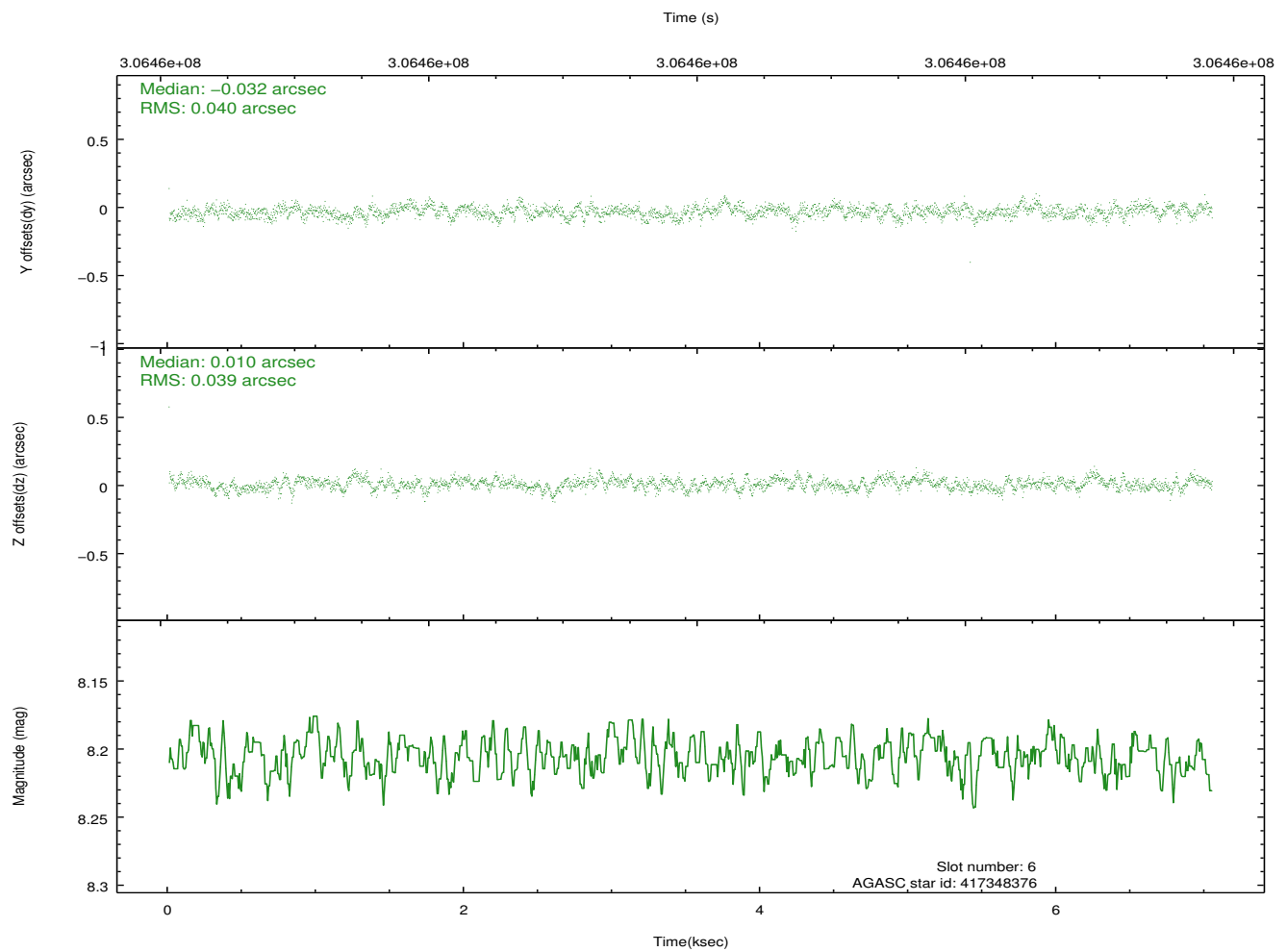
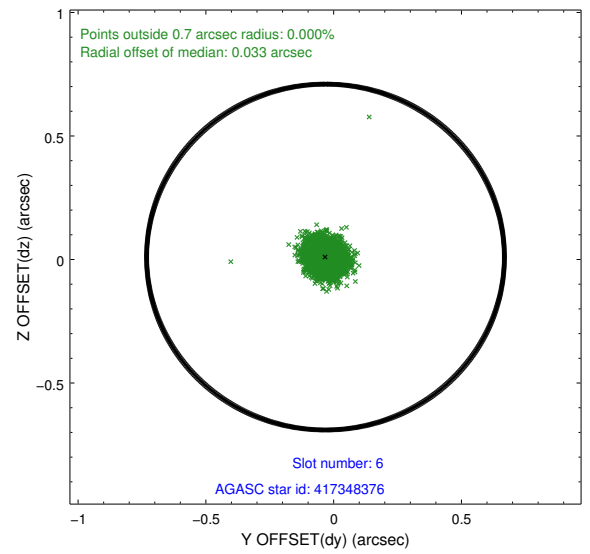
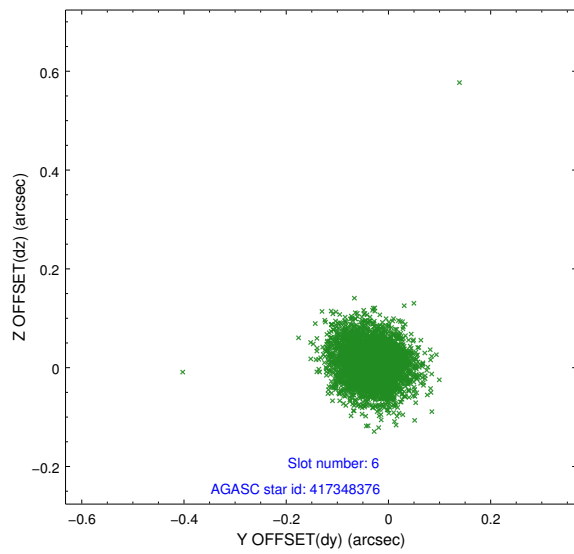
2.4.2 Slot 4



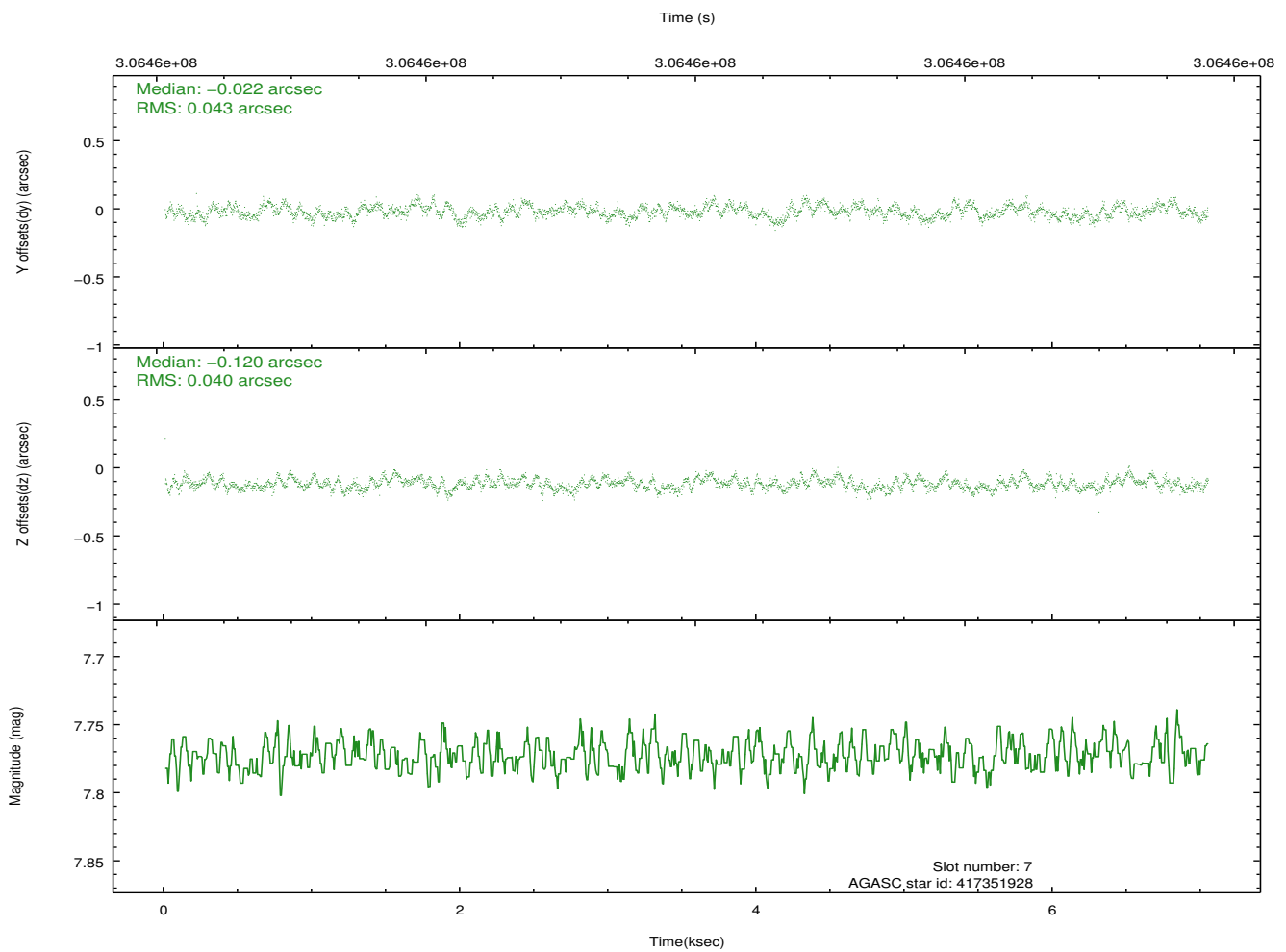
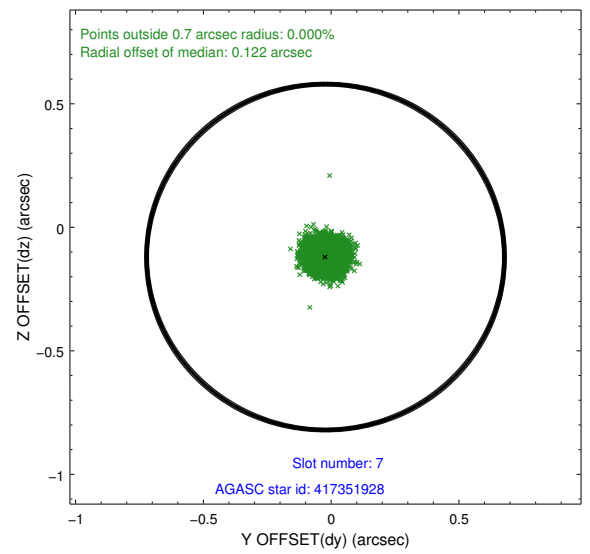
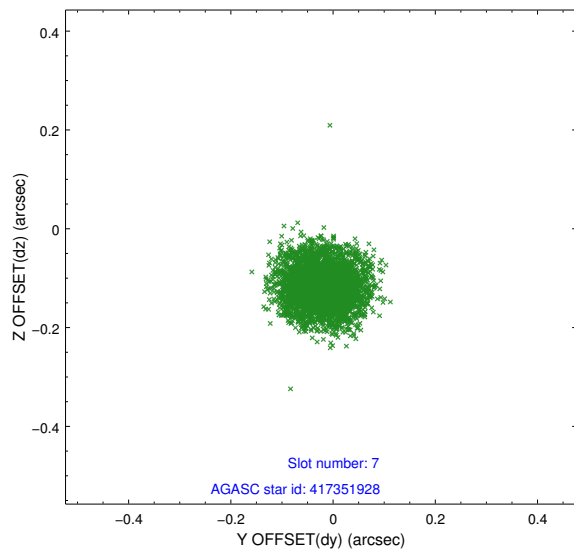
2.4.3 Slot 5



2.4.4 Slot 6

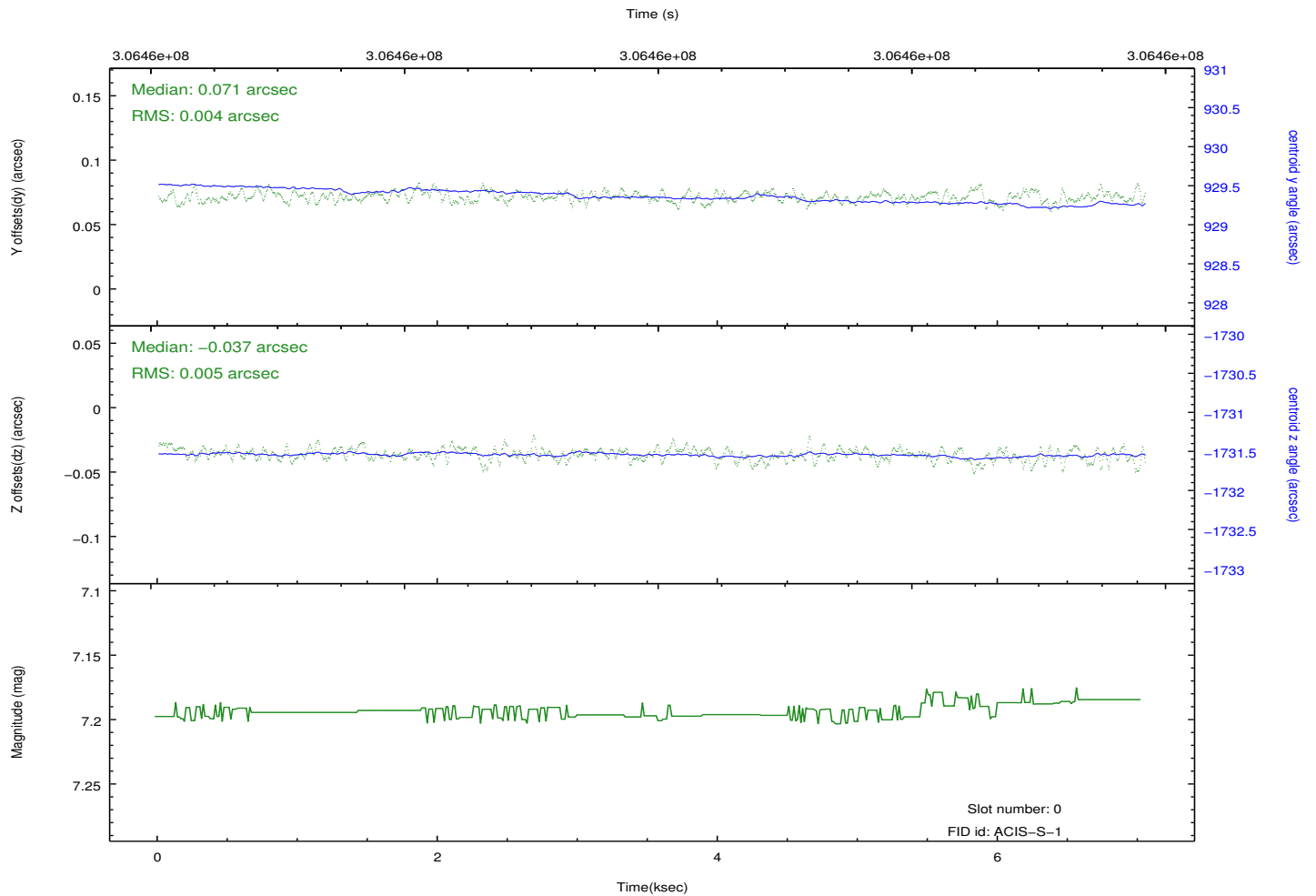
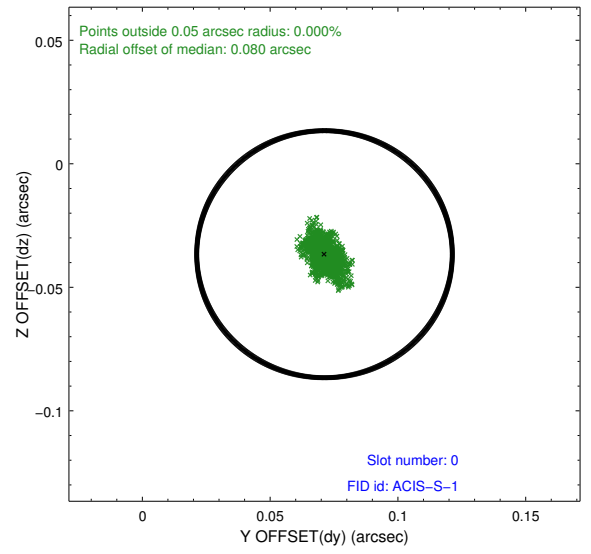
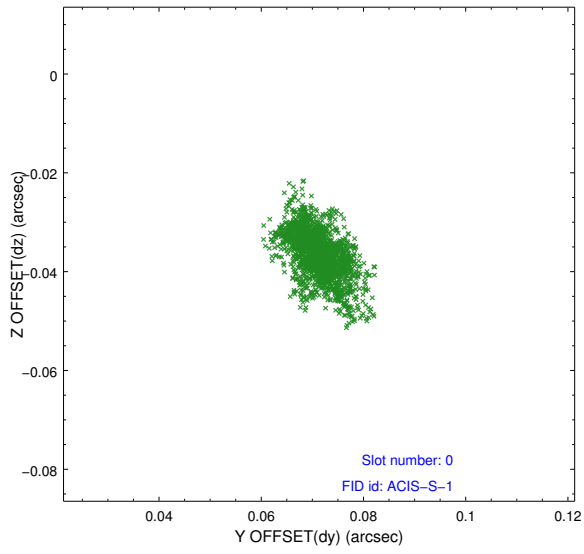


2.4.5 Slot 7

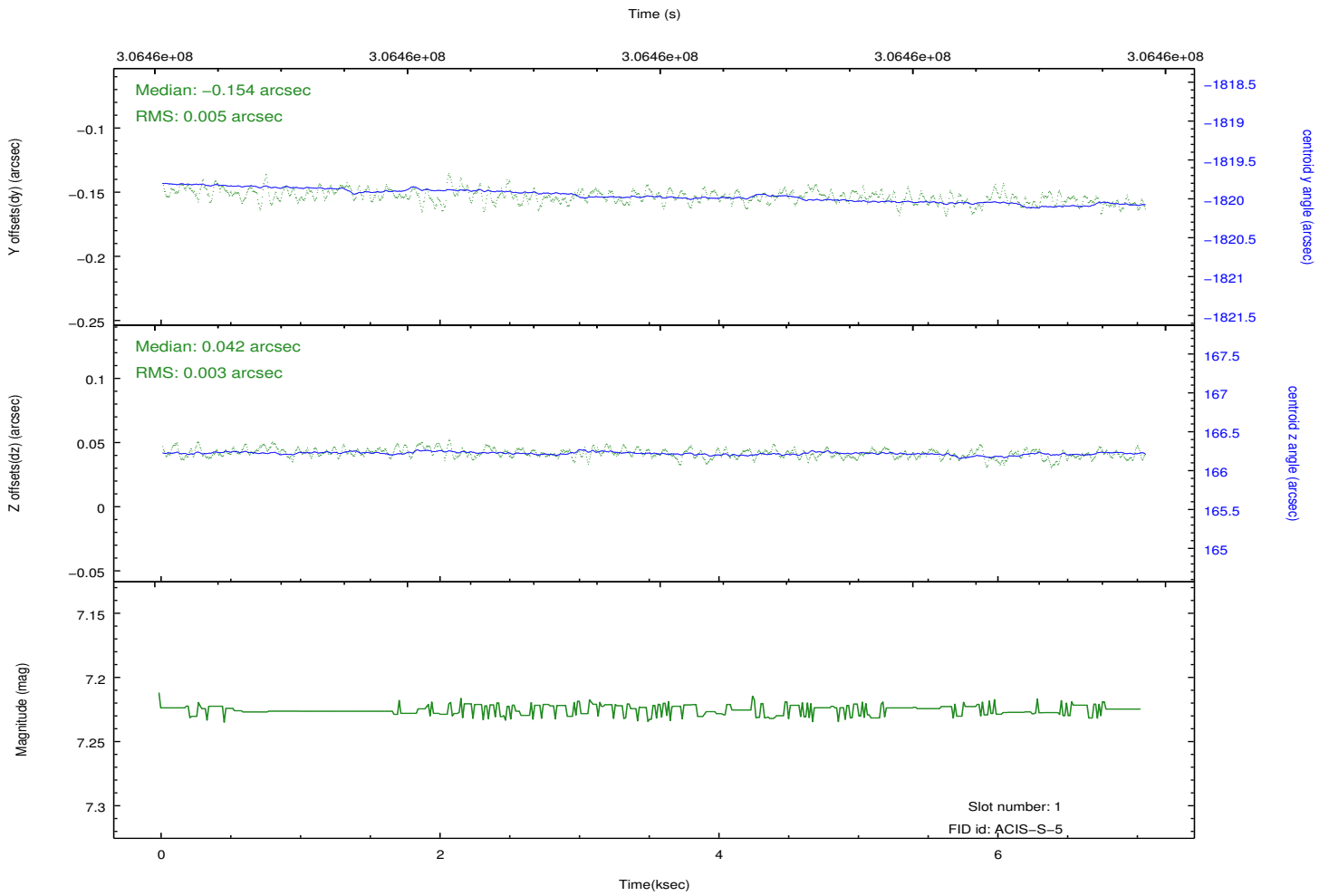
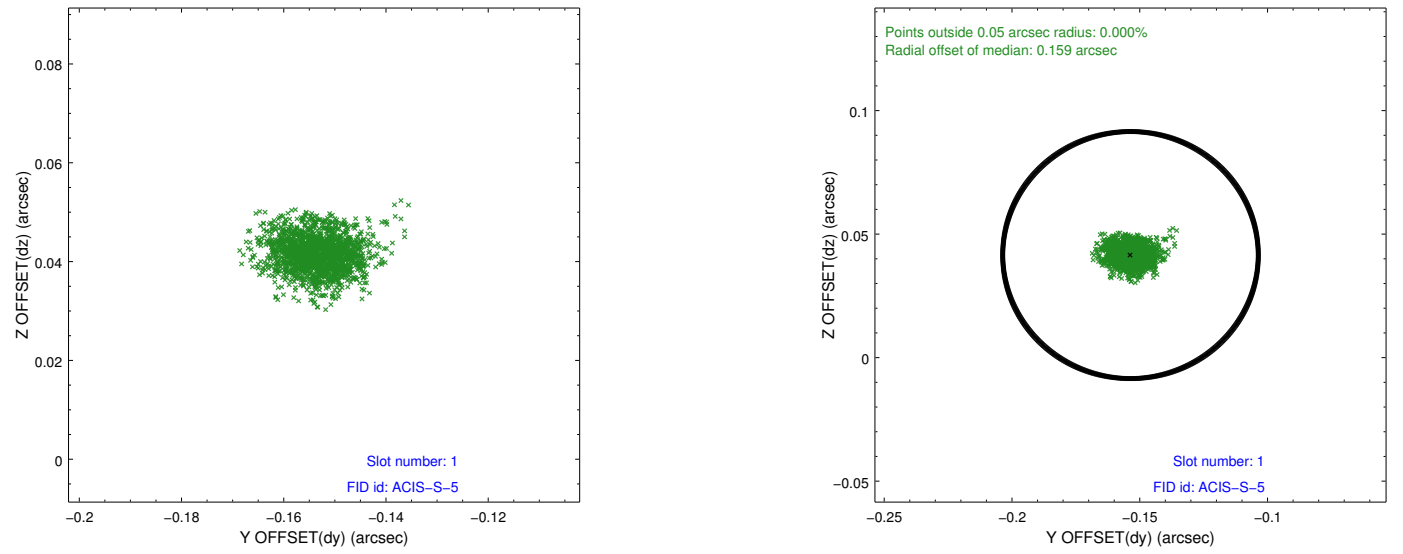


2.5 FID Slots

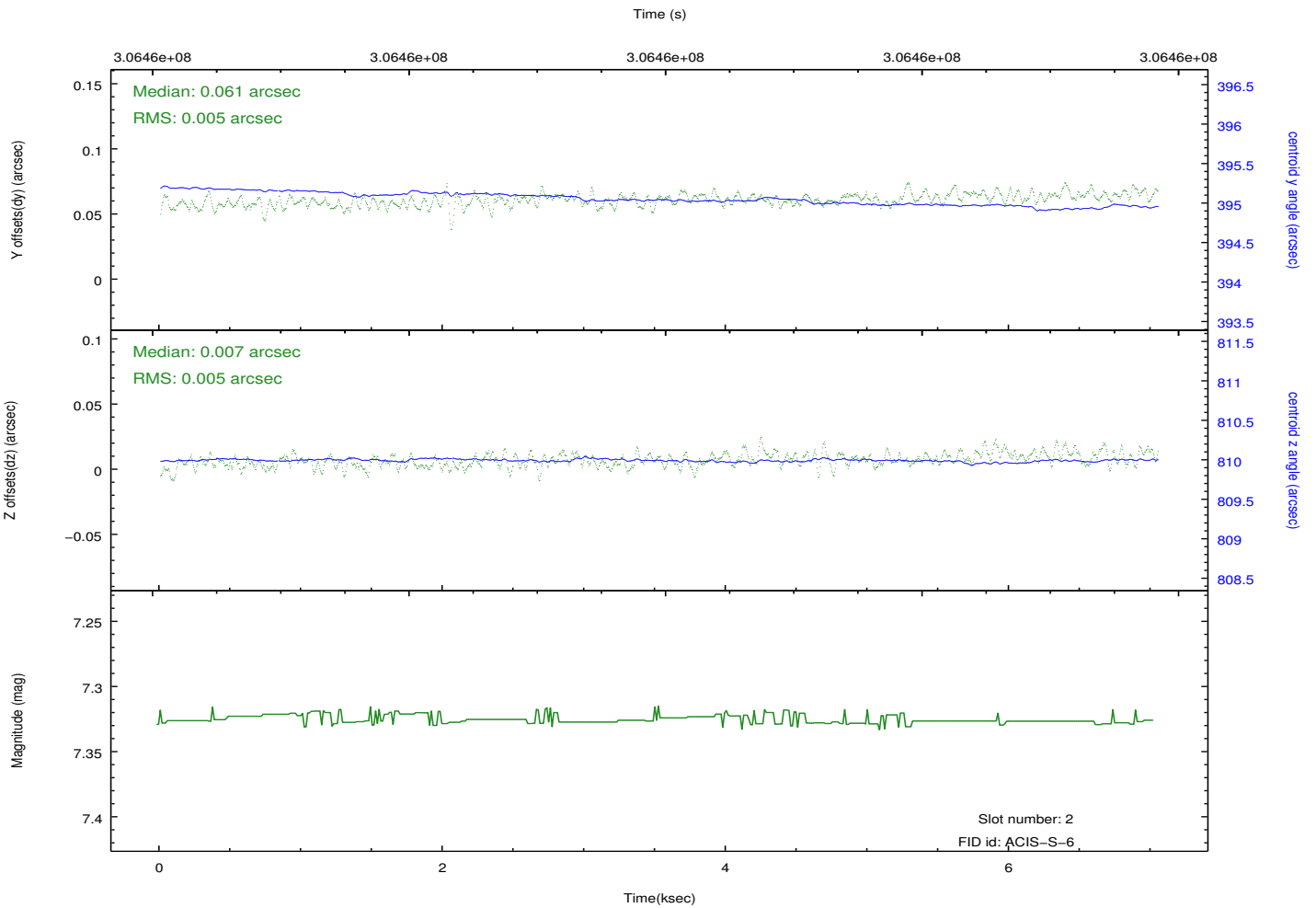
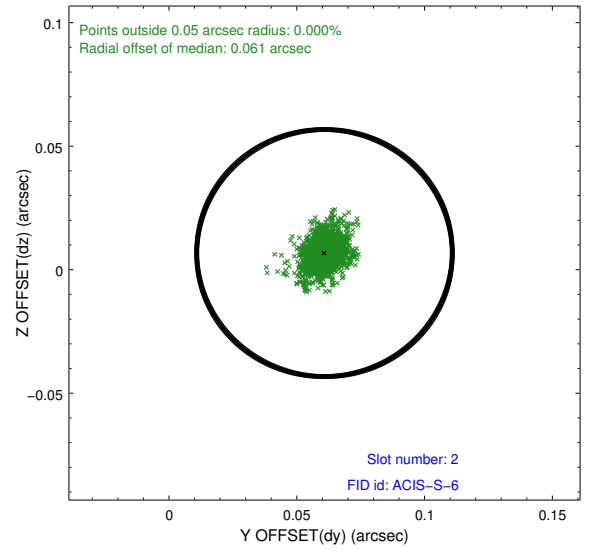
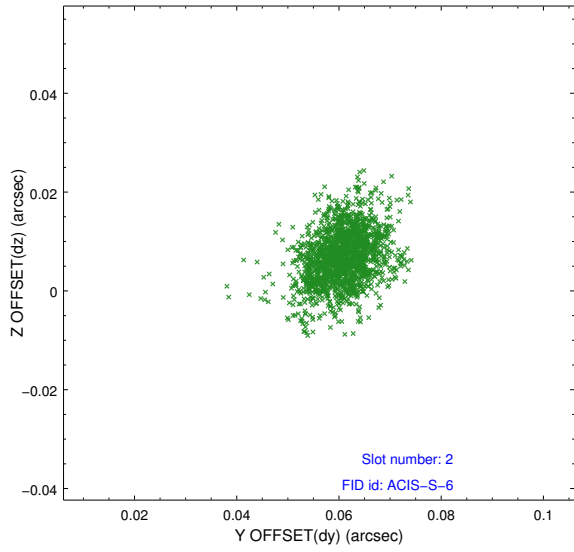
2.5.1 Slot 0



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)	2012.05.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.03839997

A.2 Comments