

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2014 - L2 Version 3
Chandra X-Ray Center

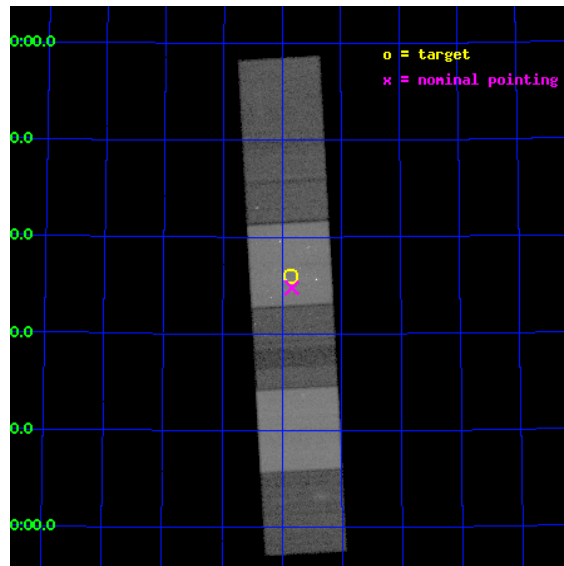
L2 Processing Date : Sep 15 2012

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1 Front

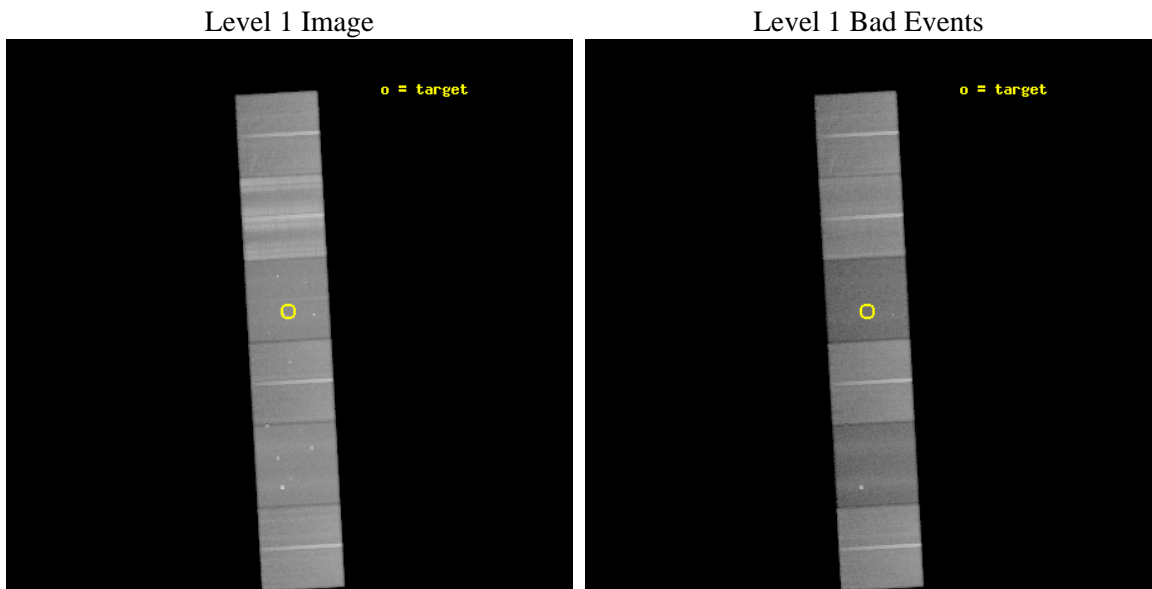
seq_num	600148	Sequence number
obs_id	2014	Observation id
title	THE `EFFERVESCENT' SPIRAL GALAXY NGC2403	Proposal title
observer	DR MASSIMO CAPPI	Principal investigator
object	NGC2403	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	114.21625	Observer's specified target RA [deg]
dec_targ	65.600167	Observer's specified target Dec [deg]
ra_nom	114.20913889971	Nominal RA [deg]
dec_nom	65.579502661469	Nominal Dec [deg]
roll_nom	266.79426799464	Nominal Roll [deg]
revision	3	Processing version of data
ontime	36051.159073308	Sum of GTIs [s]
livetime	35594.65758972	Livetime [s]
ontime4	36051.159083322	Sum of GTIs [s]
ontime5	36051.159073308	Sum of GTIs [s]
ontime6	36054.400033563	Sum of GTIs [s]
ontime7	36051.159073308	Sum of GTIs [s]
ontime8	36041.436172679	Sum of GTIs [s]
ontime9	36041.436282337	Sum of GTIs [s]
l2events	629138	Number of level 2 events



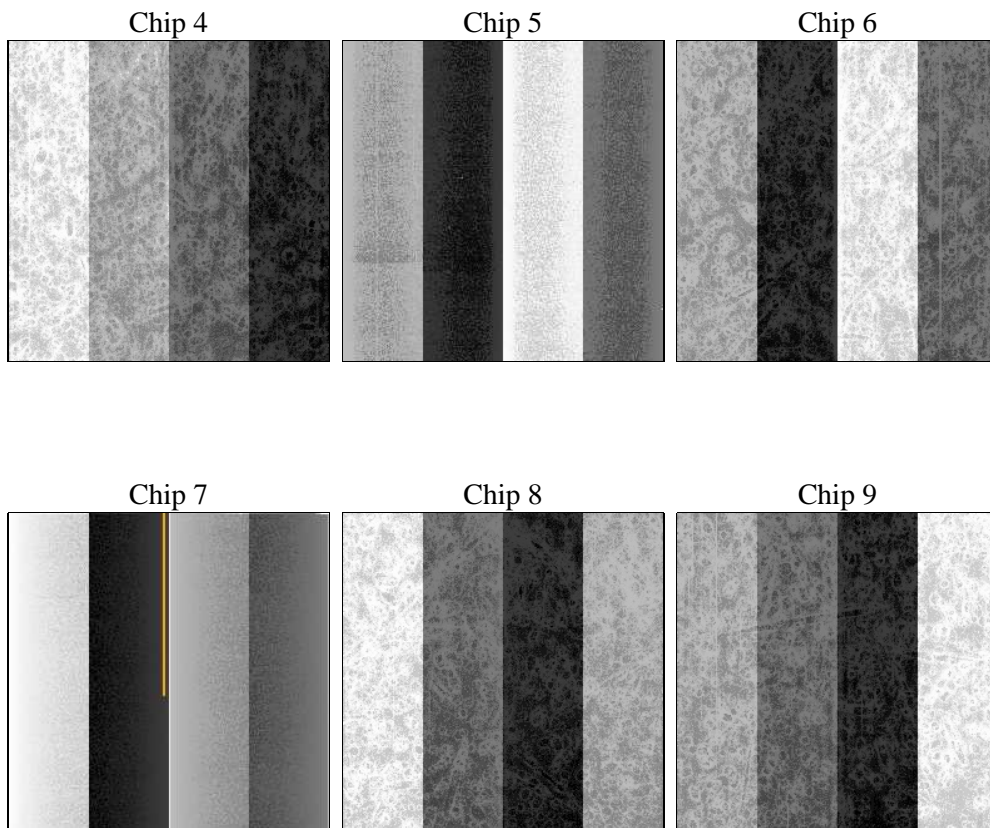
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	36000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	36051.159073308	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime4	36051.159083322	Sum of GTIs [s]
date	2012-09-15T15:22:12	Date and time of file creation	ontime5	36051.159073308	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	36054.400033563	Sum of GTIs [s]
			ontime7	36051.159073308	Sum of GTIs [s]
			ontime8	36041.436172679	Sum of GTIs [s]
			ontime9	36041.436282337	Sum of GTIs [s]
			l1events	3230043	Number of level 1 events

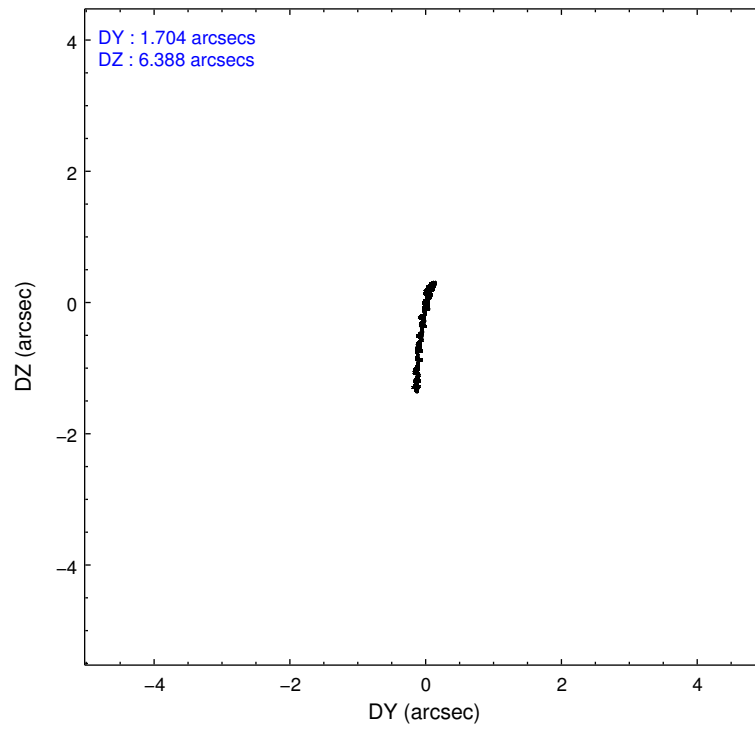
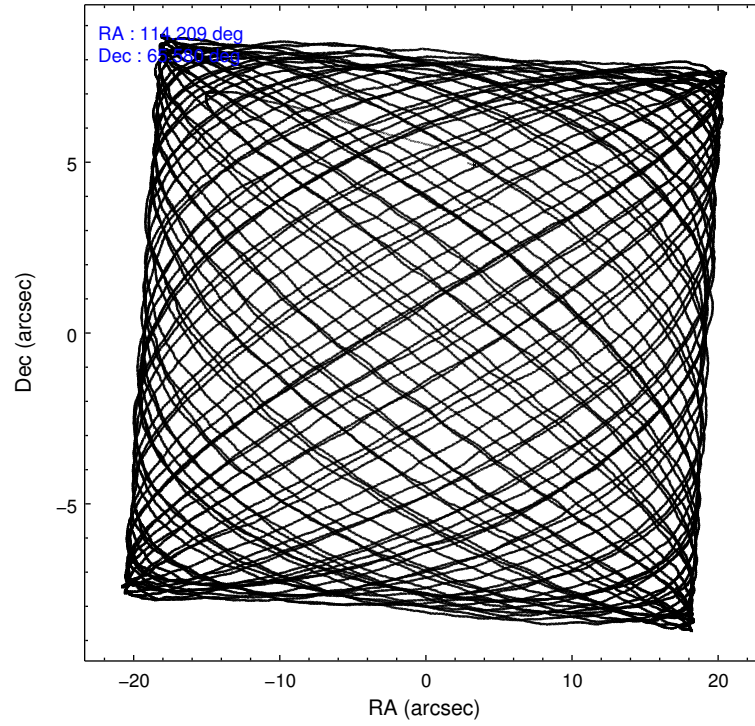
2.1.4 Events

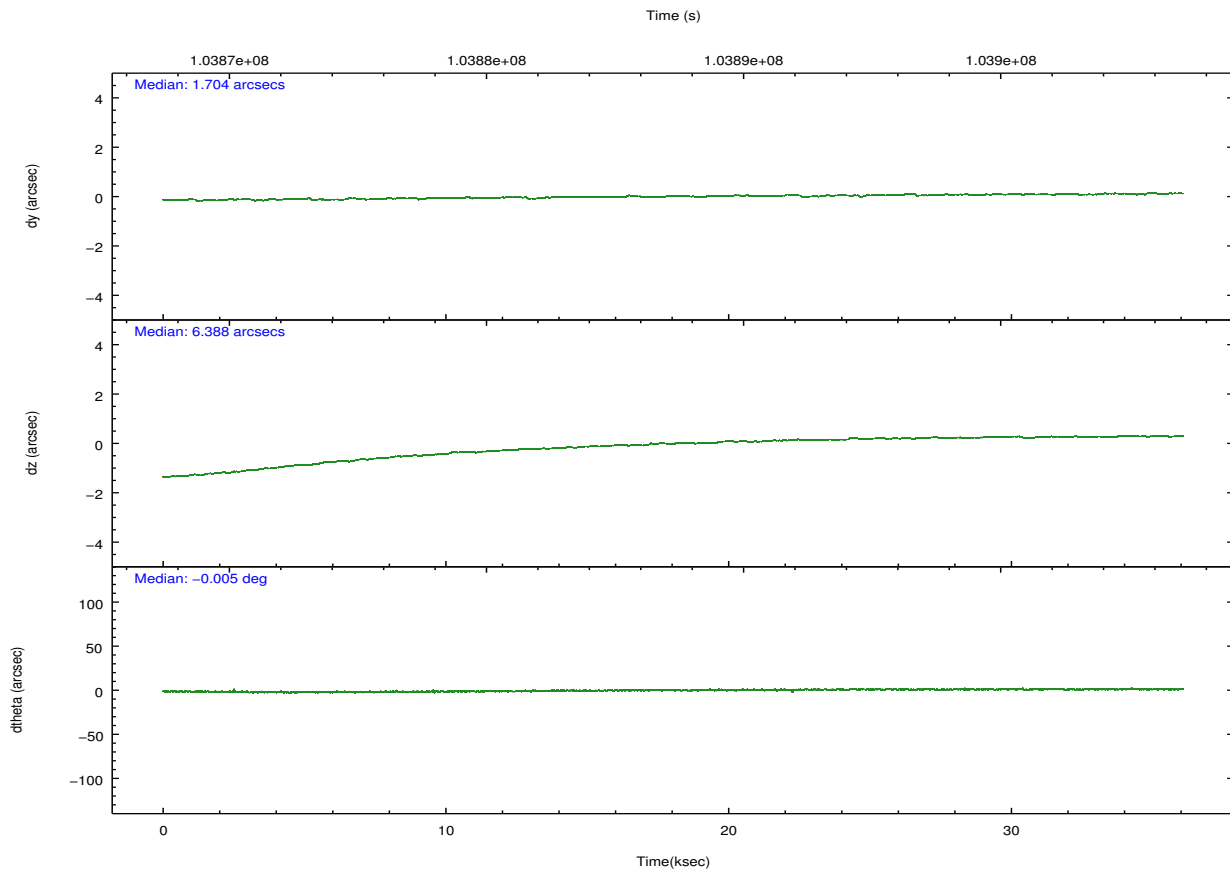
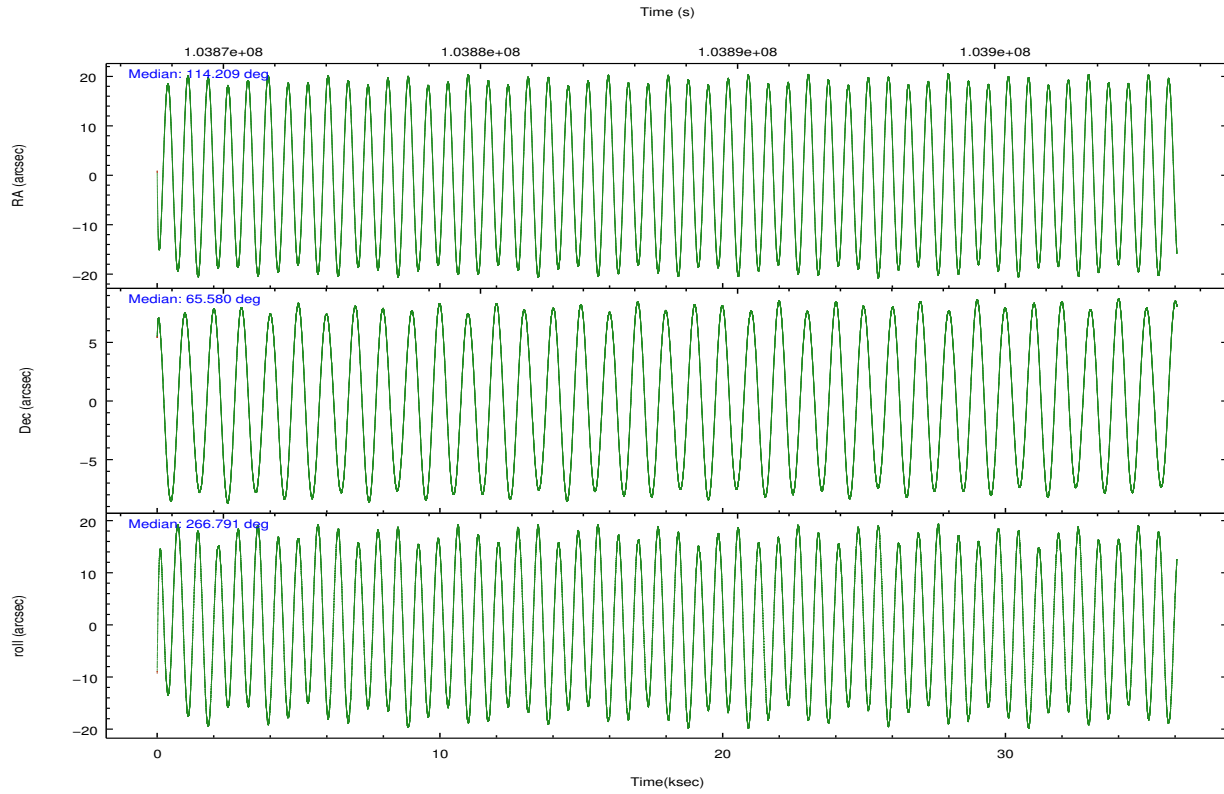
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	572080	443916	504769	396017	841922	471339	grade 0 events	35431	24425	29940	25301	127339	28431
rejected events	495382	214281	441191	187304	462213	407728		6%	5%	5%	6%	15%	6%
rejected %	86%	48%	87%	47%	54%	86%	grade 1 events	483	1125	286	677	1314	278
								0%	0%	0%	0%	0%	0%
							grade 2 events	21355	78991	14730	48066	57598	15665
								3%	17%	2%	12%	6%	3%
							grade 3 events	4660	12857	4441	19571	63390	4578
								0%	2%	0%	4%	7%	0%
							grade 4 events	4638	11457	4329	19056	55959	4364
								0%	2%	0%	4%	6%	0%
							grade 5 events	8287	31129	9608	31093	16781	9678
								1%	7%	1%	7%	1%	2%
							grade 6 events	10703	102243	10234	96992	76029	10671
								1%	23%	2%	24%	9%	2%
							grade 7 events	486523	181689	431201	155261	443512	397674
								85%	40%	85%	39%	52%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	114.178770	114.2091388997082	Subarray requested	NONE	NONE
[deg] Pointing Dec	65.603743	65.57950266146949	Alternating exposures requested	N	N
[deg] Pointing Roll	266.665302	266.7942679946361	[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)	103869288.184000	103868297.14265			
Observation start date	2001-04-17T04:33:44	2001-04-17T04:18:17			
[s] Observation end time (MET)	103905288.184000	103906510.16913			
Observation end date	2001-04-17T14:33:44	2001-04-17T14:55:10			
Read mode	TIMED	TIMED			

2.3 Aspect



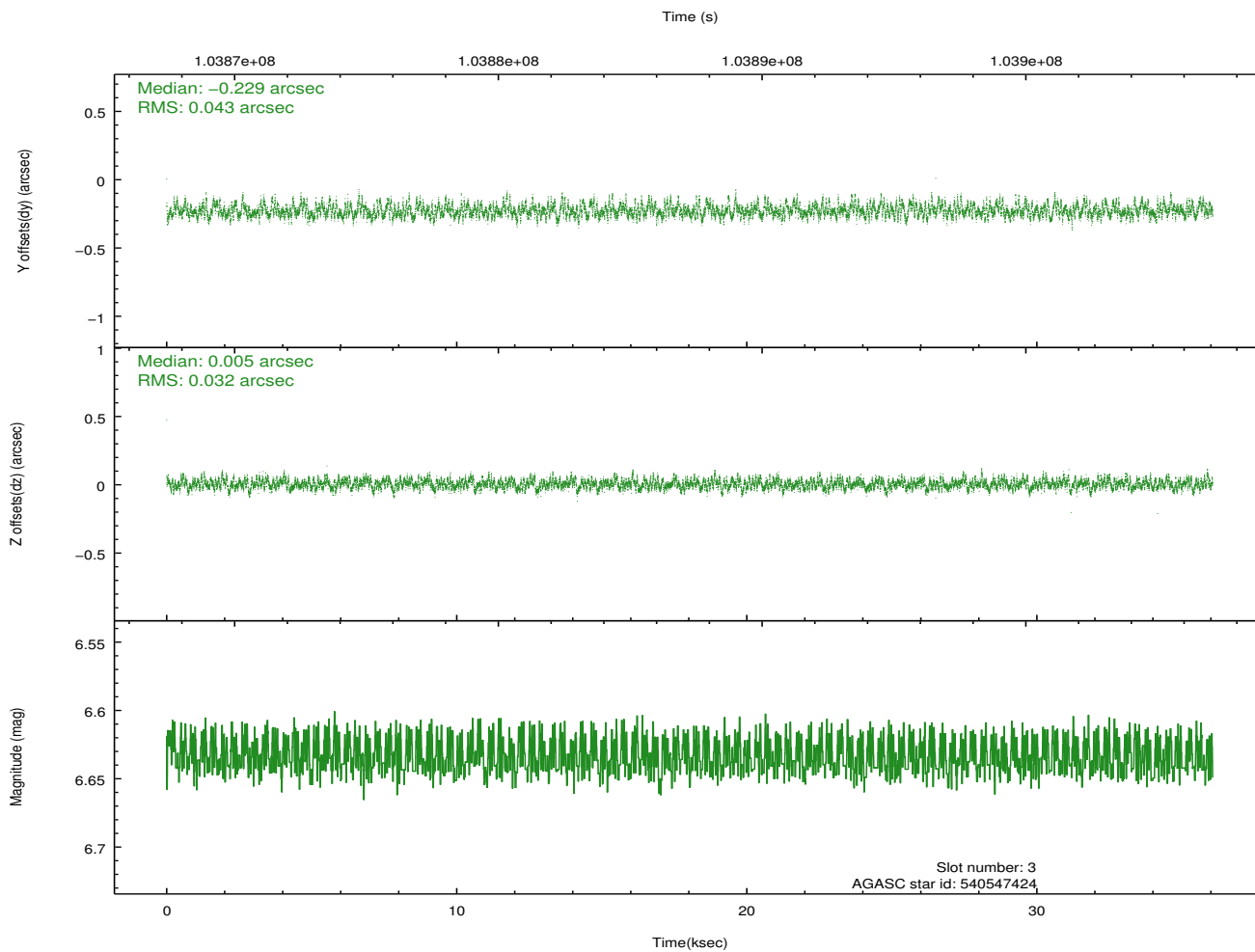
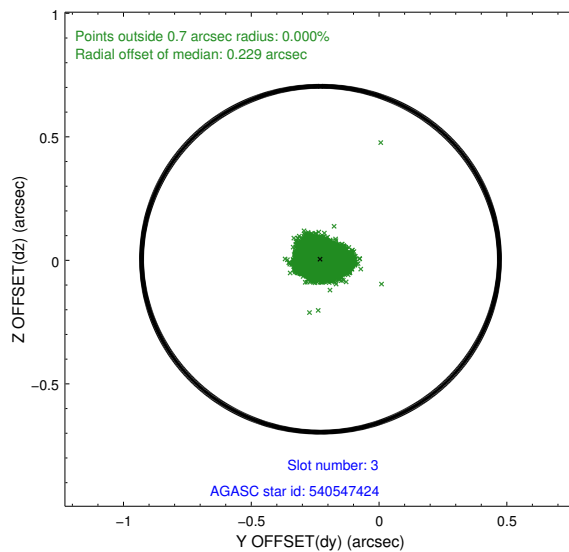
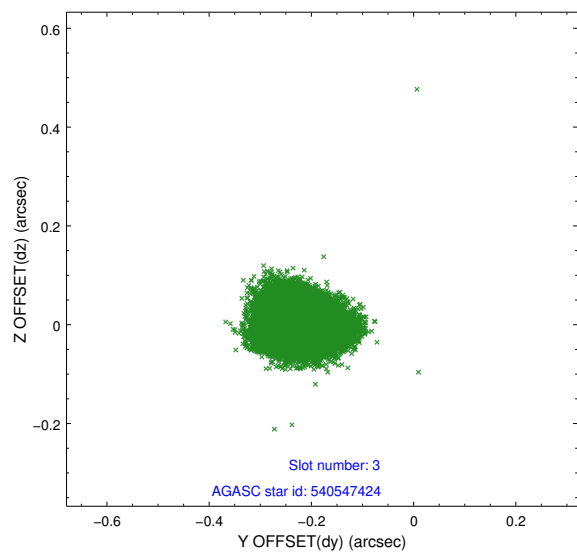


Slot Statistics

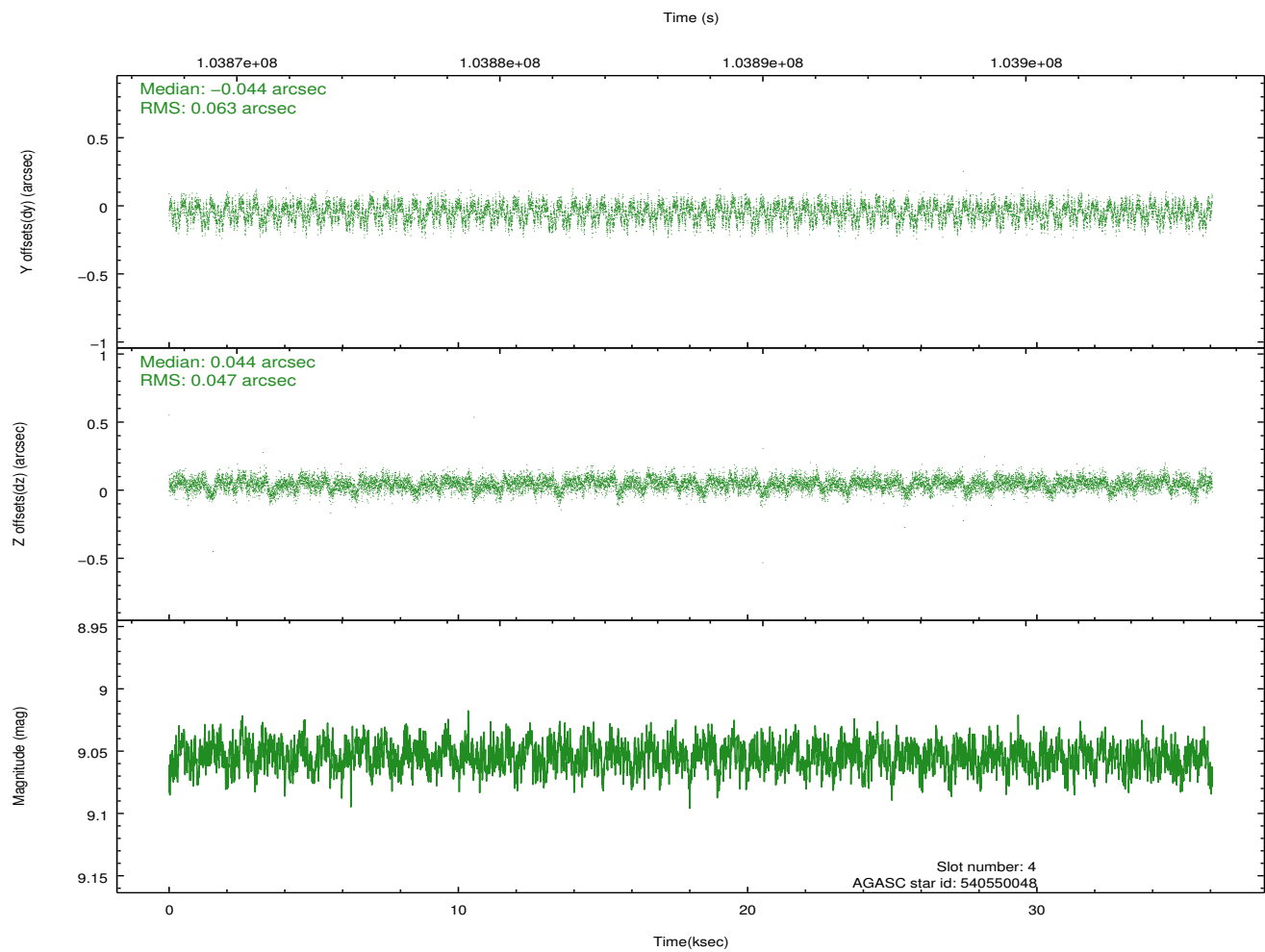
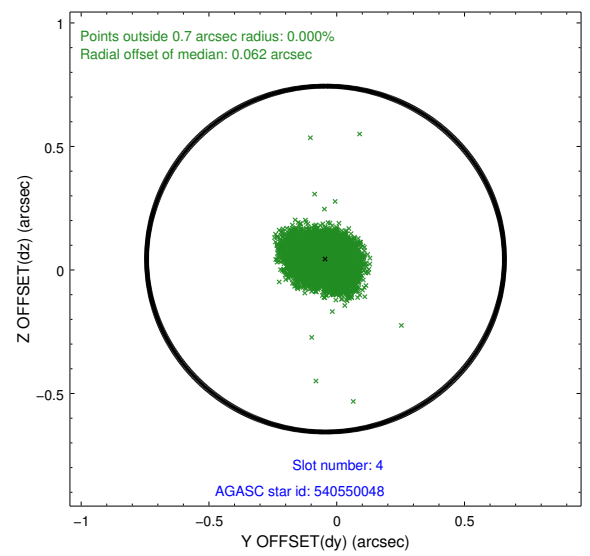
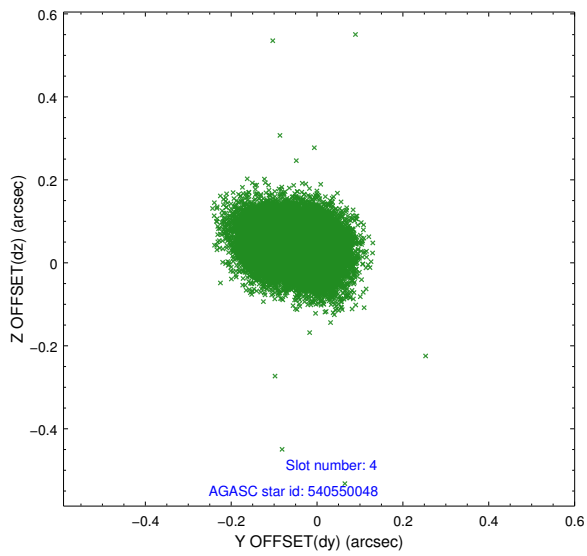
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	8796	-0.033	0.005	0.009	0.014	0.000000	0.000000	-754.32	-1727.35
1	FID	ACIS-S-4	7.20	8794	-0.045	0.014	0.010	0.017	0.000000	0.000000	2158.91	181.15
2	FID	ACIS-S-5	7.24	8793	0.047	-0.011	0.008	0.013	0.000000	0.000000	-1807.06	174.78
3	GUIDE	540547424	6.63	17588	-0.229	0.005	0.057	0.091	114.620112	66.235167	-2308.50	506.41
4	GUIDE	540550048	9.05	17575	-0.044	0.044	0.084	0.133	115.553624	65.846827	-1013.34	1969.12
5	GUIDE	540021128	8.39	17573	0.135	0.002	0.061	0.097	114.291258	65.330448	972.77	225.78
6	GUIDE	540548768	8.52	17585	0.043	0.053	0.057	0.095	113.788166	65.673634	-218.57	-593.36
7	GUIDE	540021904	8.74	17585	0.097	-0.102	0.057	0.092	114.203372	65.242134	1297.99	112.34

2.4 Star Slots

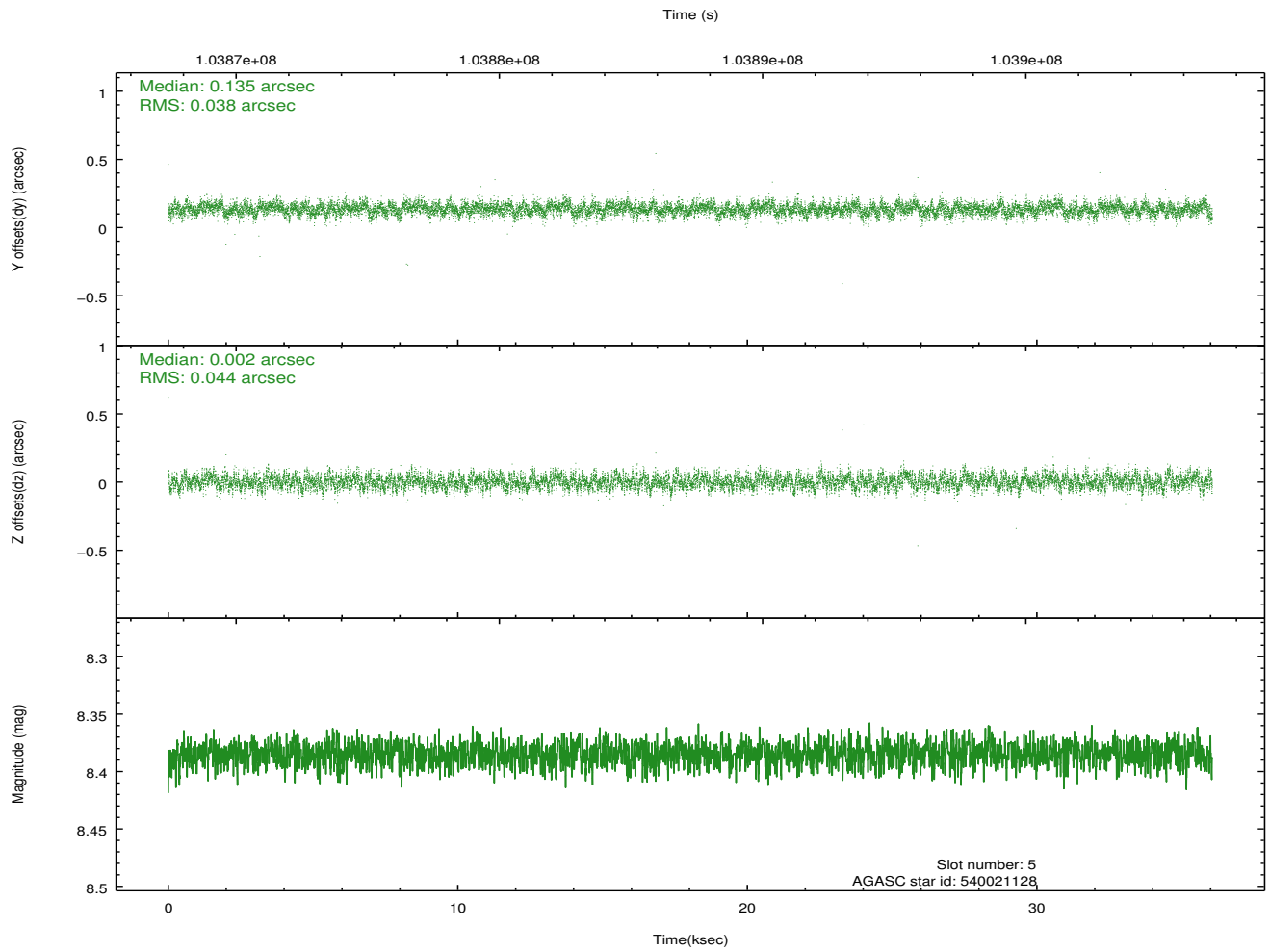
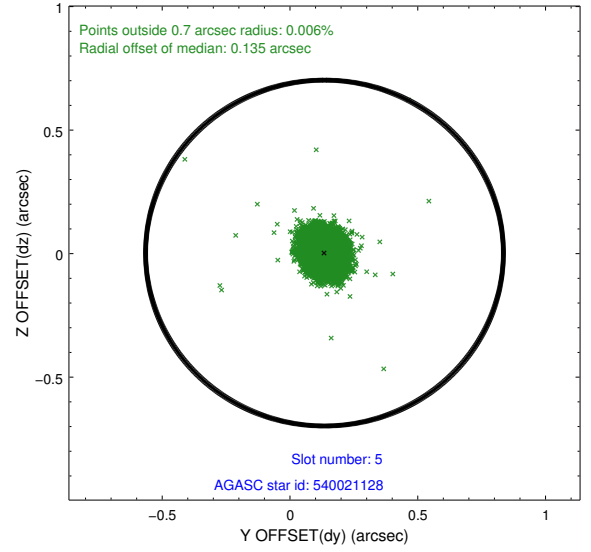
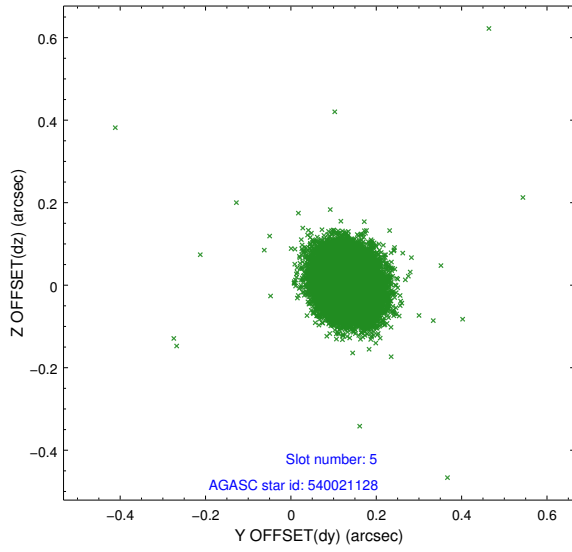
2.4.1 Slot 3



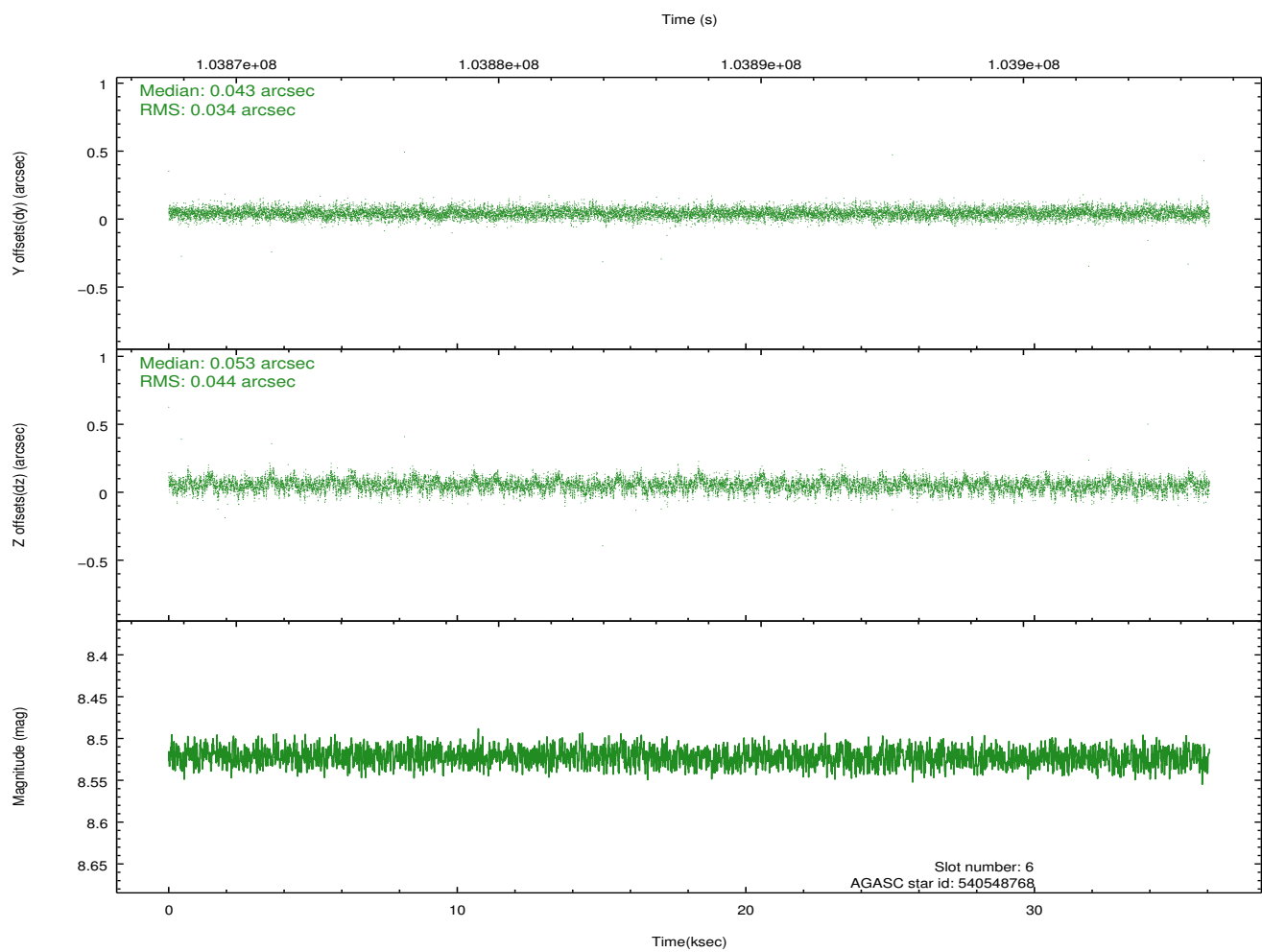
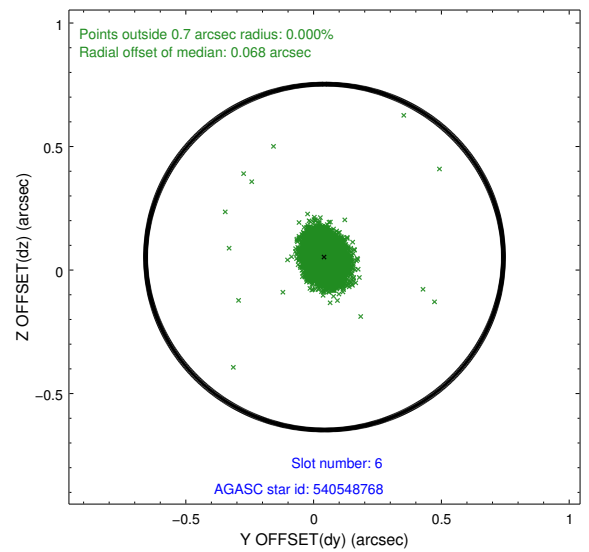
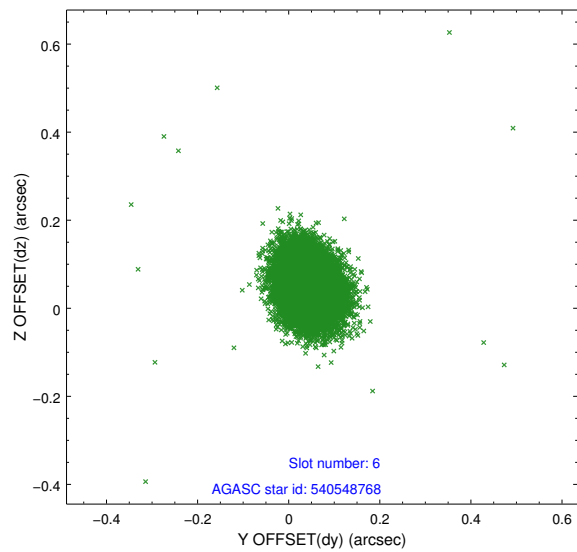
2.4.2 Slot 4



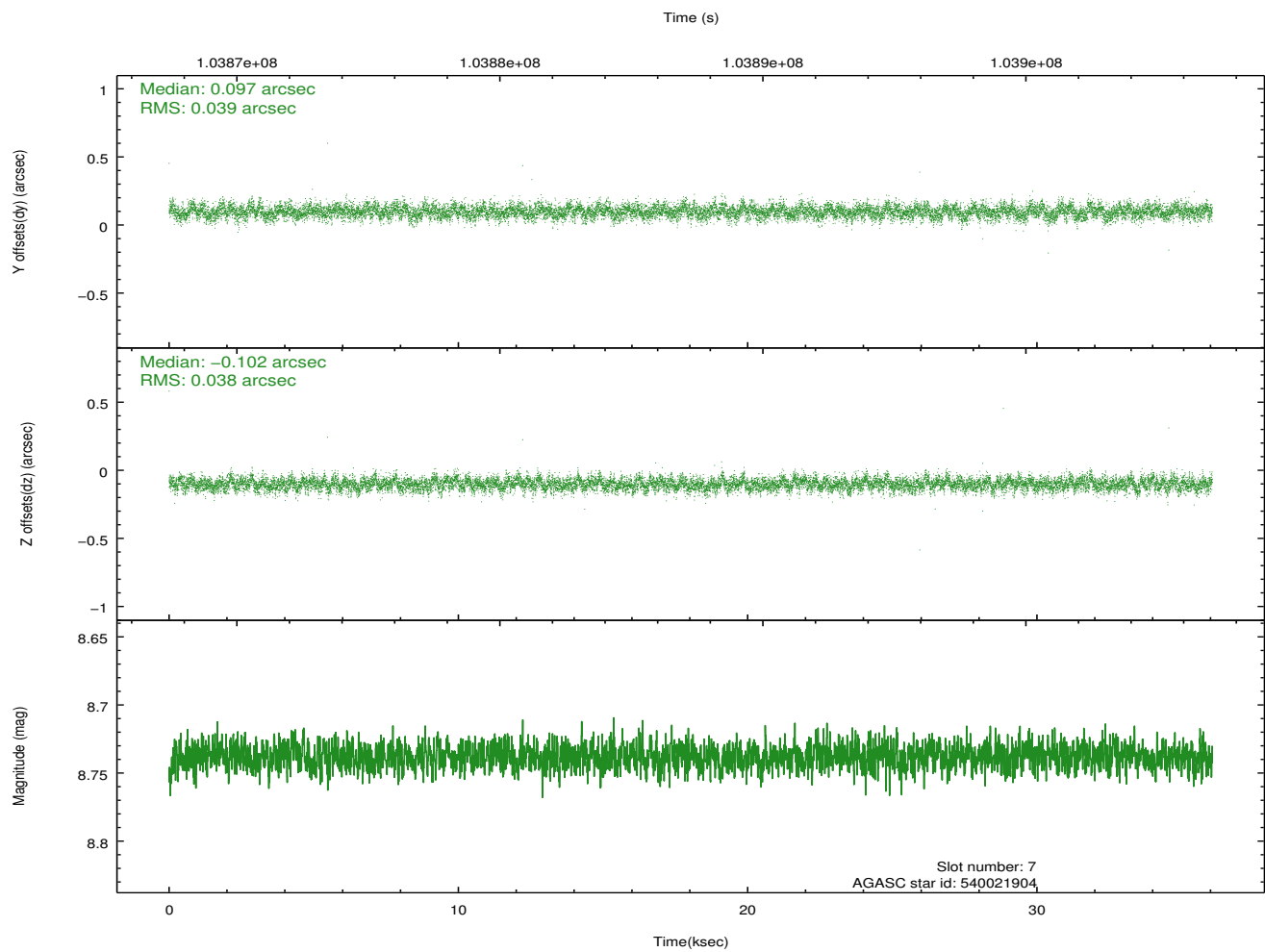
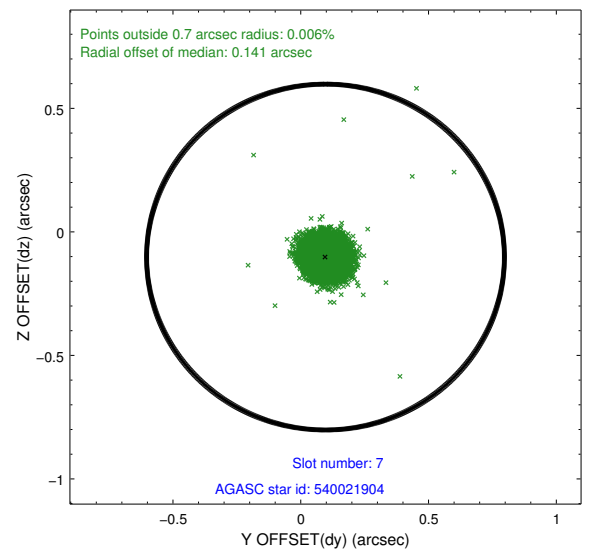
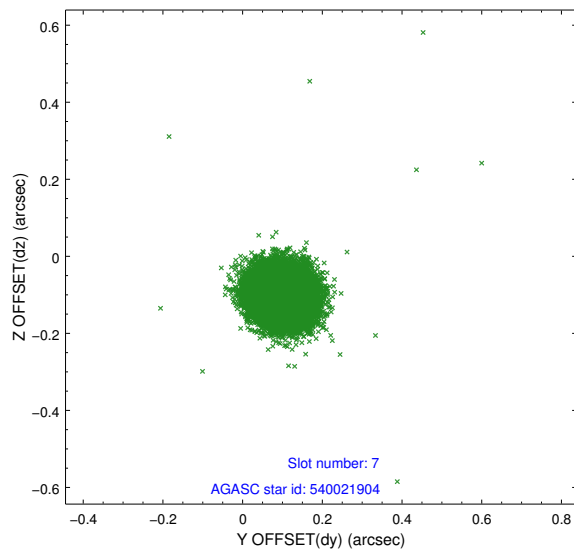
2.4.3 Slot 5



2.4.4 Slot 6

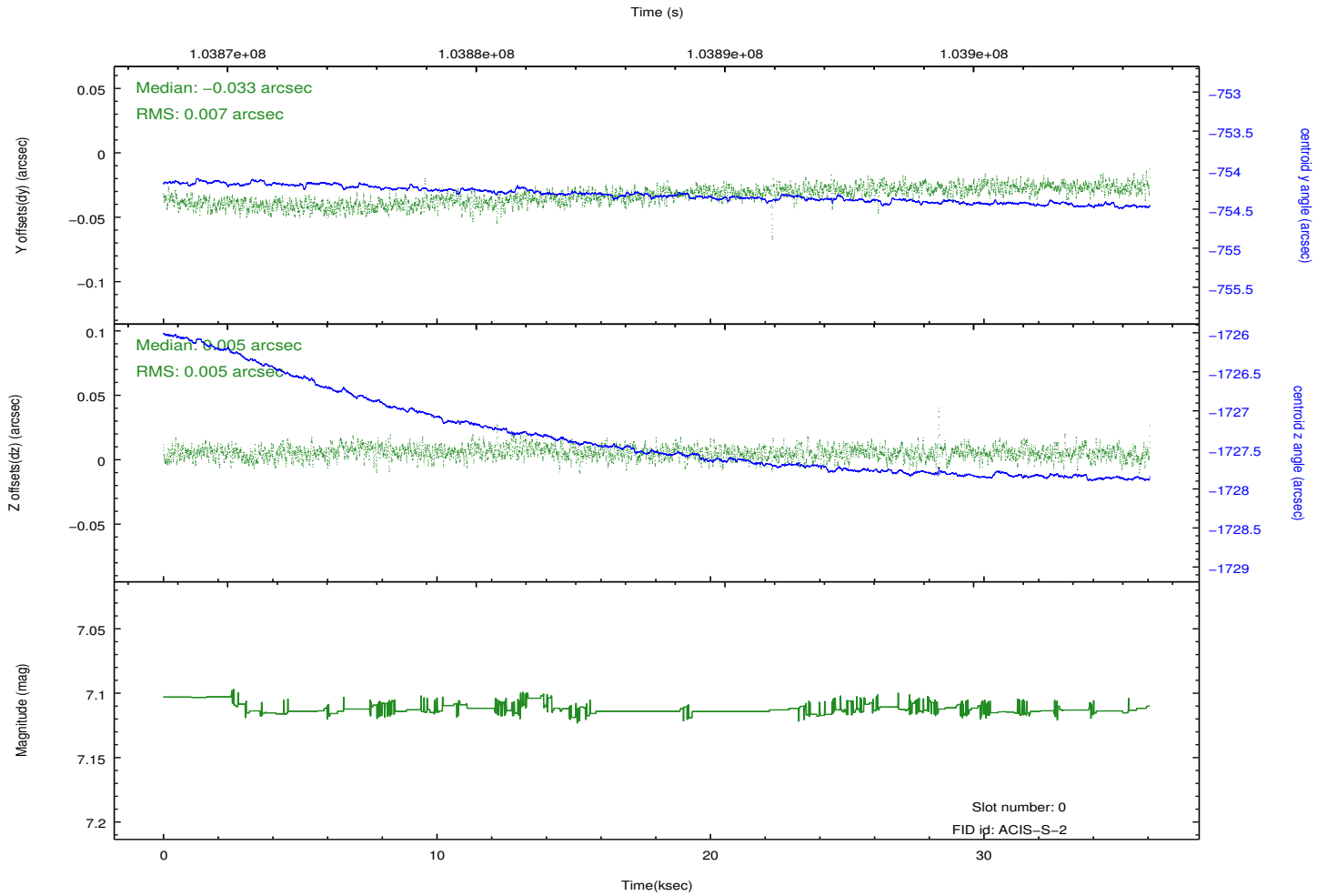
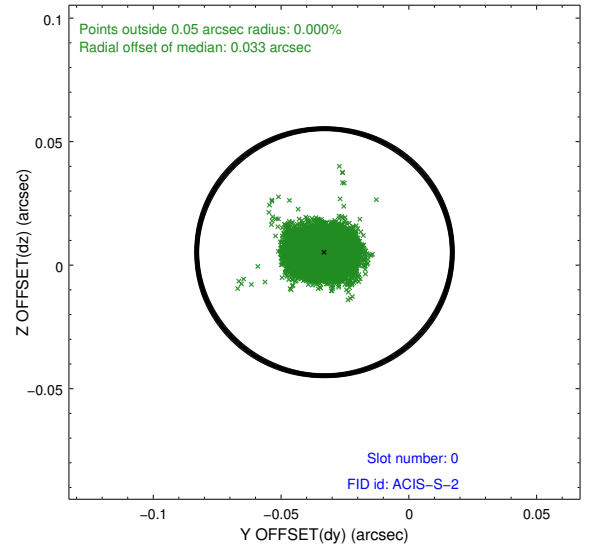
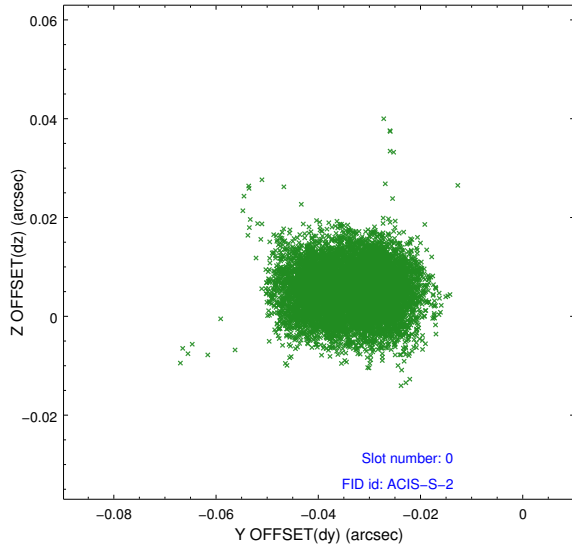


2.4.5 Slot 7

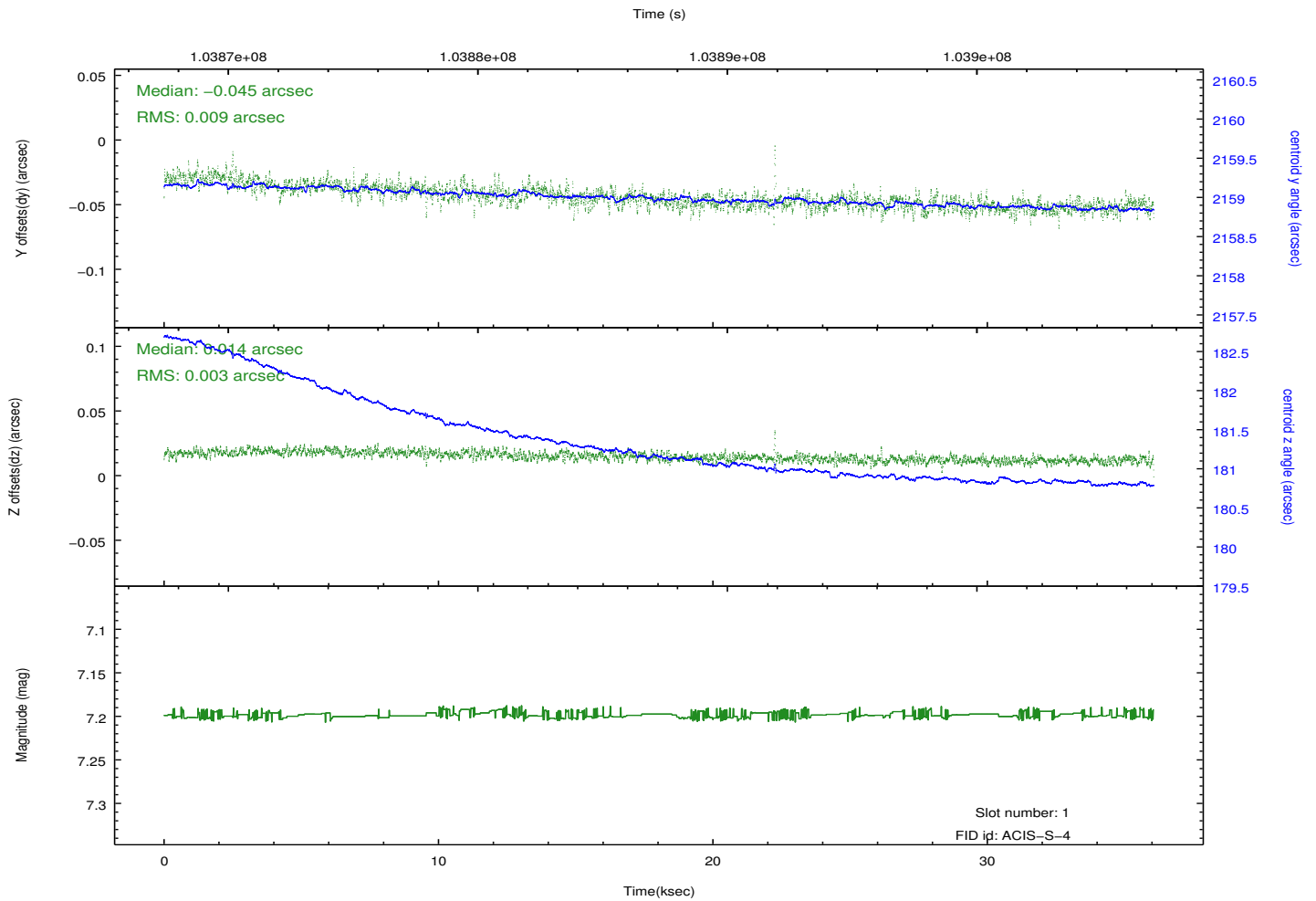
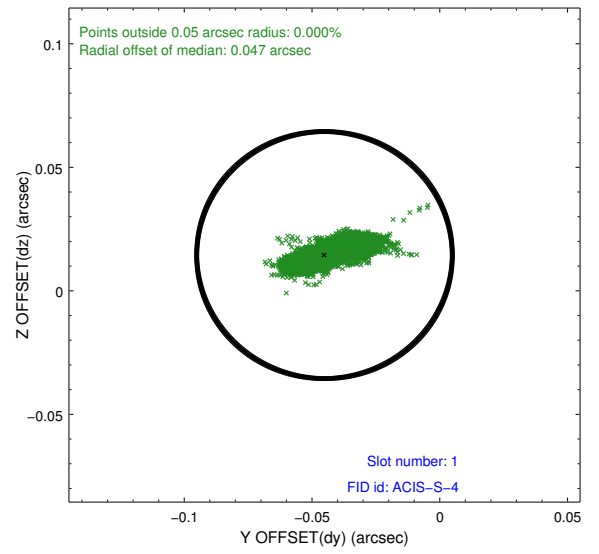
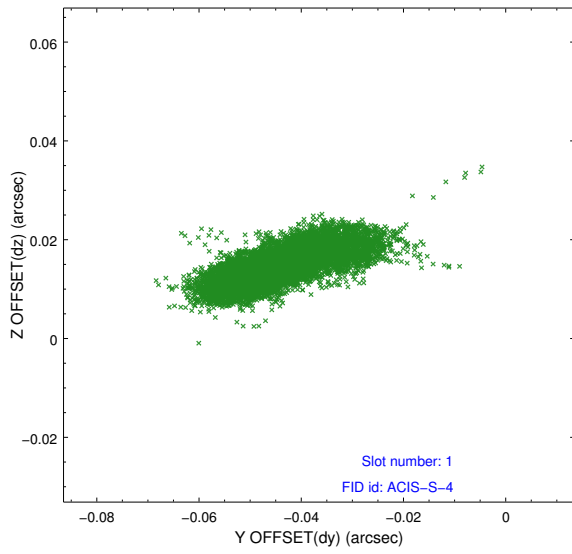


2.5 FID Slots

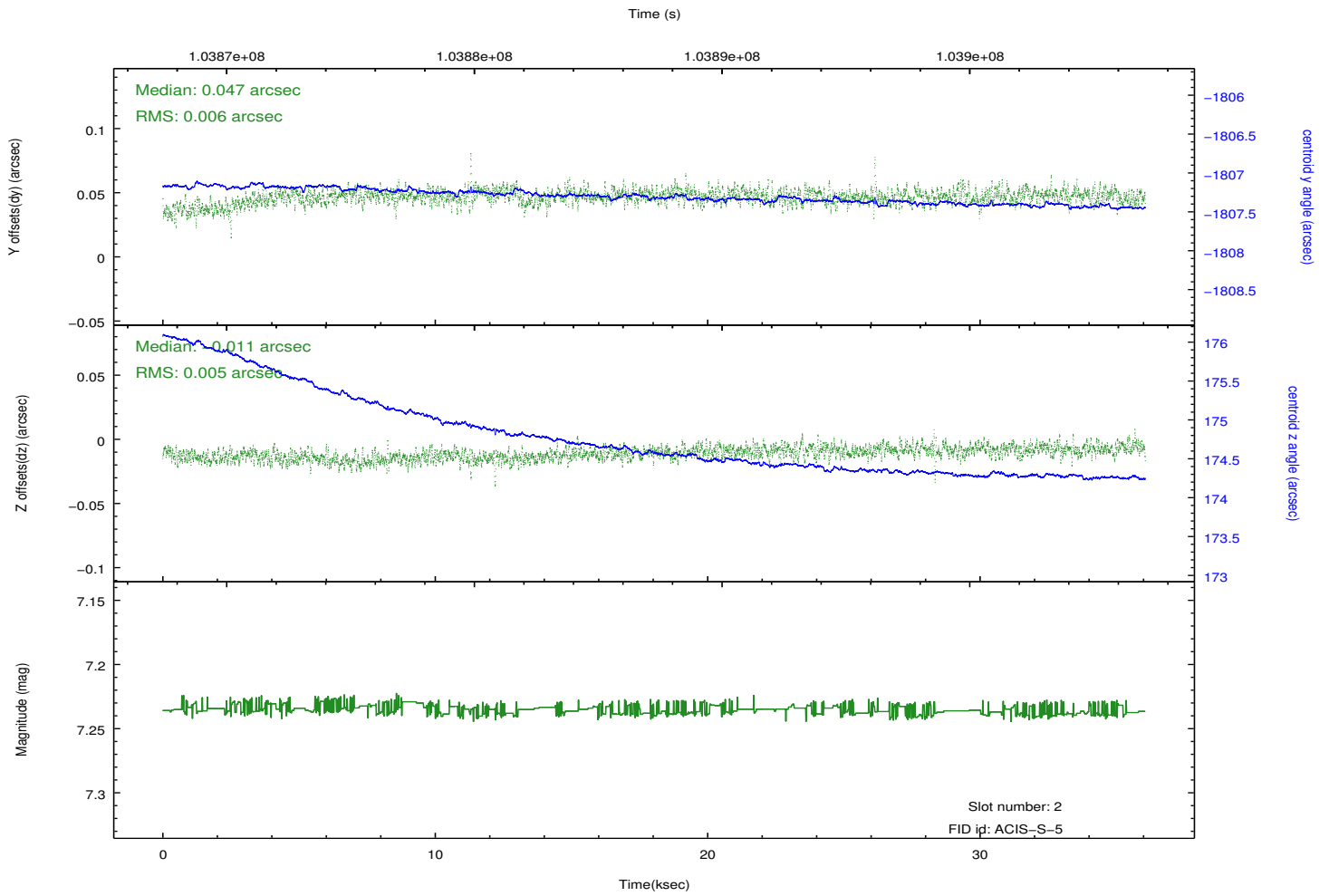
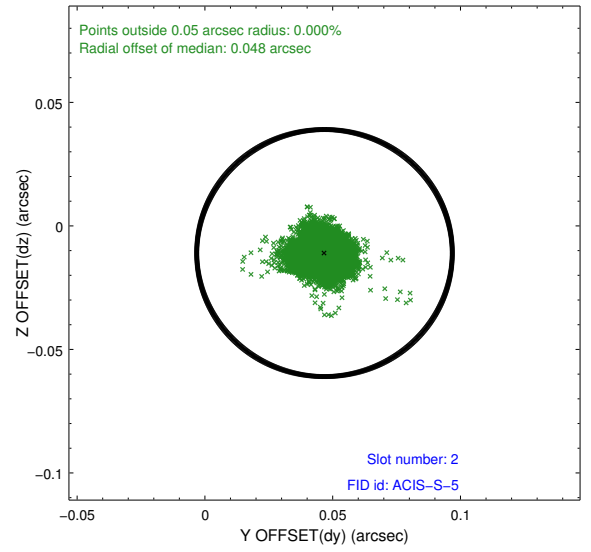
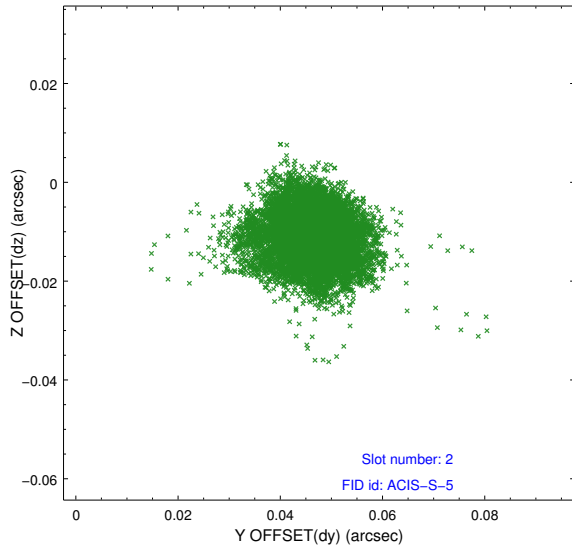
2.5.1 Slot 0



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)	2012.09.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36

A.2 Comments

Charge time for this observation remains at previous value of 36 ksec.