

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12335 - L2 Version 2
Chandra X-Ray Center

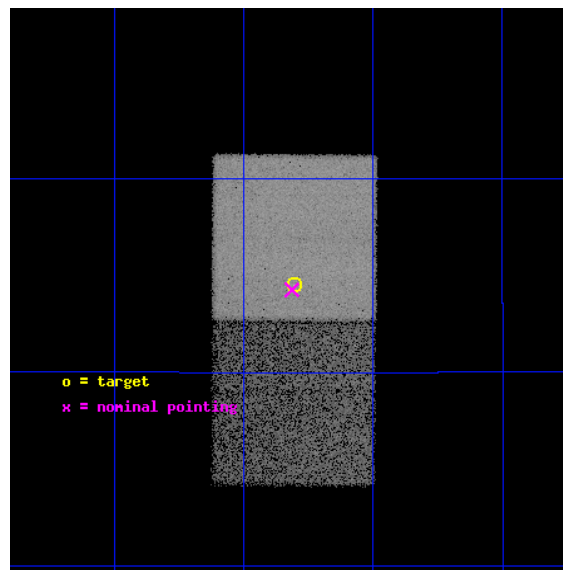
L2 Processing Date : Jul 8 2012

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1 Front

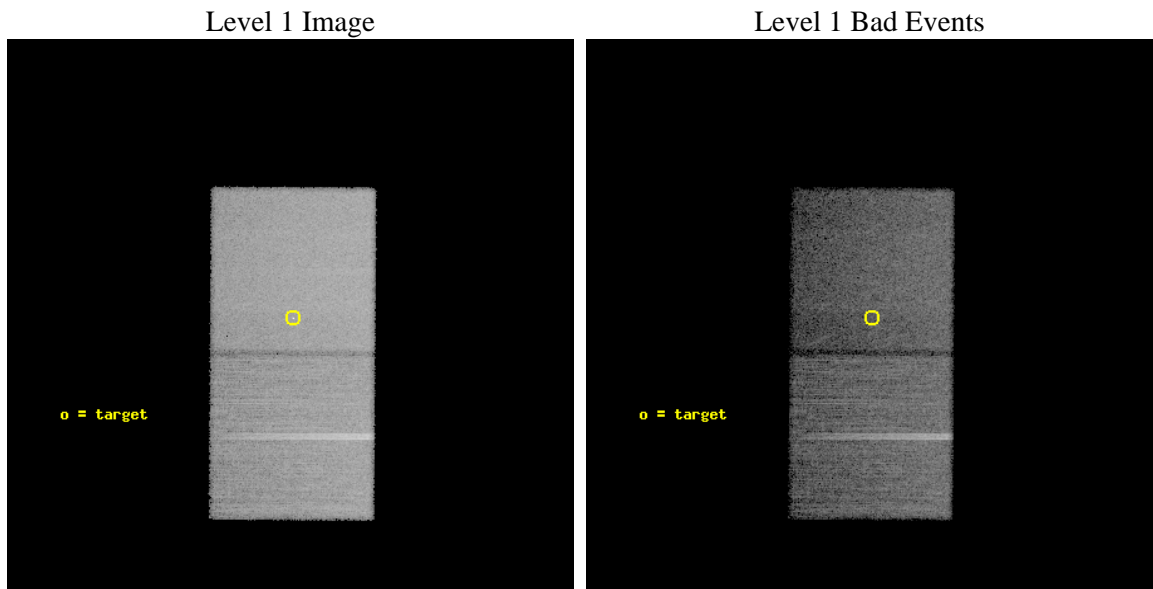
seq_num	200671	Sequence number
obs_id	12335	Observation id
title	Testing the effects of X-ray emission on brown dwarf disks	Proposa
observer	Dr. Basmah Riaz	Principal investigator
object	2M04414825	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	70.450833	Observer's specified target RA [deg]
dec_targ	25.575111	Observer's specified target Dec [deg]
ra_nom	70.453682250719	Nominal RA [deg]
dec_nom	25.57101958429	Nominal Dec [deg]
roll_nom	270.35084980144	Nominal Roll [deg]
revision	2	Processing version of data
ontime	35067.0	Sum of GTIs [s]
liveltime	34593.757398785	Livetime [s]
ontime6	35057.877058983	Sum of GTIs [s]
ontime7	35067.0	Sum of GTIs [s]
l2events	155038	Number of level 2 events



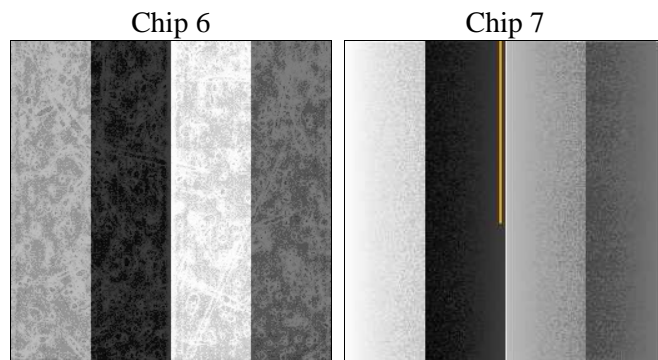
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	35000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	35067.0	Sum of GTIs [s]
caldbver	4.5.0	 	ontime6	35057.877058983	Sum of GTIs [s]
date	2012-07-08T21:33:16	Date and time of file creation	ontime7	35067.0	Sum of GTIs [s]
revision	2	Processing version of data	l1events	546845	Number of level 1 events

2.1.4 Events

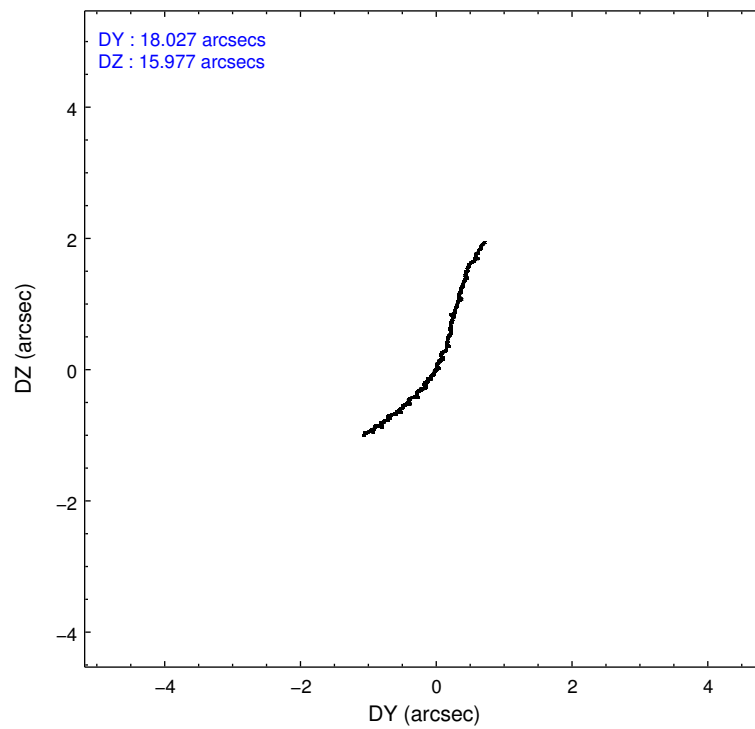
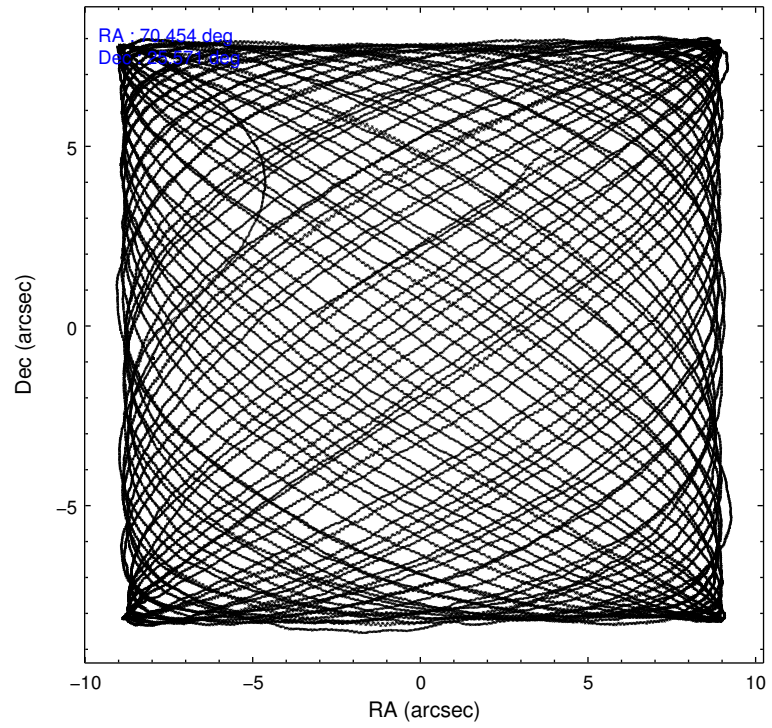
	ccd 6	ccd 7
level 1 events	247187	299658
rejected events	219750	164780
rejected %	88%	54%

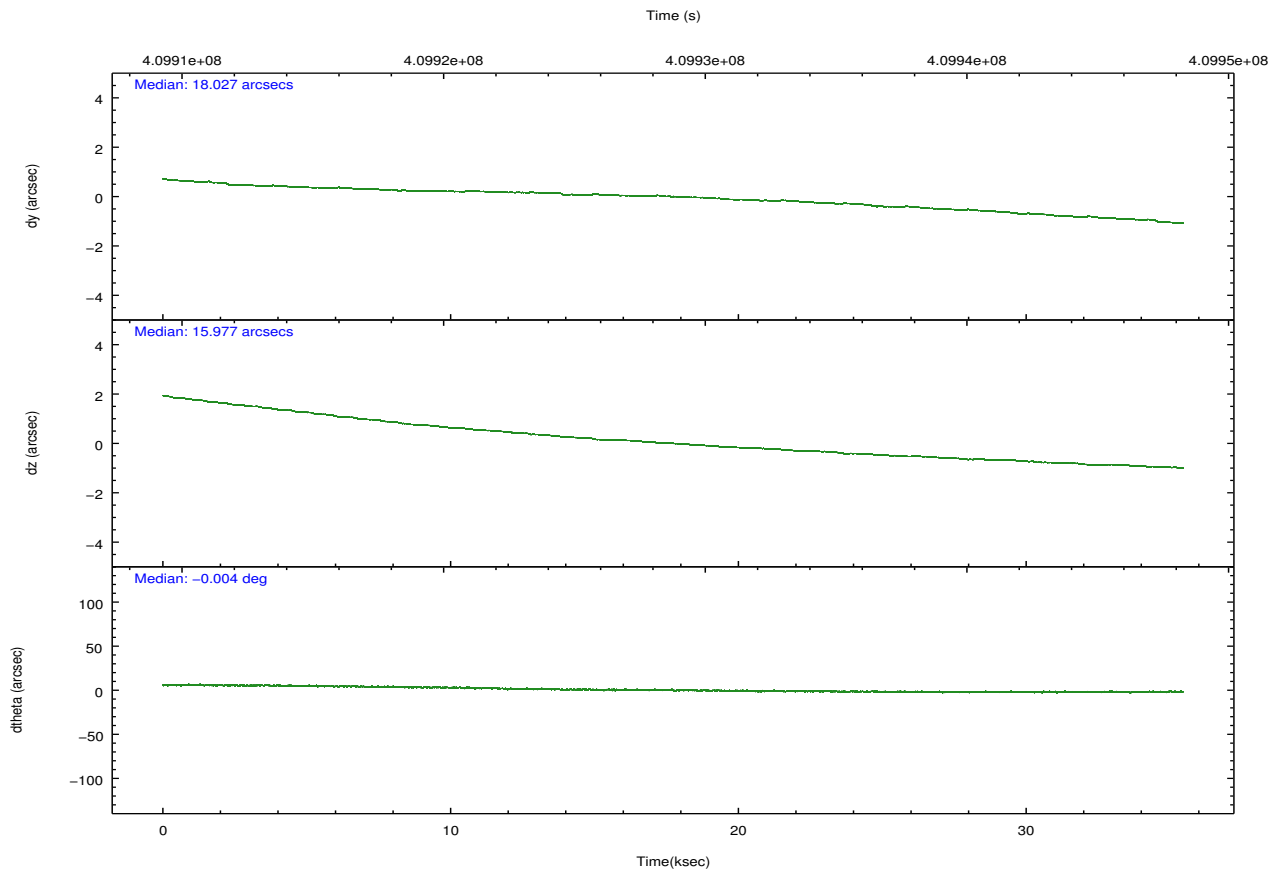
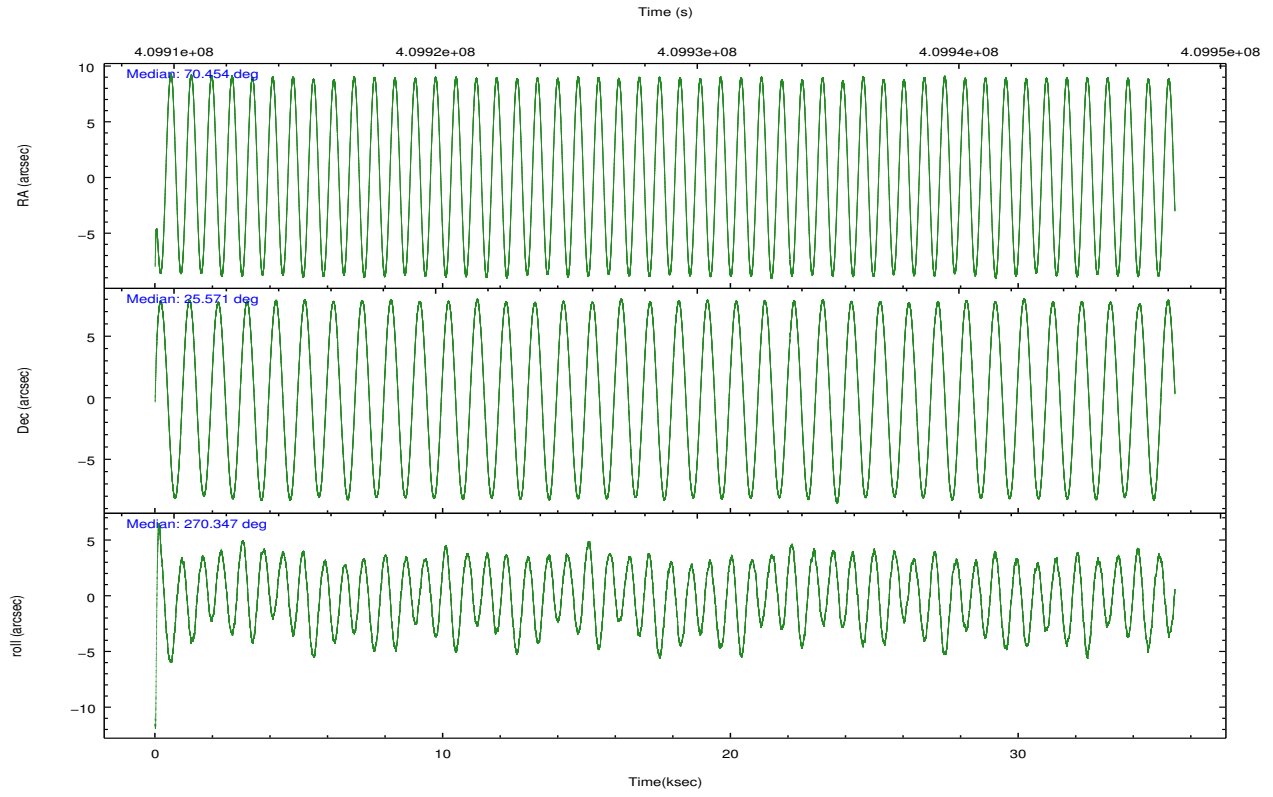
	ccd 6	ccd 7
grade 0 events	9031	11973
	3%	3%
grade 1 events	128	387
	0%	0%
grade 2 events	6226	27251
	2%	9%
grade 3 events	3022	12152
	1%	4%
grade 4 events	3006	11936
	1%	3%
grade 5 events	11163	31505
	4%	10%
grade 6 events	6156	71578
	2%	23%
grade 7 events	208455	132876
	84%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-67	ACIS-67	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	70.438011	70.45368225071944	CCD I2 on	N	N
[deg] Pointing Dec	25.594405	25.57101958429042	CCD I3 on	N	N
[deg] Pointing Roll	270.200991	270.3508498014357	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	409911489.184000	409909927.6562	CCD S5 on	N	N
Observation start date	2010-12-28T08:17:03	2010-12-28T07:52:07	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	409946489.184000	409947545.15814	On-chip summing requested	N	N
Observation end date	2010-12-28T18:00:23	2010-12-28T18:19:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3

2.3 Aspect



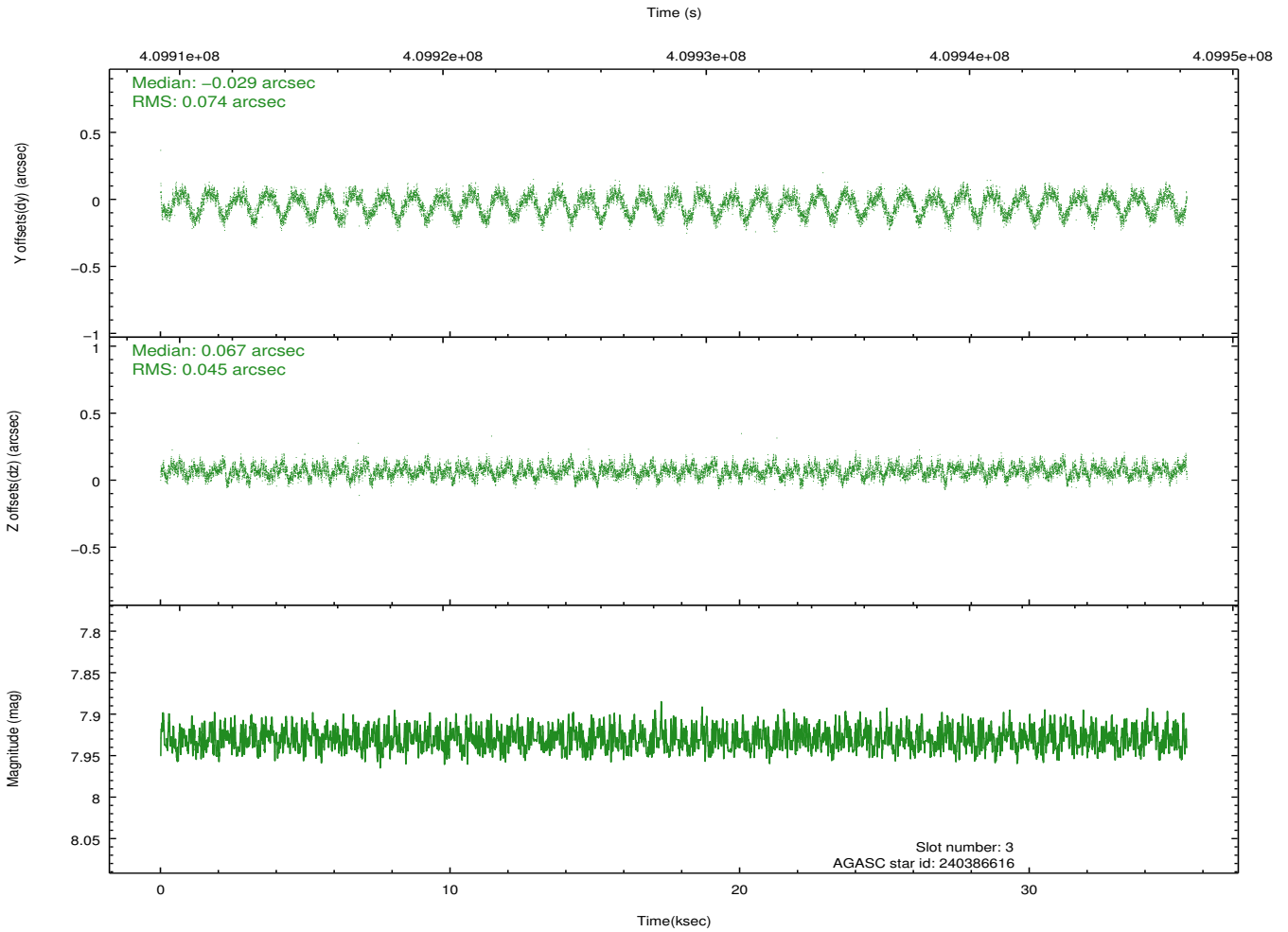
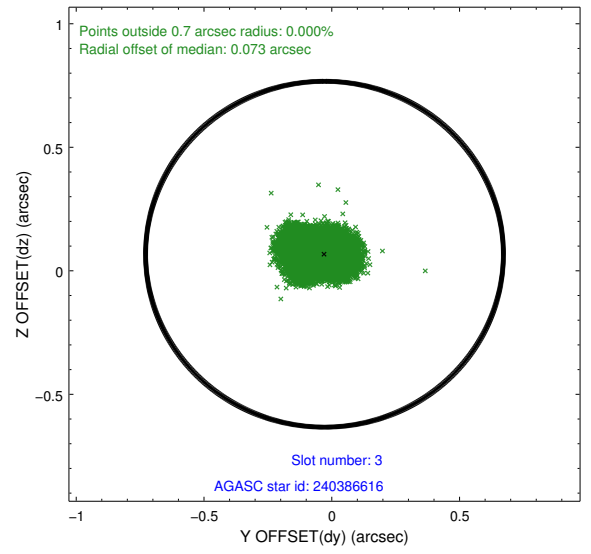
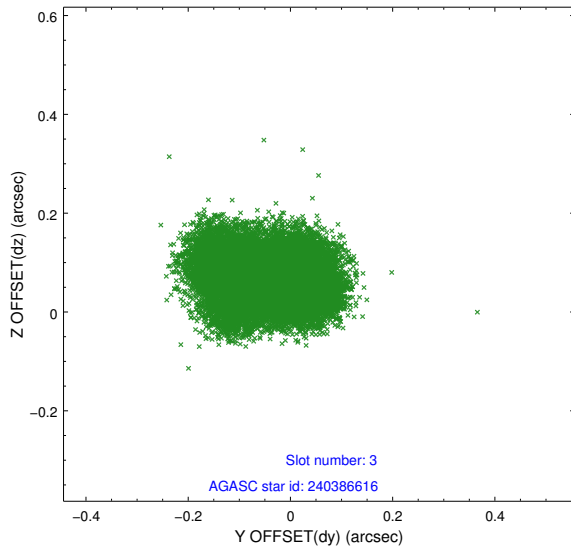


Slot Statistics

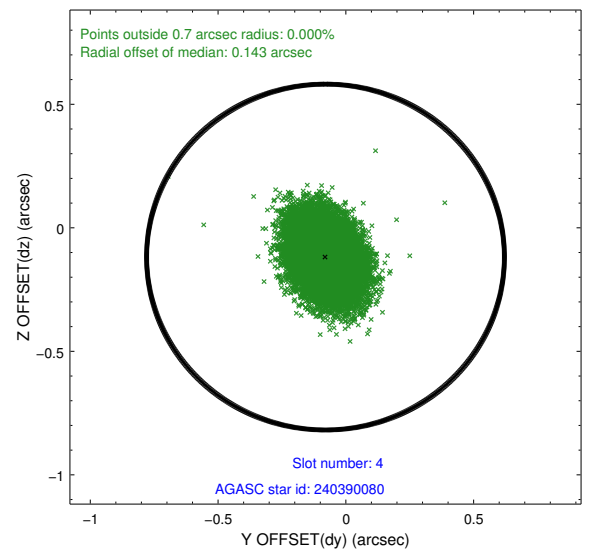
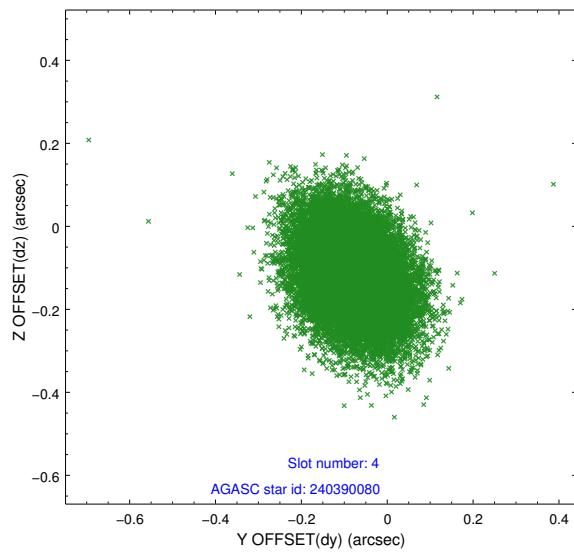
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	8644	-0.085	-0.013	0.014	0.034	0.000000	0.000000	-771.05	-1737.55
1	FID	ACIS-S-4	6.95	8644	0.214	0.044	0.014	0.036	0.000000	0.000000	2142.50	170.95
2	FID	ACIS-S-5	6.98	8643	-0.162	-0.024	0.031	0.047	0.000000	0.000000	-1823.92	164.60
3	GUIDE	240386616	7.93	17288	-0.029	0.067	0.095	0.147	70.283534	25.992764	-1435.76	-494.48
4	GUIDE	240390080	9.43	17266	-0.080	-0.118	0.117	0.192	71.103832	25.528524	239.52	2162.33
5	GUIDE	240391800	6.62	17285	0.008	-0.018	0.130	0.190	69.846451	25.218273	1343.60	-1930.80
6	GUIDE	240389520	8.07	17286	-0.003	0.006	0.063	0.103	70.770976	26.243075	-2332.34	1083.22
7	GUIDE	240389480	9.10	17268	0.116	0.055	0.090	0.144	70.818081	24.930059	2394.41	1232.94

2.4 Star Slots

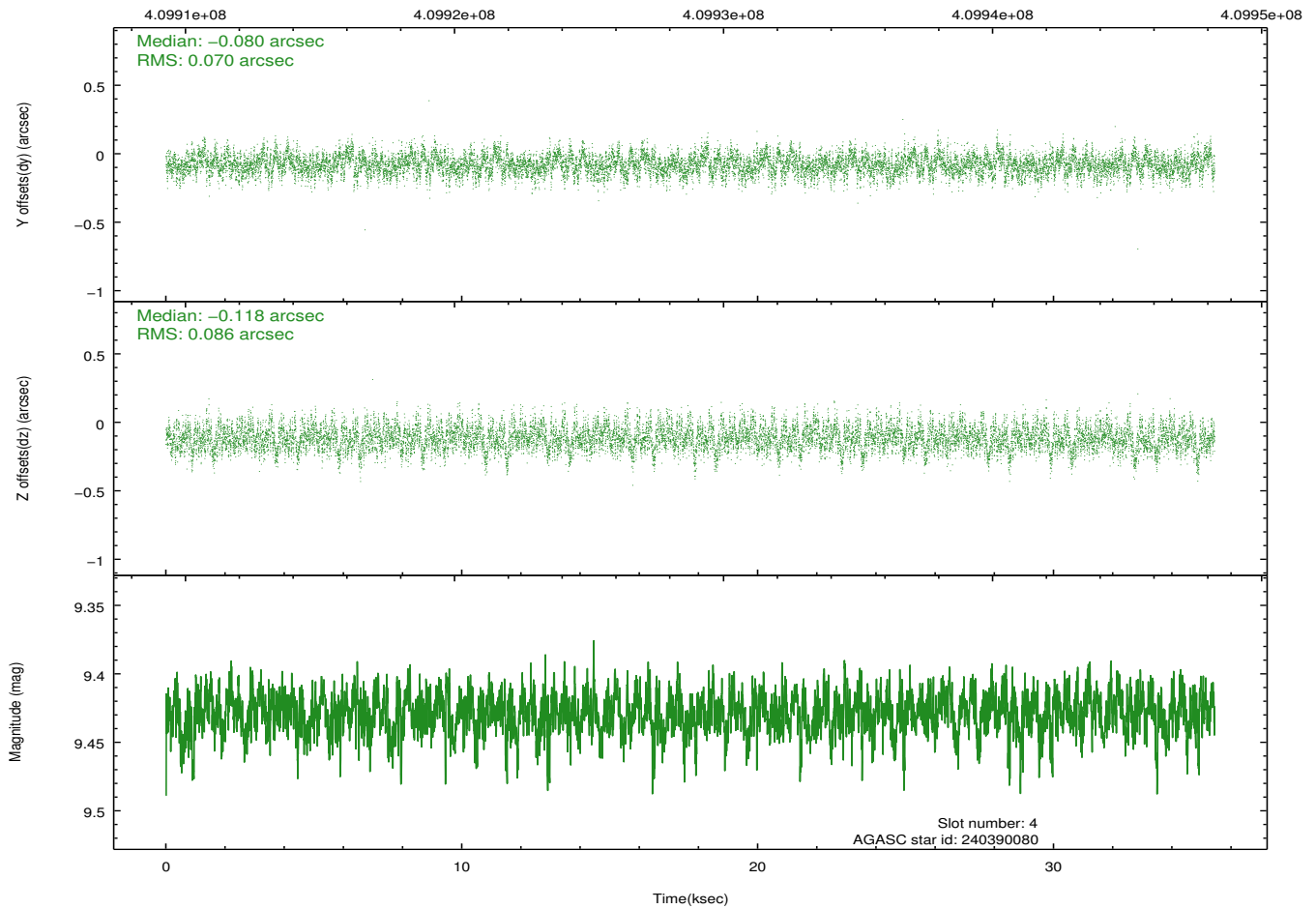
2.4.1 Slot 3



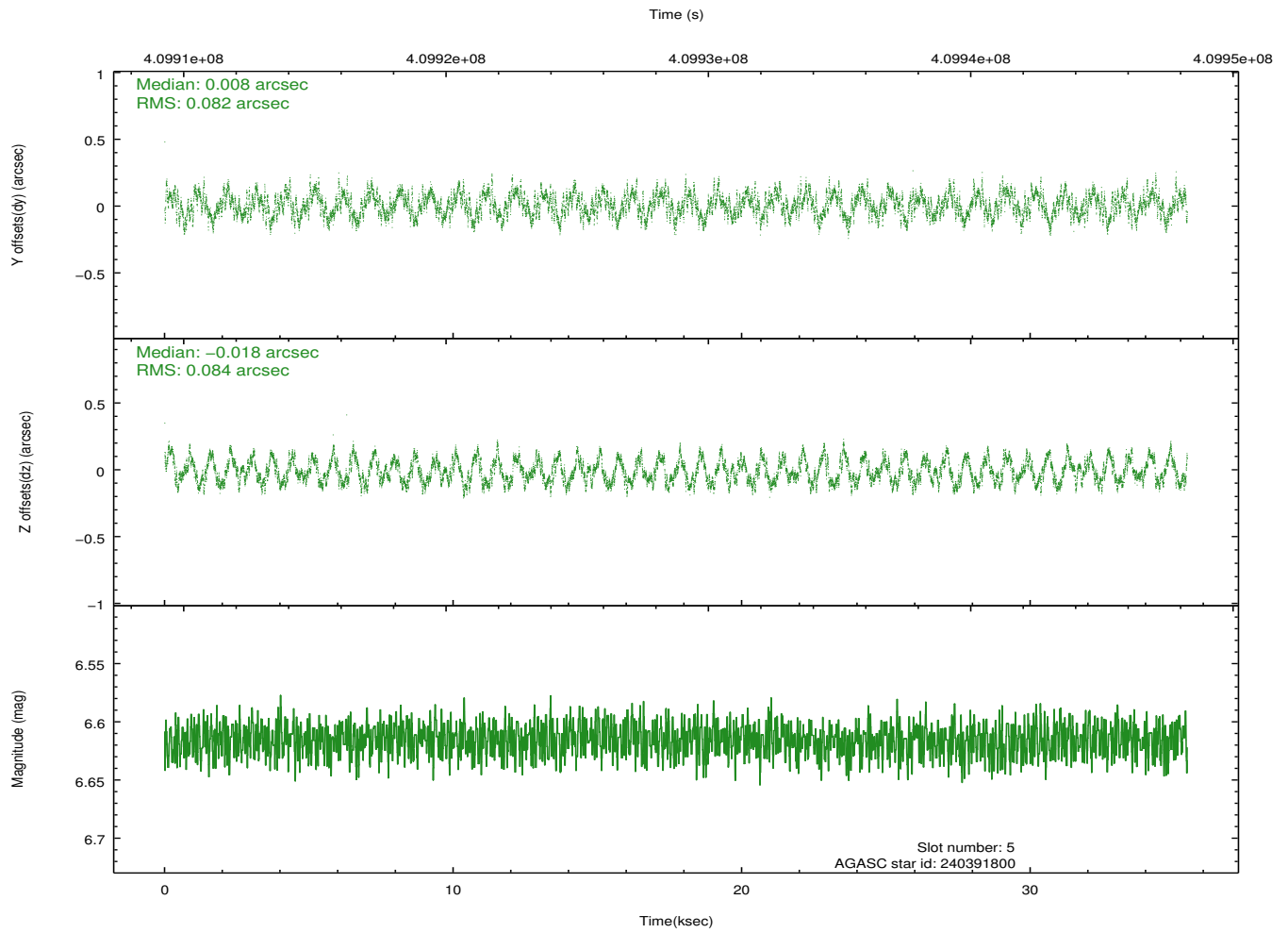
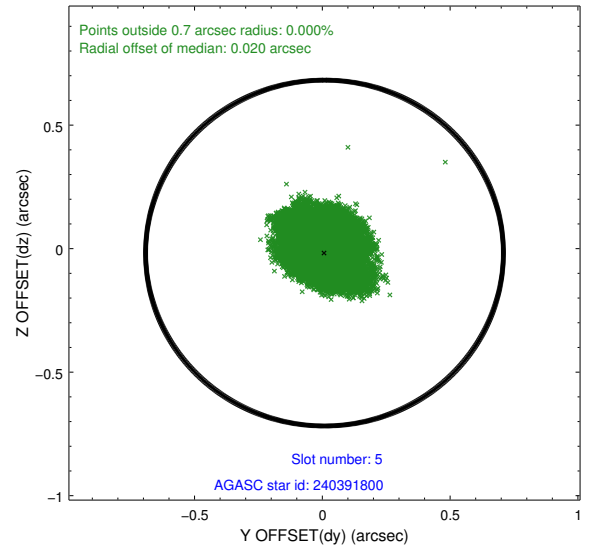
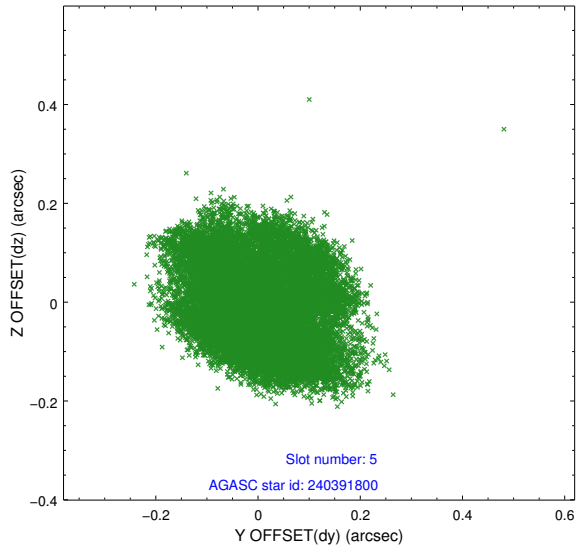
2.4.2 Slot 4



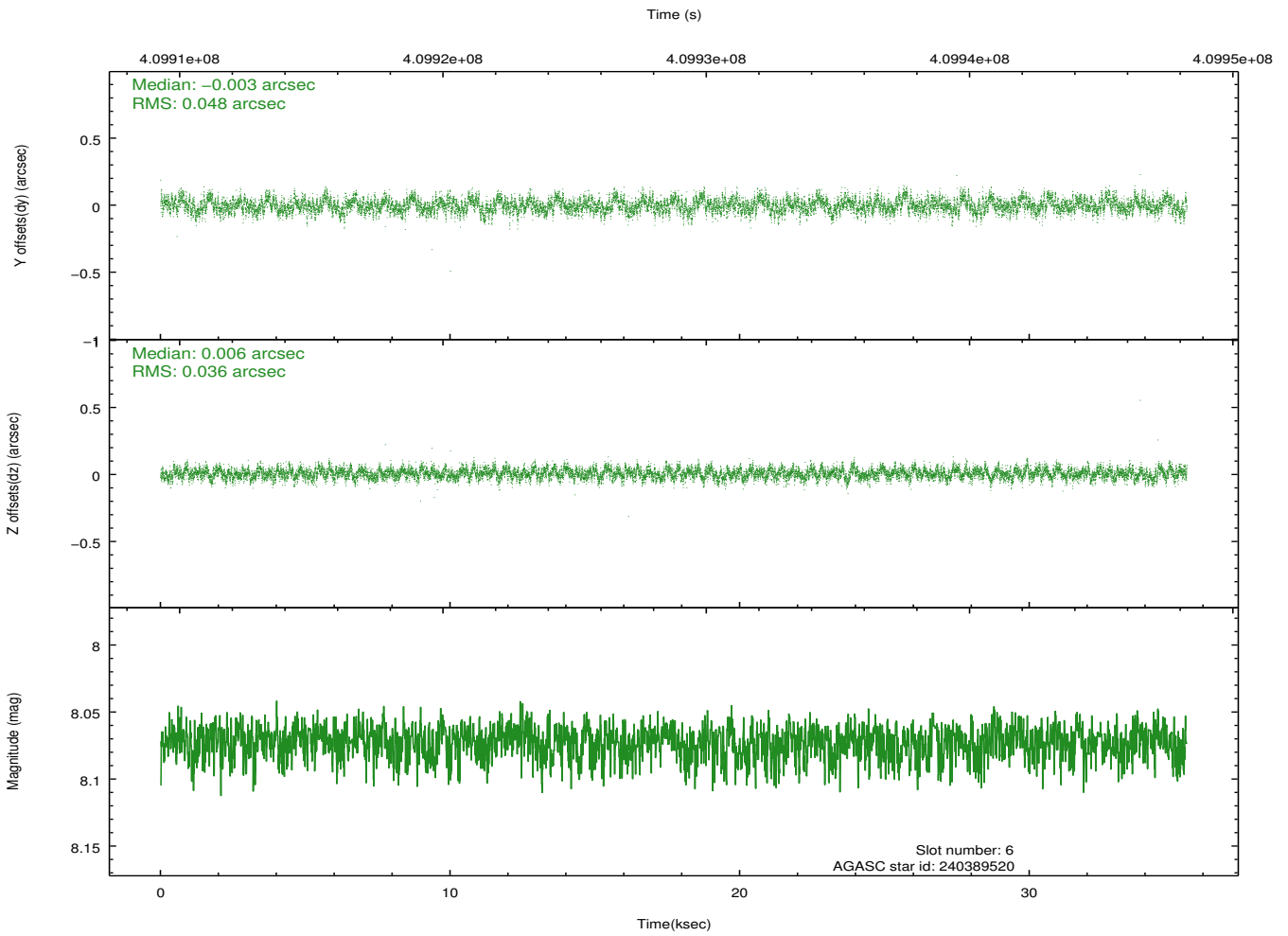
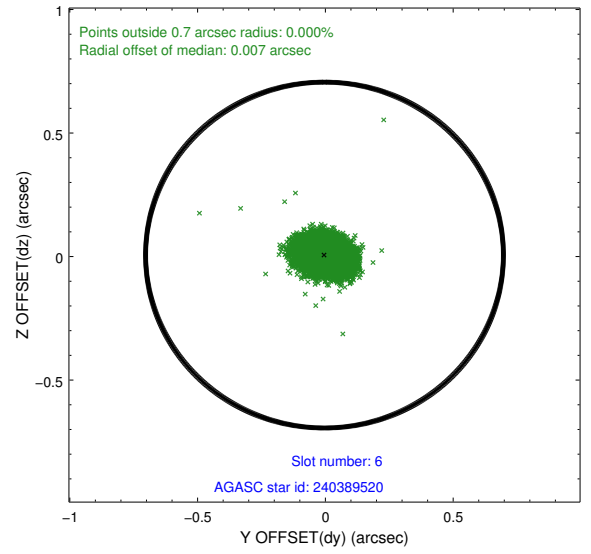
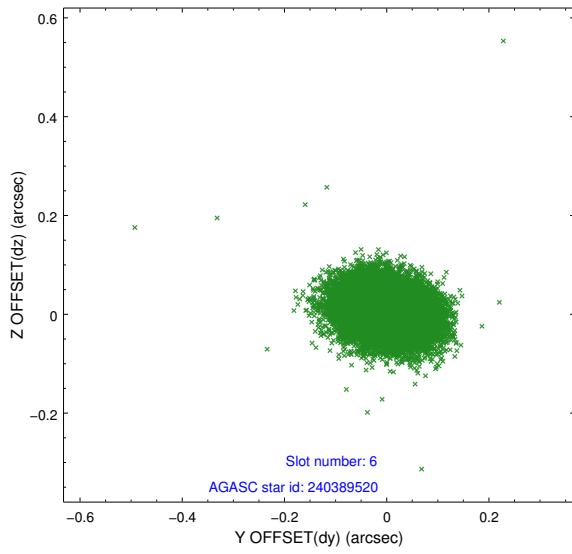
Time (s)



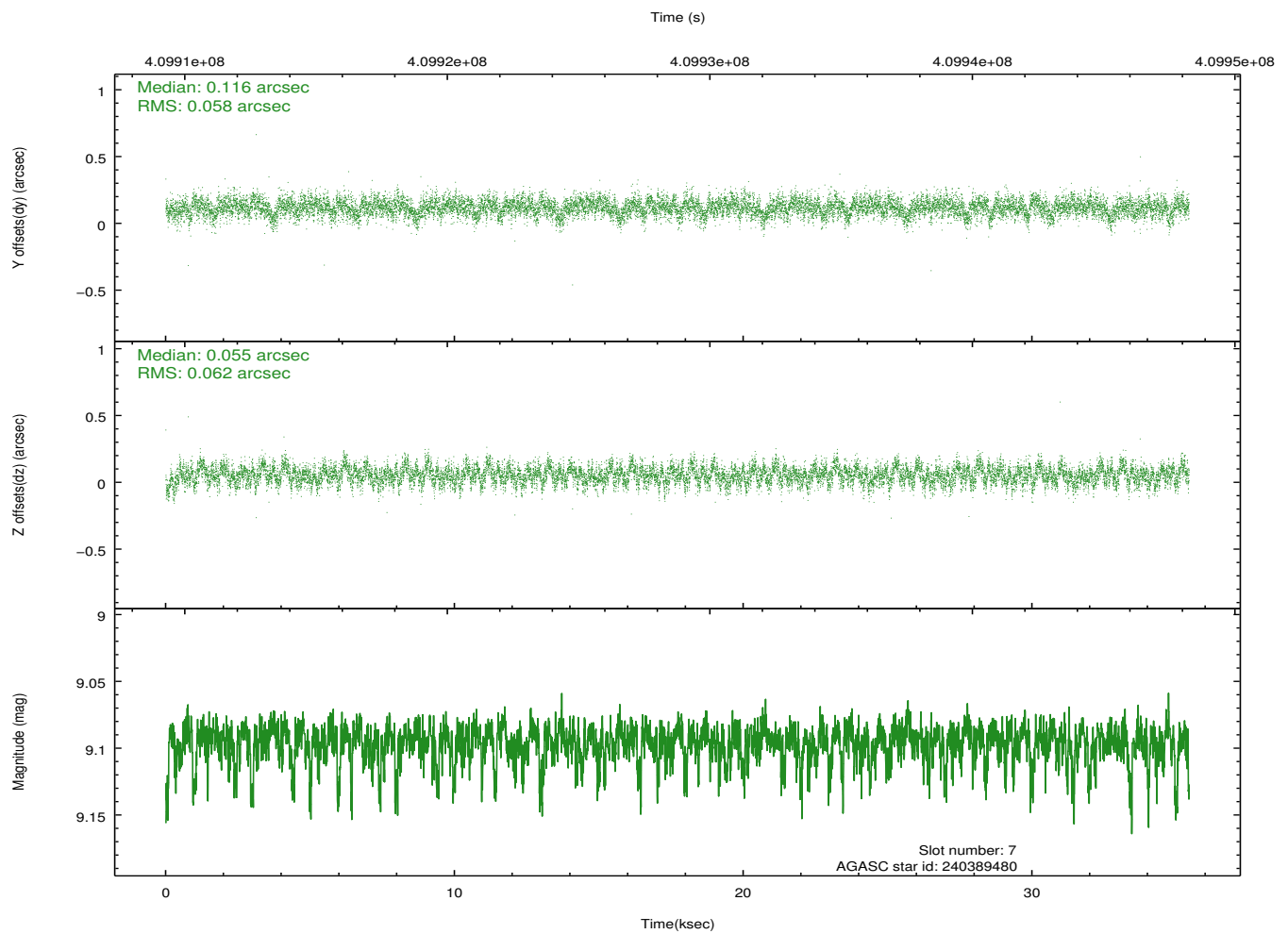
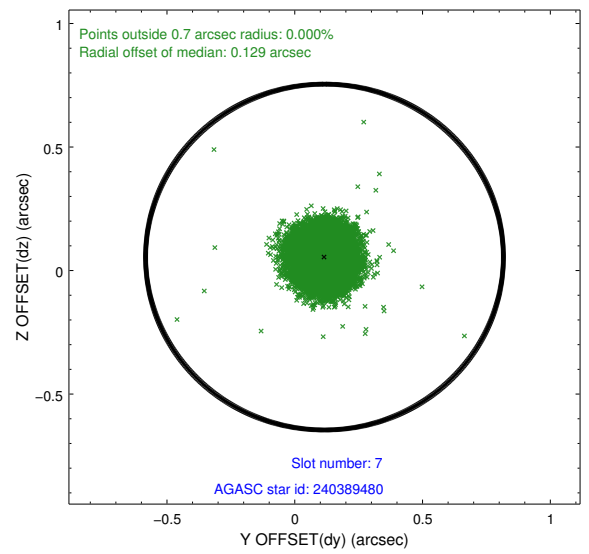
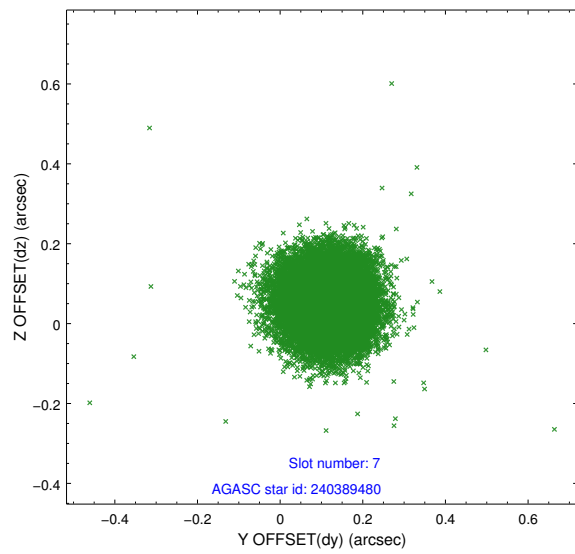
2.4.3 Slot 5



2.4.4 Slot 6

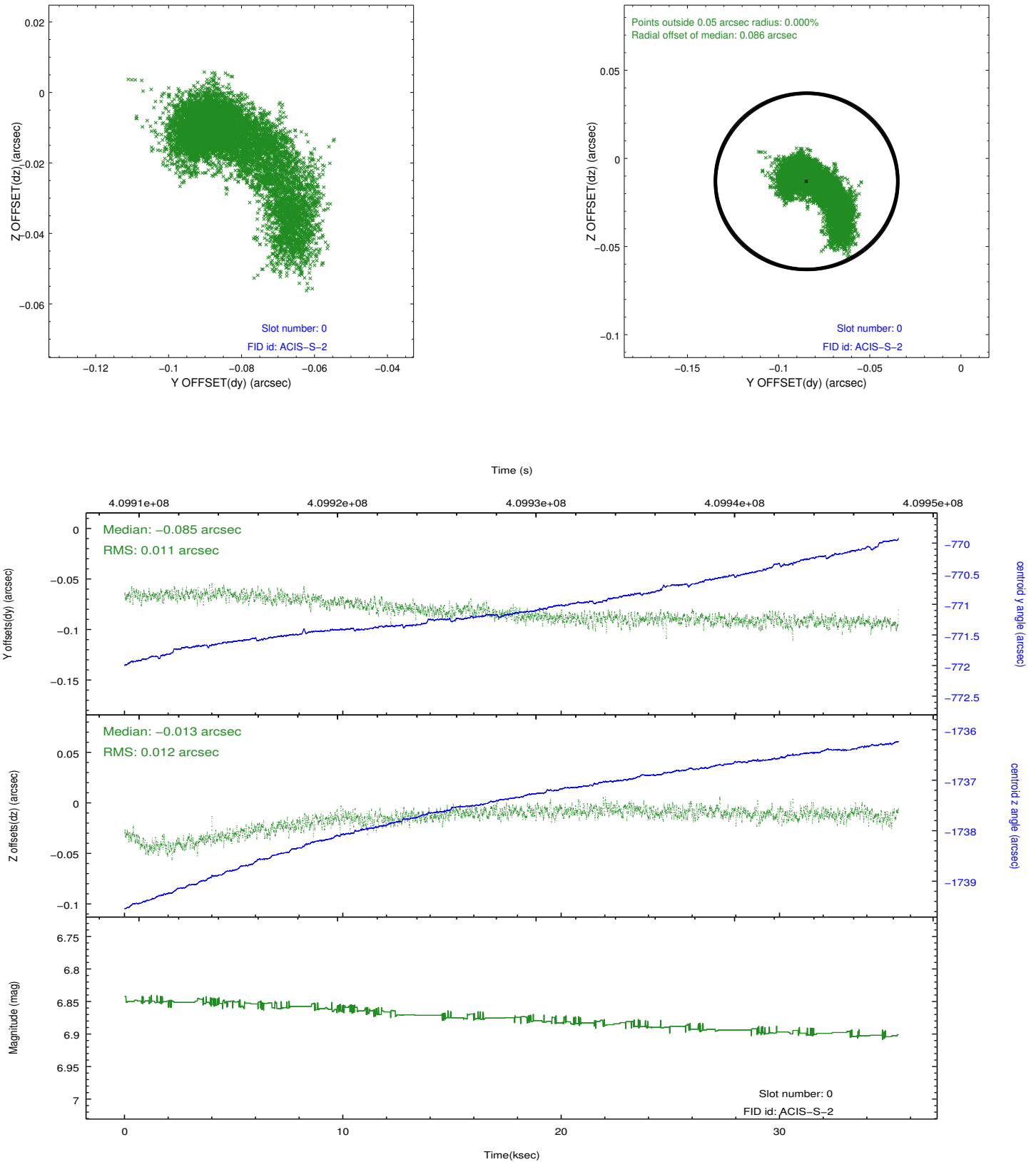


2.4.5 Slot 7

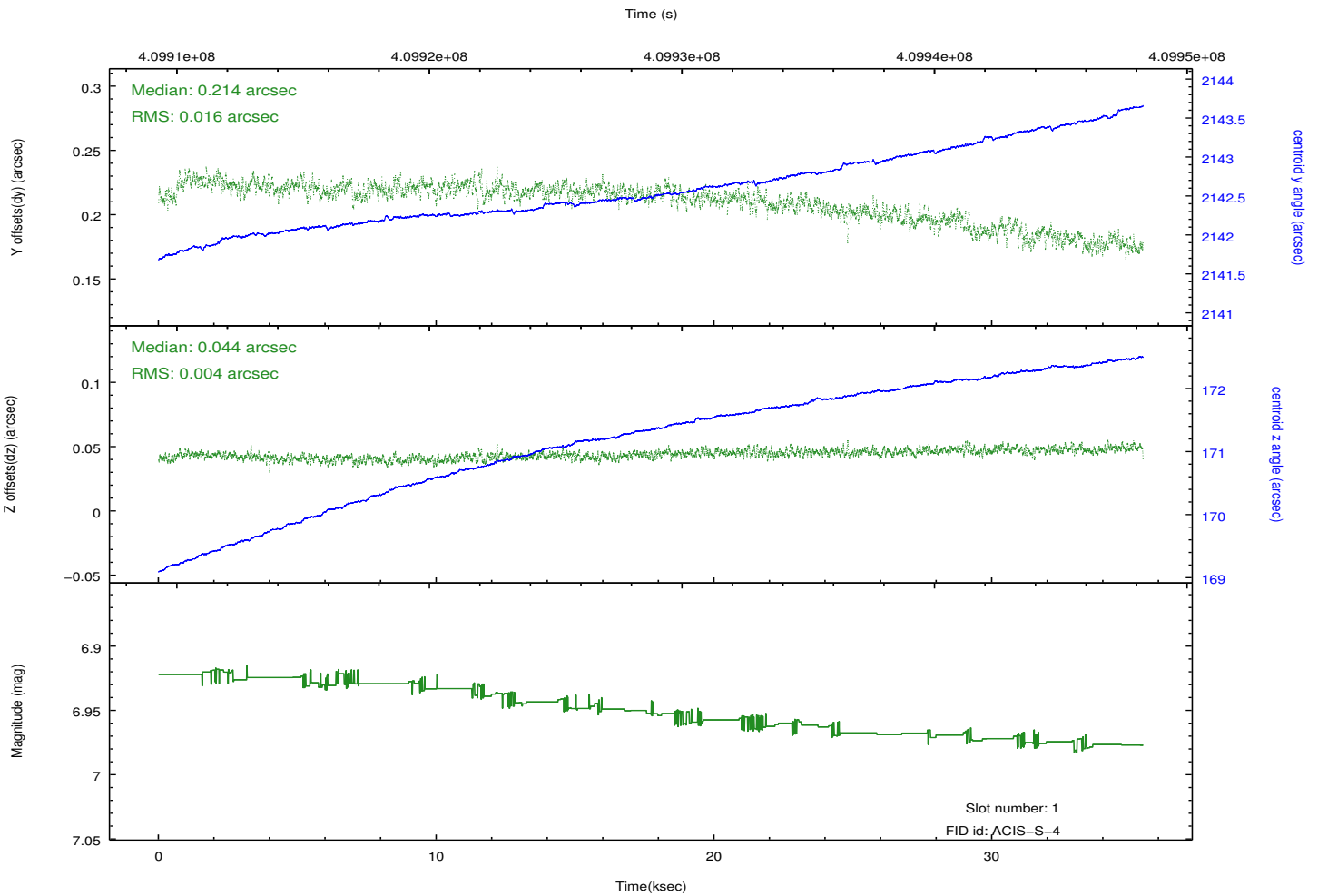
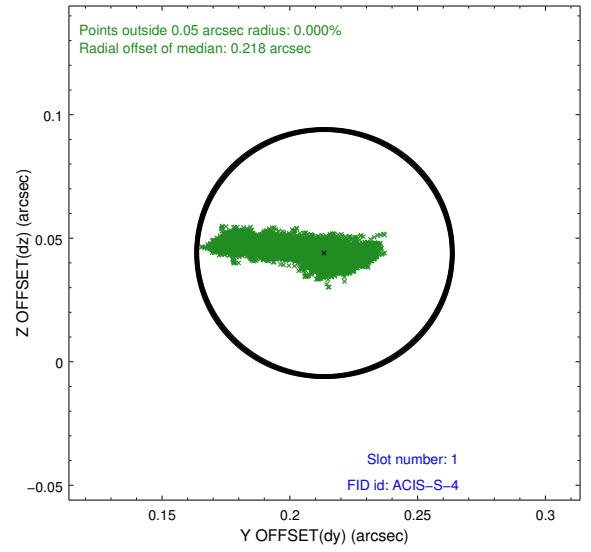
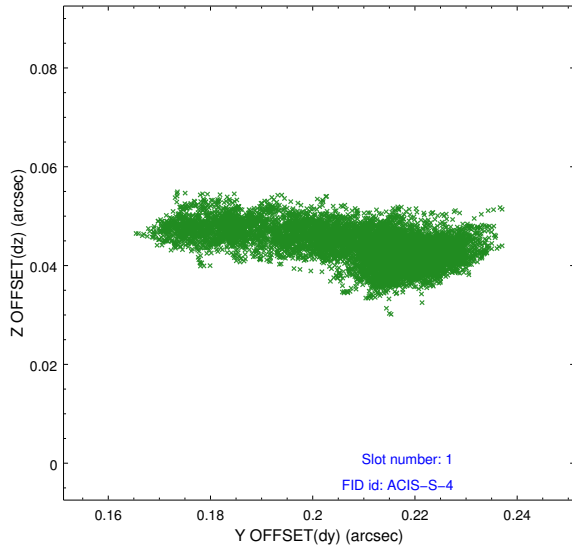


2.5 FID Slots

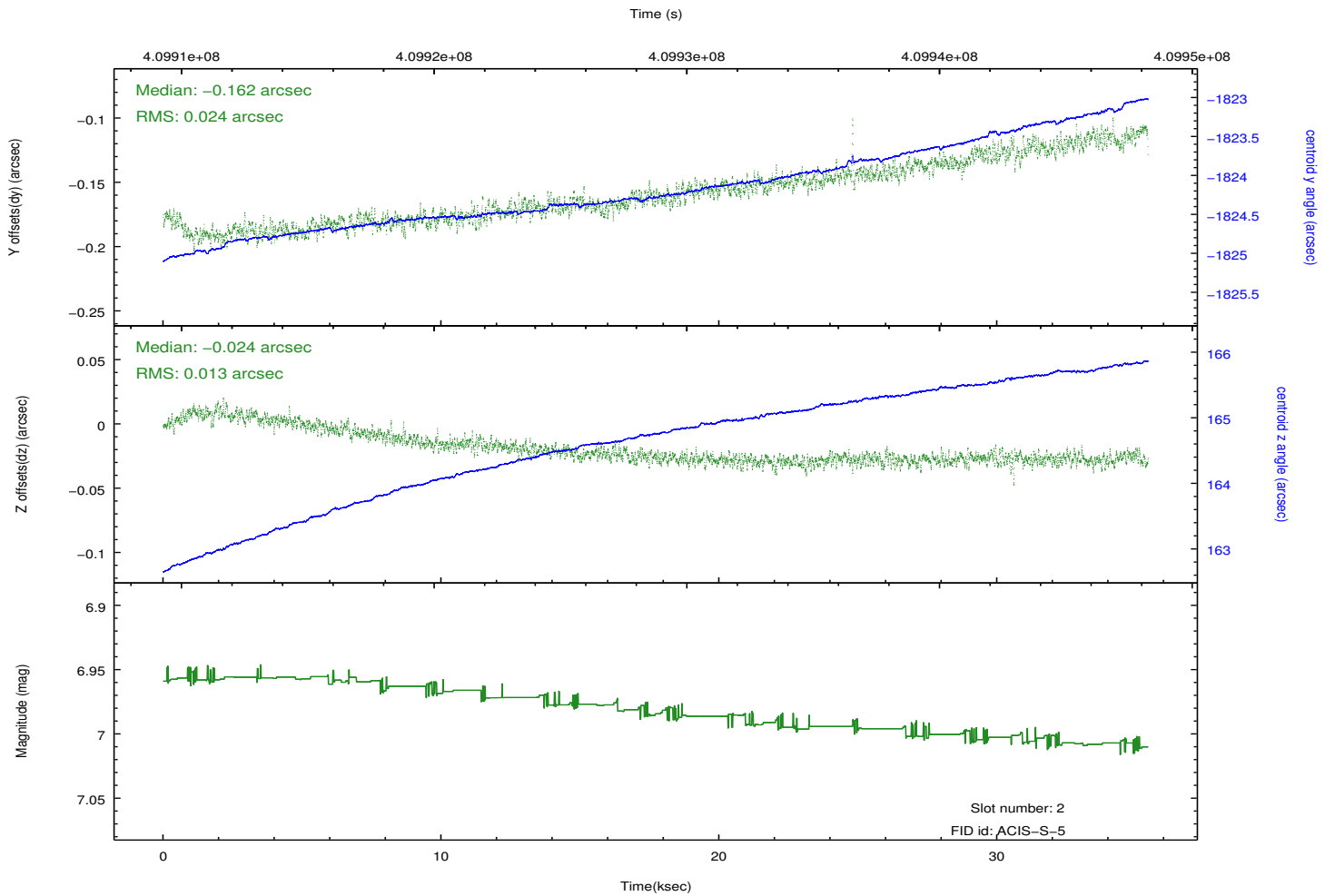
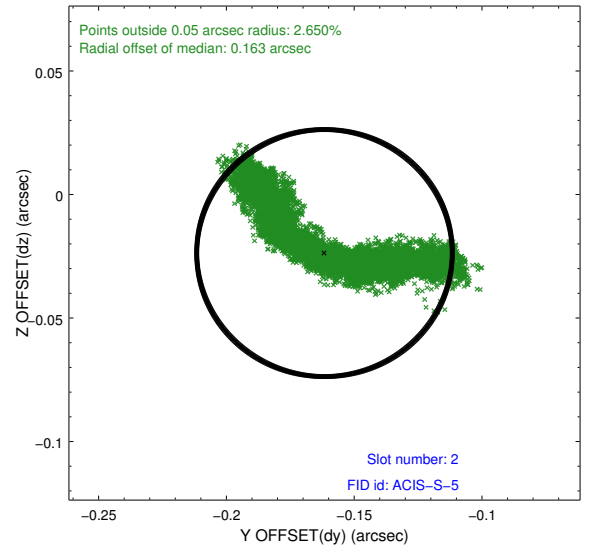
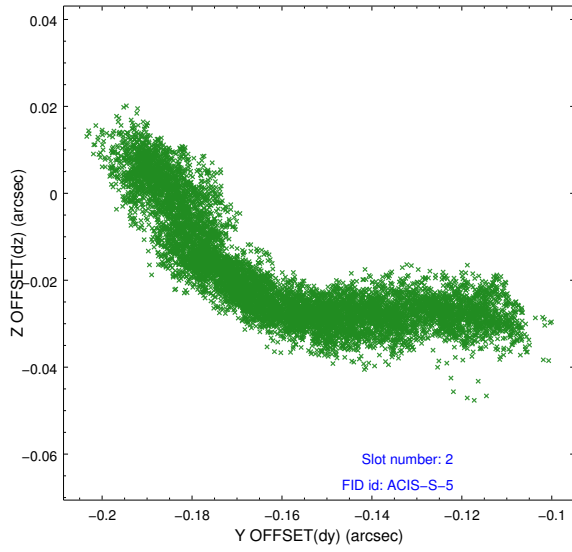
2.5.1 Slot 0



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)	2012.07.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.067

A.2 Comments