

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10644 - L2 Version 2
Chandra X-Ray Center

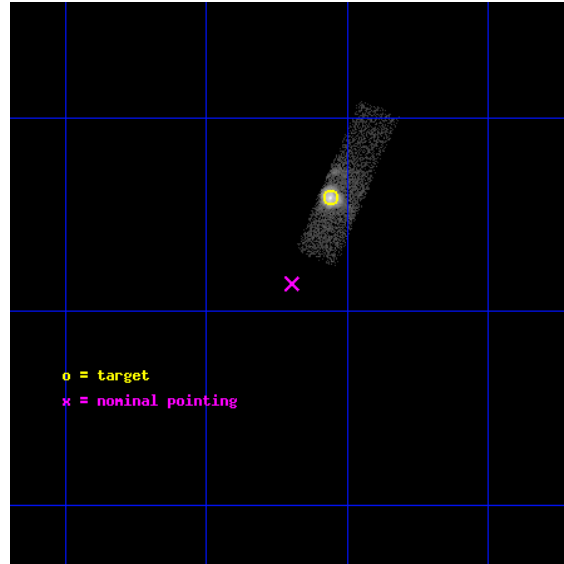
L2 Processing Date : Jun 8 2012

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1 Front

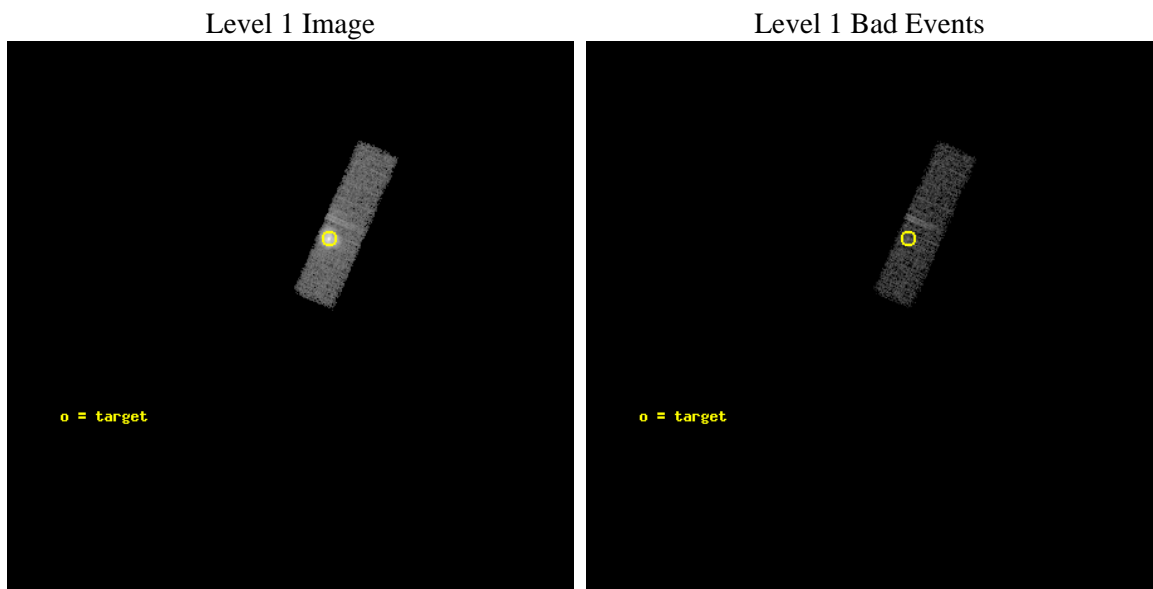
seq_num	590483	Sequence number
obs_id	10644	Observation id
title	AO-10 Observations of the Standard Candles Cas A and G21.5-09.	Pro
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-09[S2,-120,5.15,0,8]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.389583	Observer's specified target RA [deg]
dec_targ	-10.568528	Observer's specified target Dec [deg]
ra_nom	278.42414805243	Nominal RA [deg]
dec_nom	-10.642833307331	Nominal Dec [deg]
roll_nom	113.58706847999	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10134.400151074	Sum of GTIs [s]
livetime	9639.8745848701	Livetime [s]
ontime6	10134.400151074	Sum of GTIs [s]
l2events	27597	Number of level 2 events



2 OBI

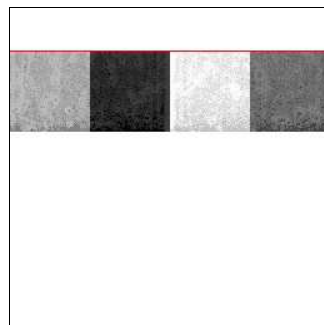
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 6



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10134.400151074	Sum of GTIs [s]
caldsver	4.4.10	 	ontime6	10134.400151074	Sum of GTIs [s]
date	2012-06-08T06:10:59	Date and time of file creation	l1events	57061	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

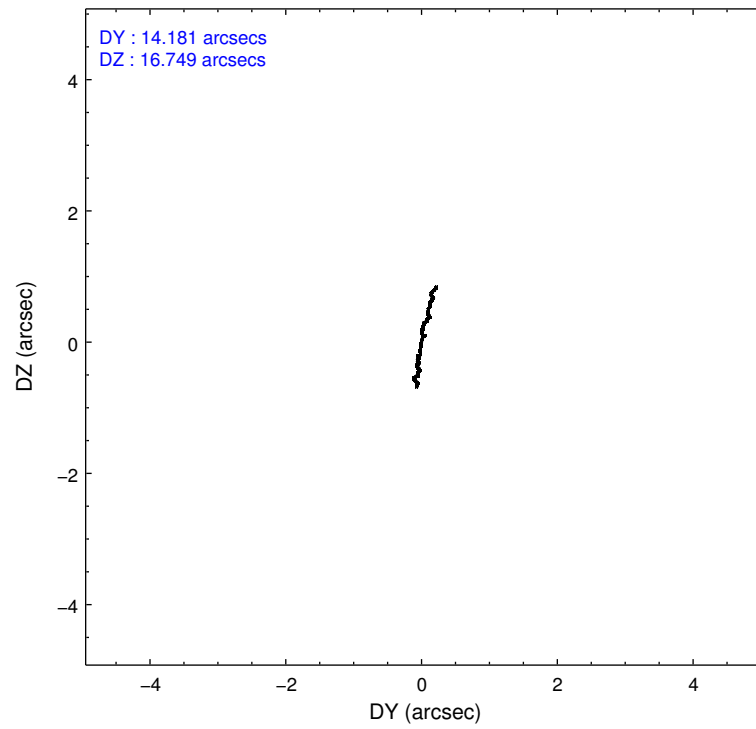
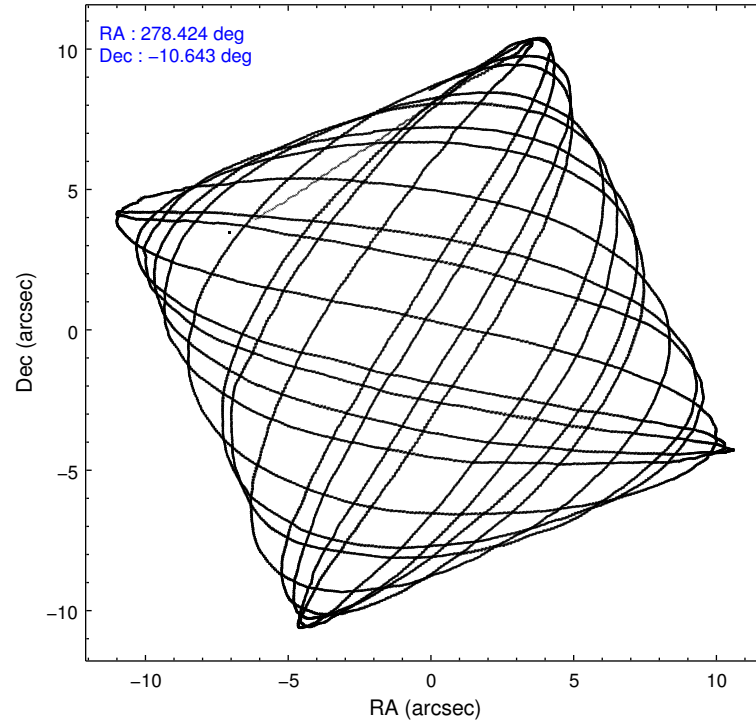
	ccd 6
level 1 events	57061
rejected events	27671
rejected %	48%

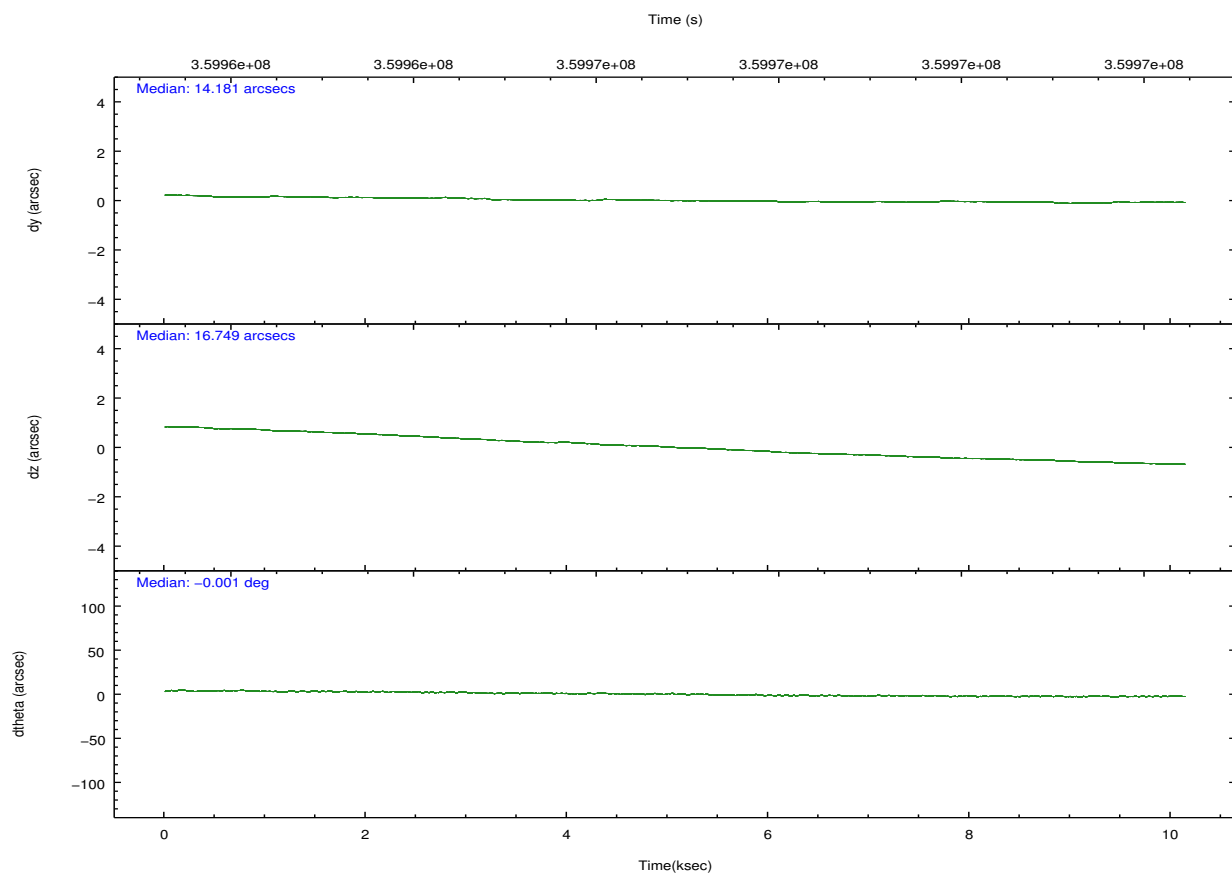
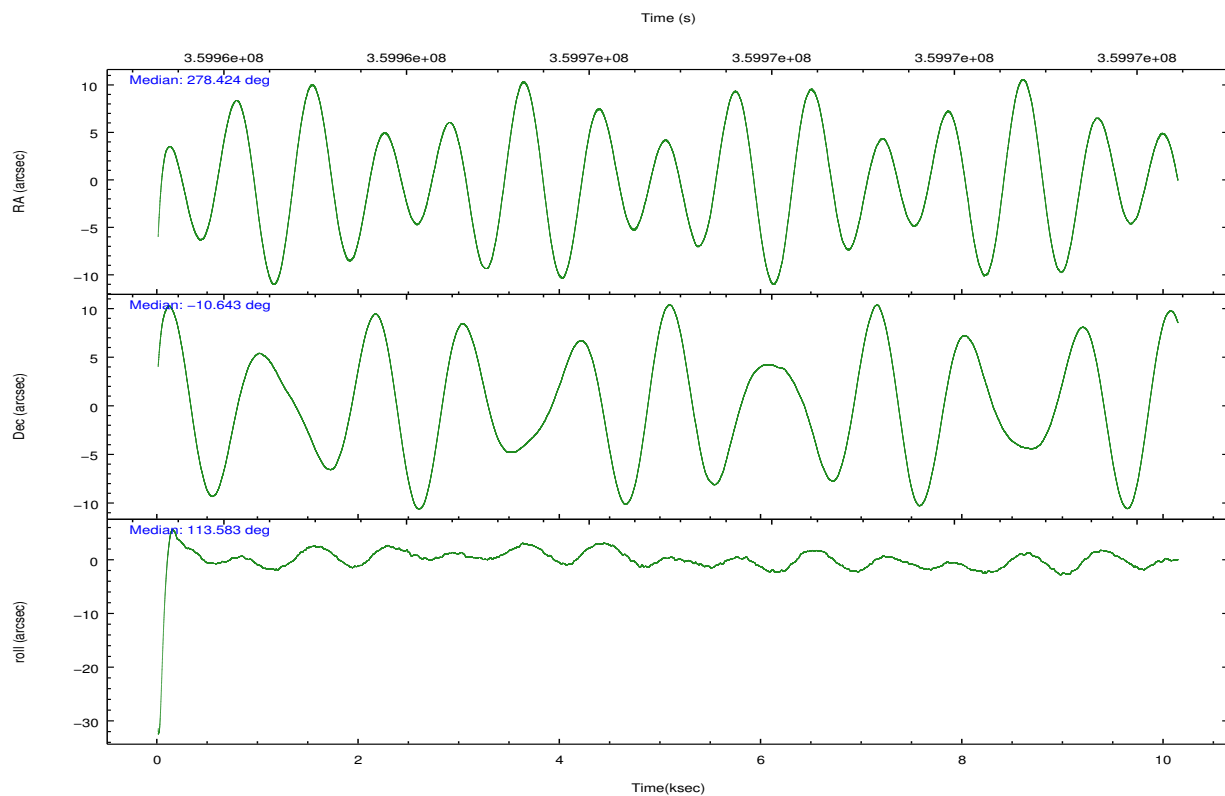
	ccd 6
grade 0 events	21133
	37%
grade 1 events	89
	0%
grade 2 events	3756
	6%
grade 3 events	1620
	2%
grade 4 events	1666
	2%
grade 5 events	975
	1%
grade 6 events	1842
	3%
grade 7 events	25980
	45%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-6	ACIS-6	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	278.446748	278.4241480524252	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-10.658792	-10.64283330733062	Subarray start row	630	630
[deg] Pointing Roll	113.434664	113.5870684799874	Subarray row count	256	256
[s] Window start time (MET)	349833666.184000	349833666.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	360115266.184000	360115266.184000	[s] Primary exposure time	0.000000	0.8
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-198.132523	-198.128045762928			
[mm] SIM translation stage offset	8	7.995523179920184			
[s] Observation start time (MET)	359961941.184000	359960696.75871			
Observation start date	2009-05-29T05:24:35	2009-05-29T05:04:56			
[s] Observation end time (MET)	359971941.184000	359972074.77177			
Observation end date	2009-05-29T08:11:15	2009-05-29T08:14:34			
Read mode	TIMED	TIMED			

2.3 Aspect



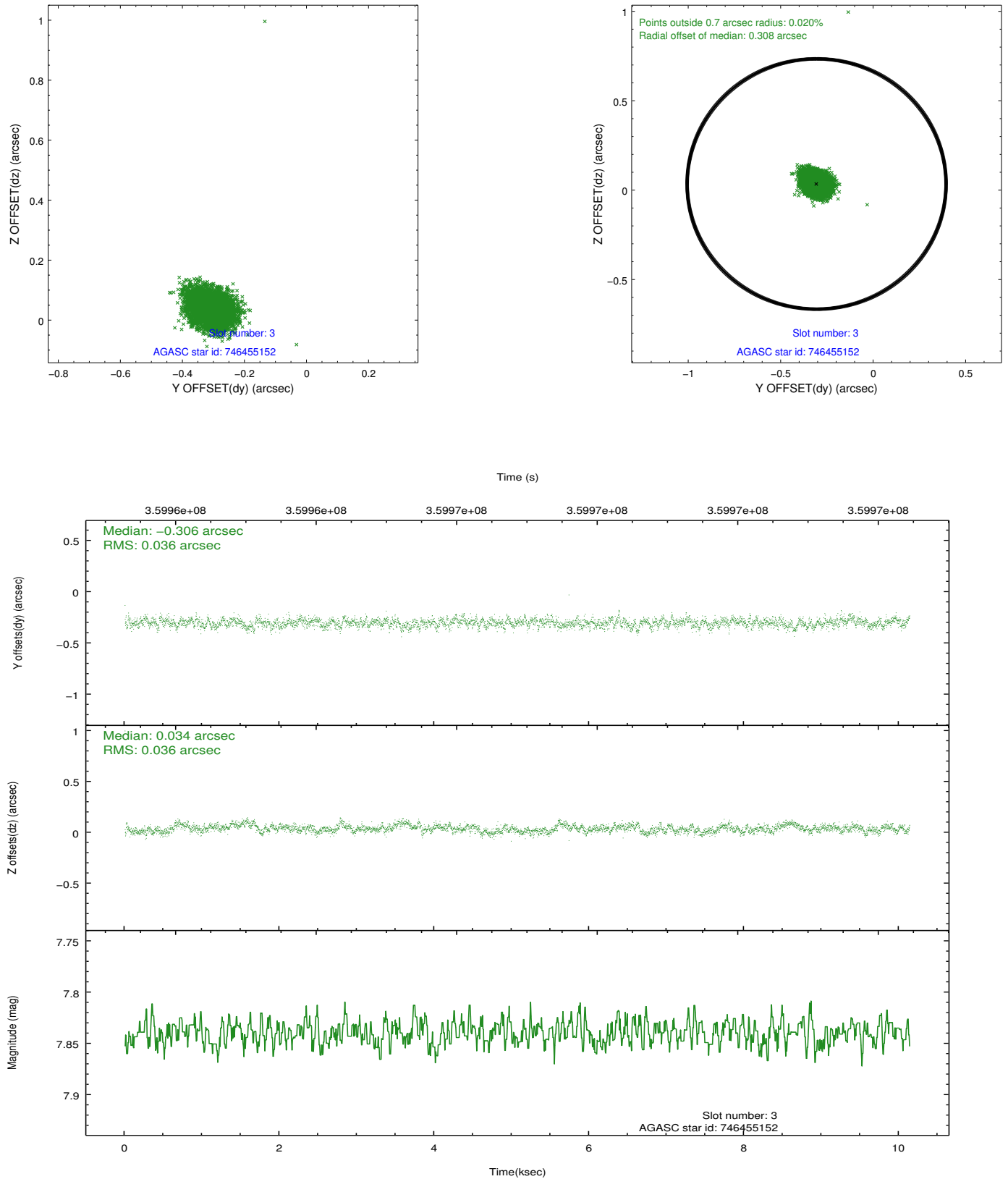


Slot Statistics

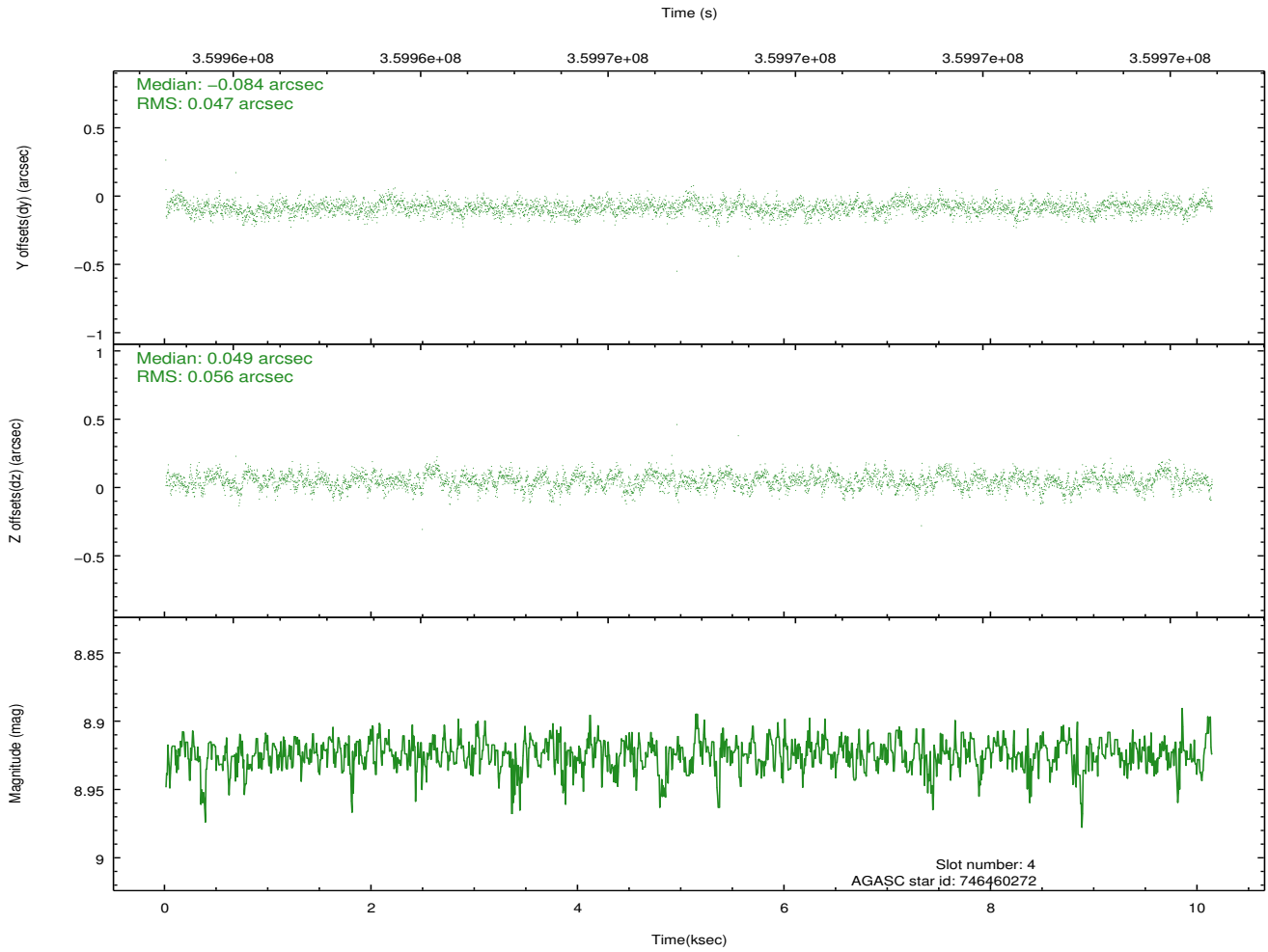
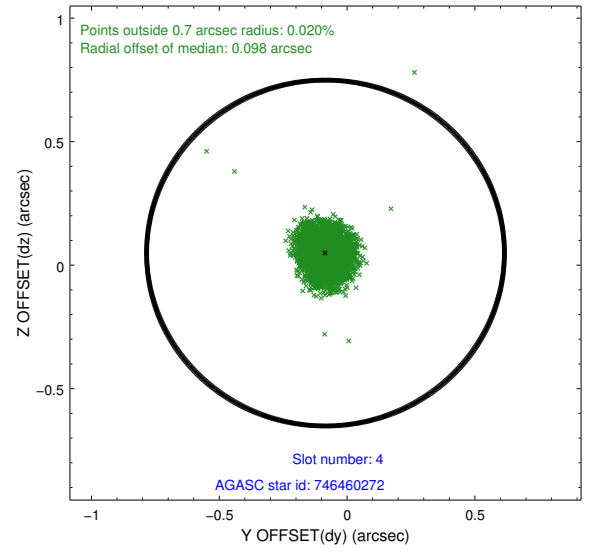
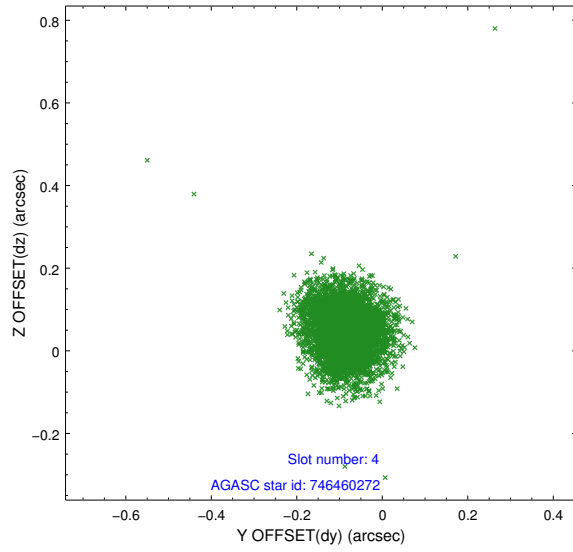
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	2471	0.042	0.099	0.012	0.018	0.000000	0.000000	-767.67	-1573.33
1	FID	ACIS-S-4	6.99	2472	0.140	-0.046	0.008	0.013	0.000000	0.000000	2145.55	334.41
2	FID	ACIS-S-5	6.98	2472	-0.214	-0.043	0.011	0.018	0.000000	0.000000	-1820.01	328.86
3	GUIDE	746455152	7.84	4944	-0.306	0.034	0.051	0.086	278.447893	-9.976732	2251.38	-979.77
4	GUIDE	746460272	8.92	4937	-0.084	0.049	0.076	0.125	278.847488	-10.152127	1108.81	-2027.77
5	GUIDE	746462392	8.54	4938	0.160	0.006	0.065	0.105	279.038421	-10.890715	-1601.11	-1586.86
6	GUIDE	746462456	8.39	4941	0.018	-0.110	0.067	0.109	278.652171	-10.530173	134.27	-850.98
7	GUIDE	746462680	9.02	4936	0.216	0.026	0.081	0.131	278.660755	-10.782756	-710.08	-516.67

2.4 Star Slots

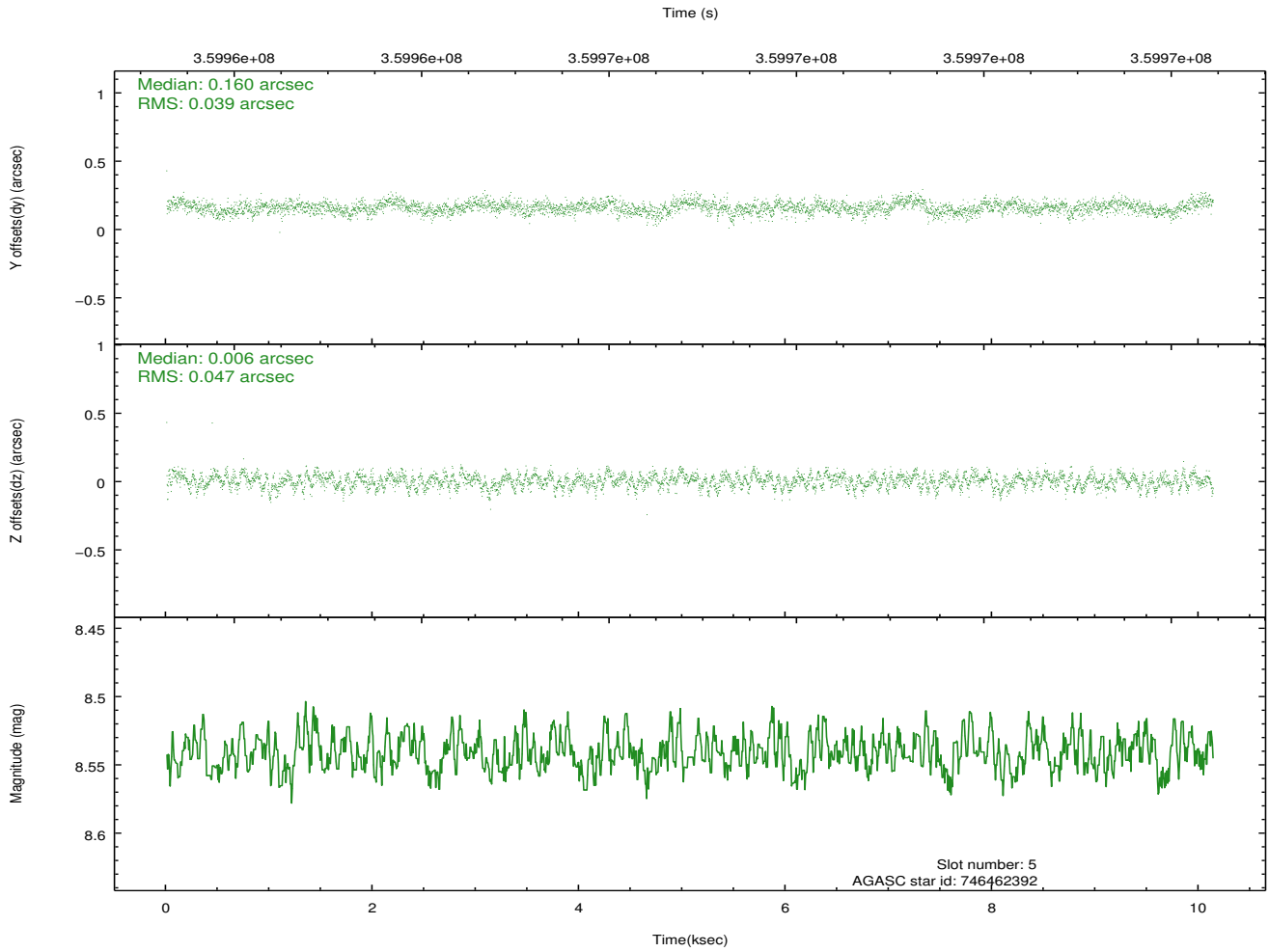
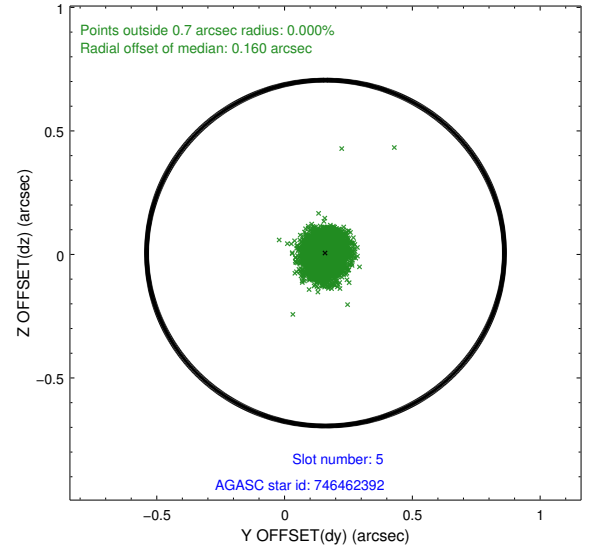
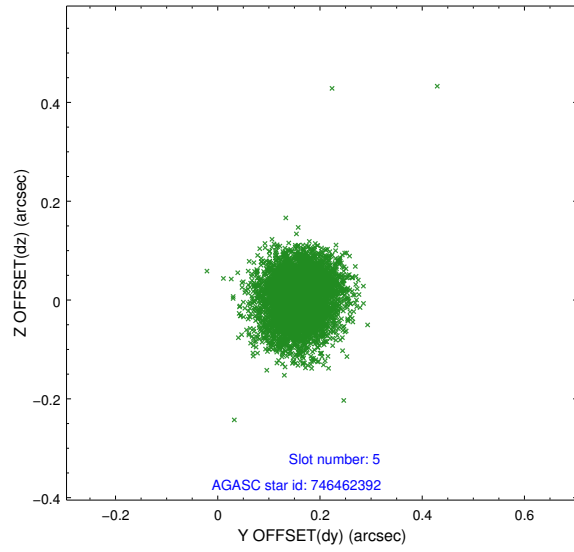
2.4.1 Slot 3



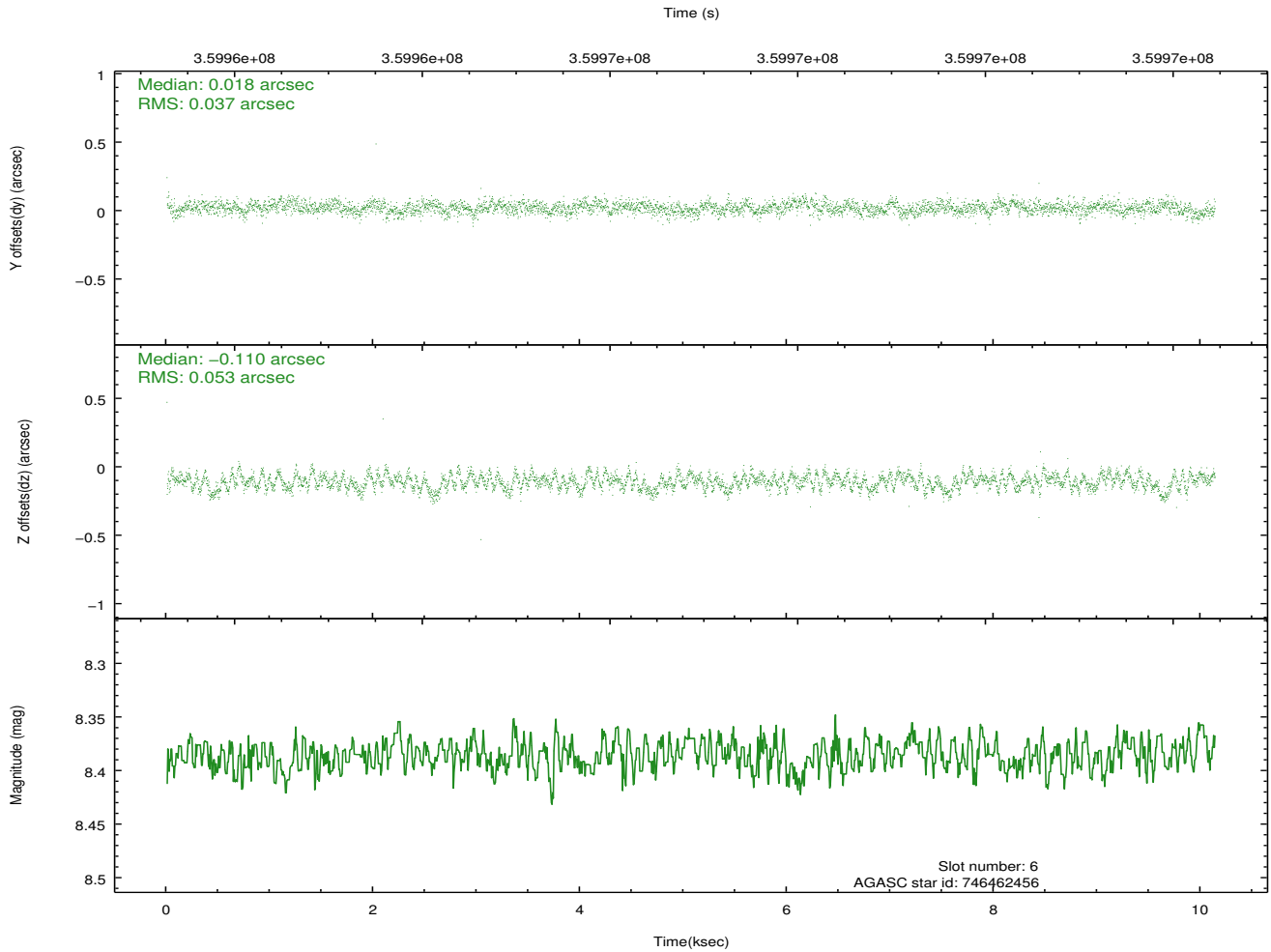
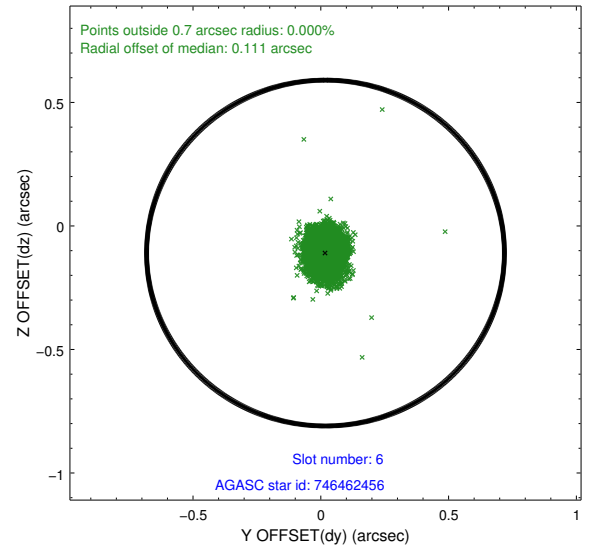
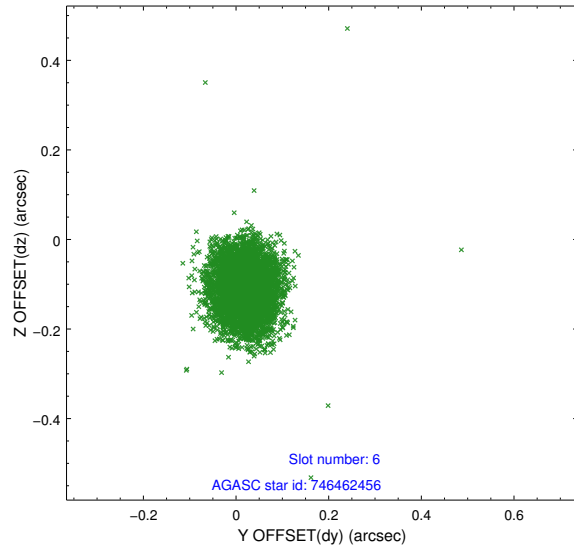
2.4.2 Slot 4



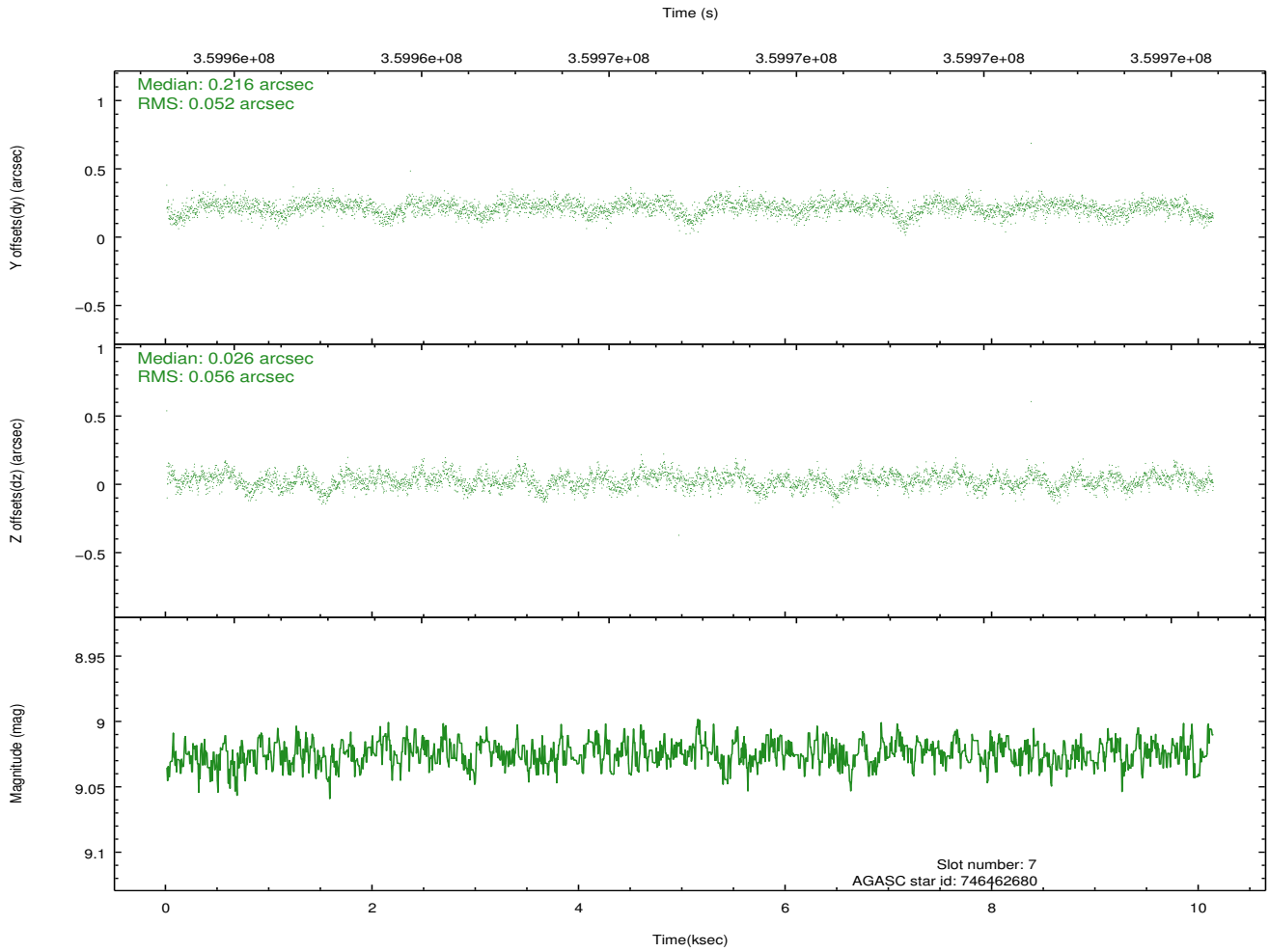
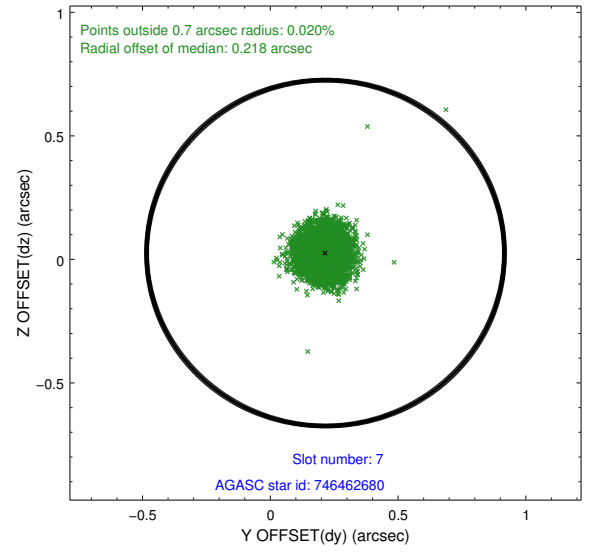
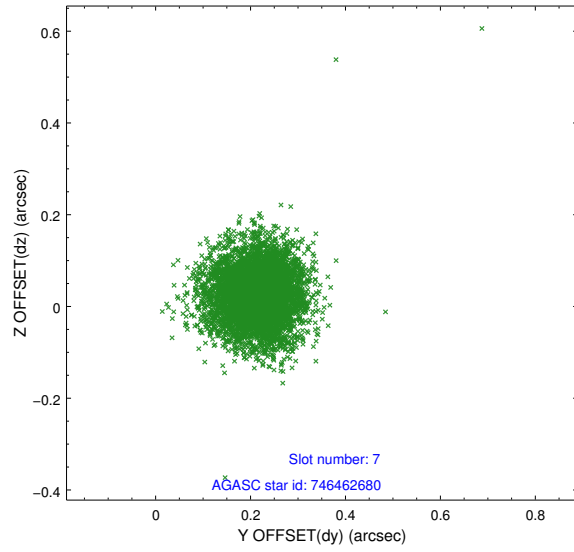
2.4.3 Slot 5



2.4.4 Slot 6

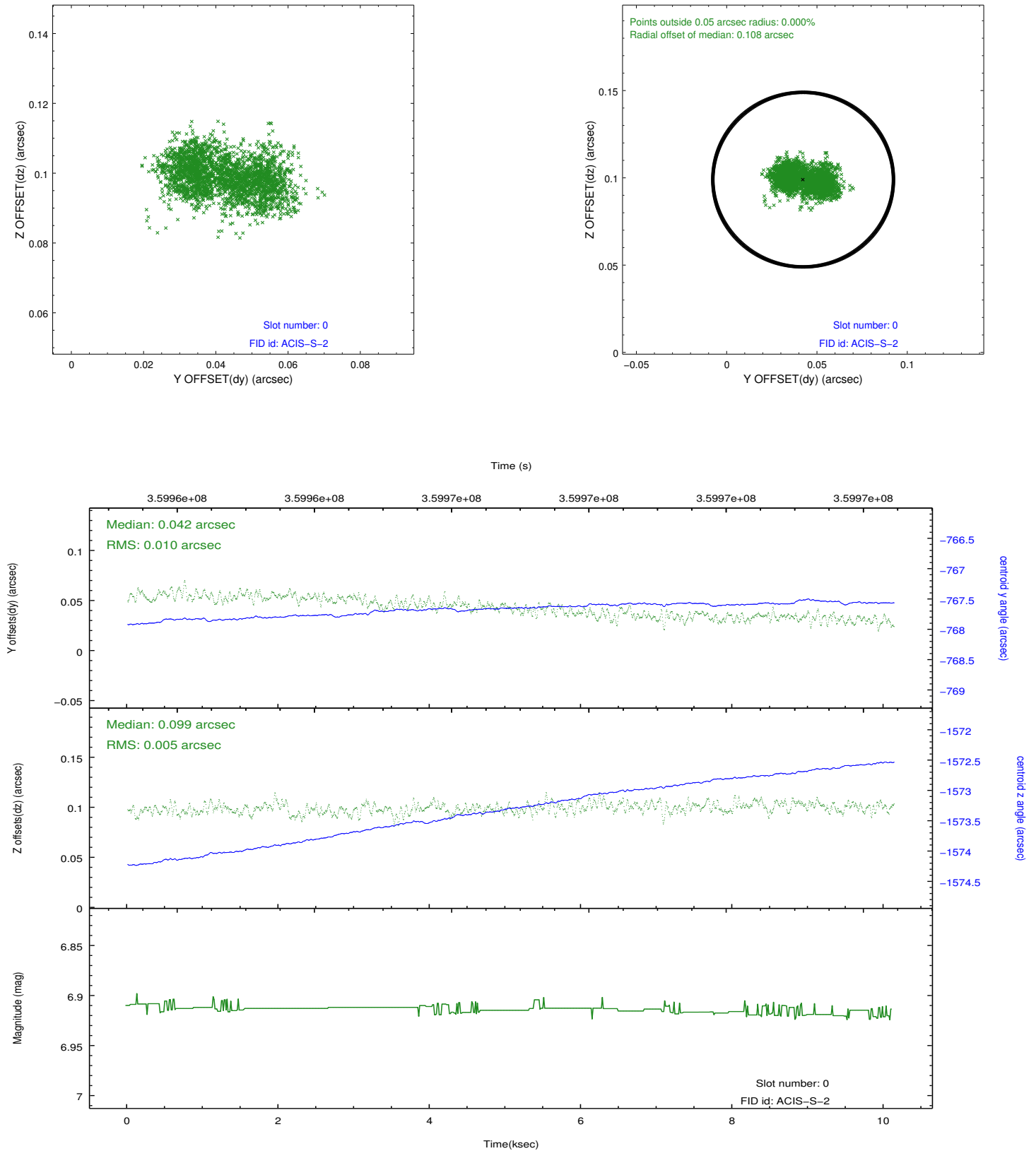


2.4.5 Slot 7

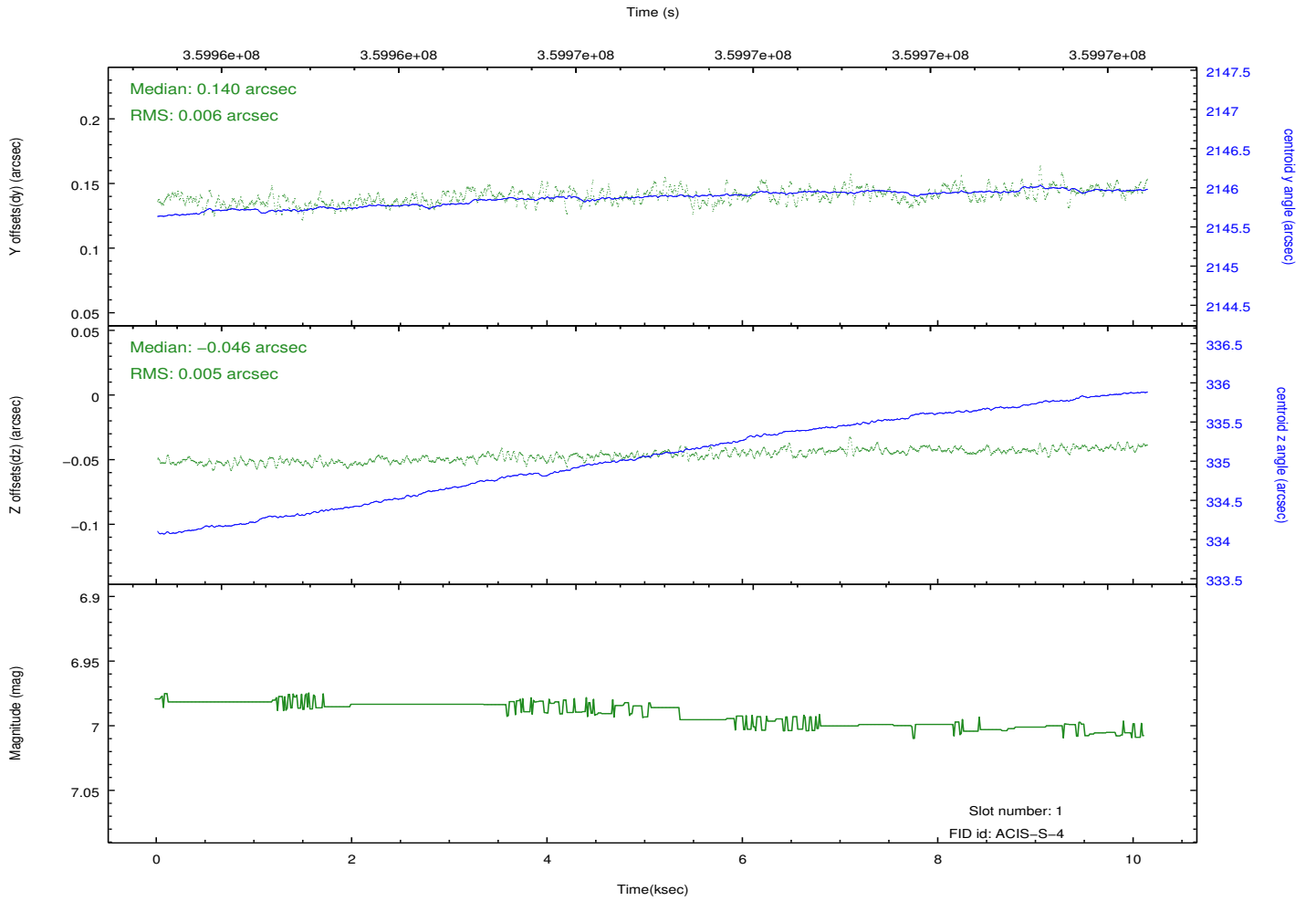
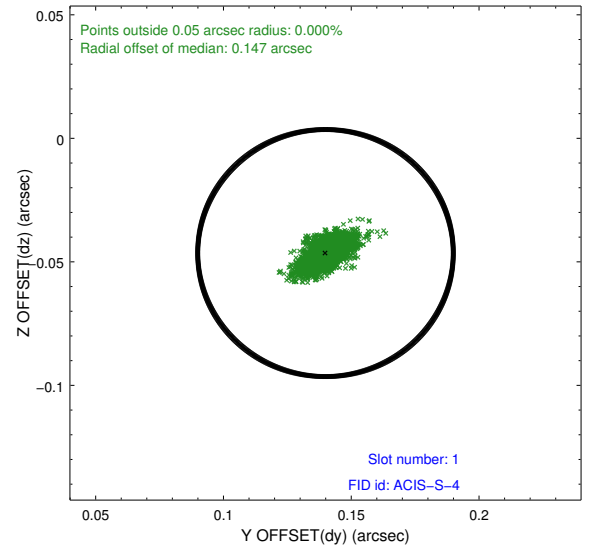
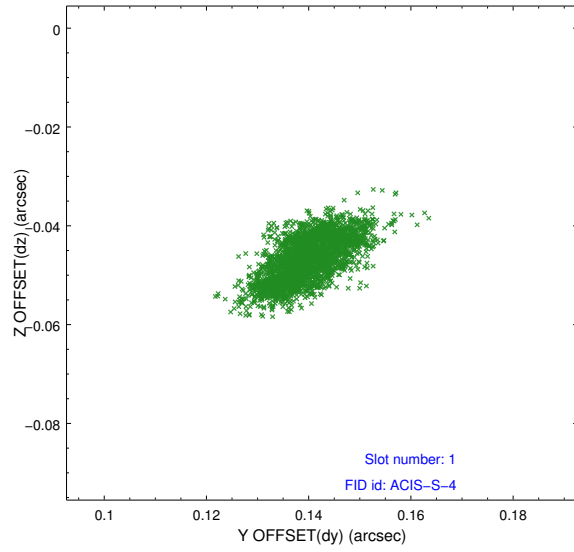


2.5 FID Slots

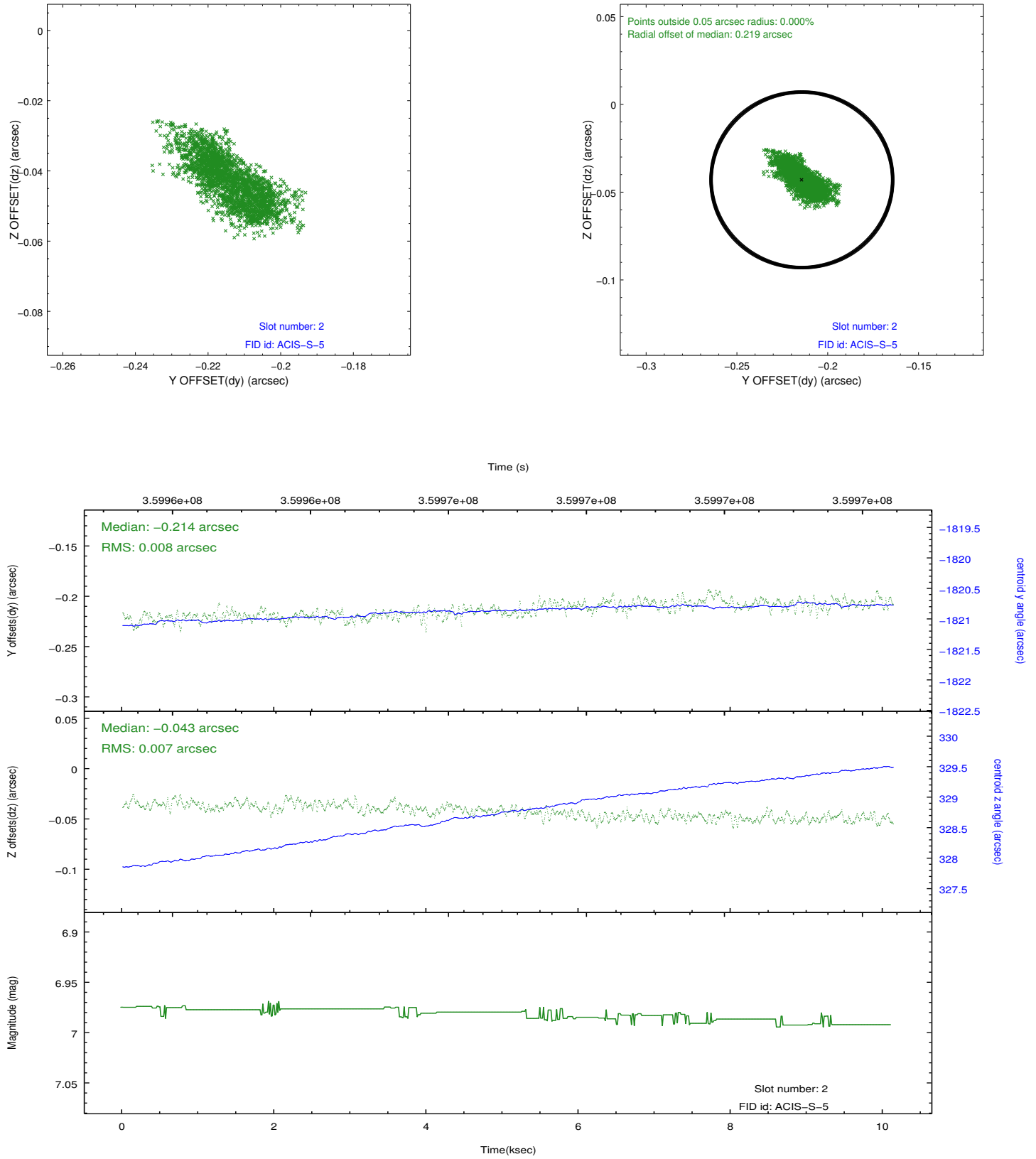
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.1344001

A.2 Comments

Window constraint met.