

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12105 - L2 Version 2
Chandra X-Ray Center

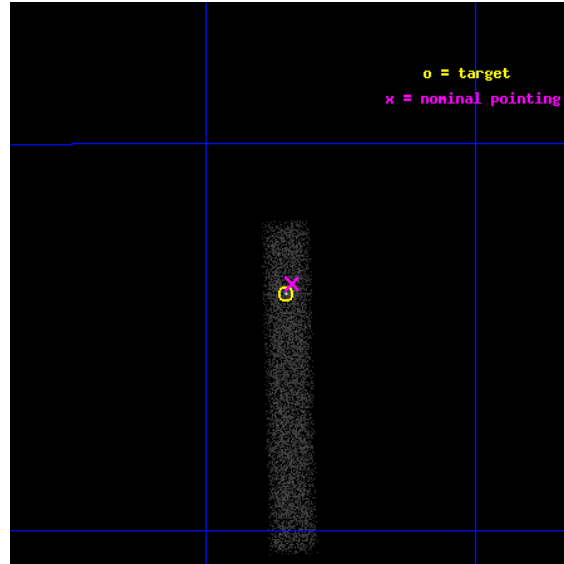
L2 Processing Date : Jun 21 2012

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1 Front

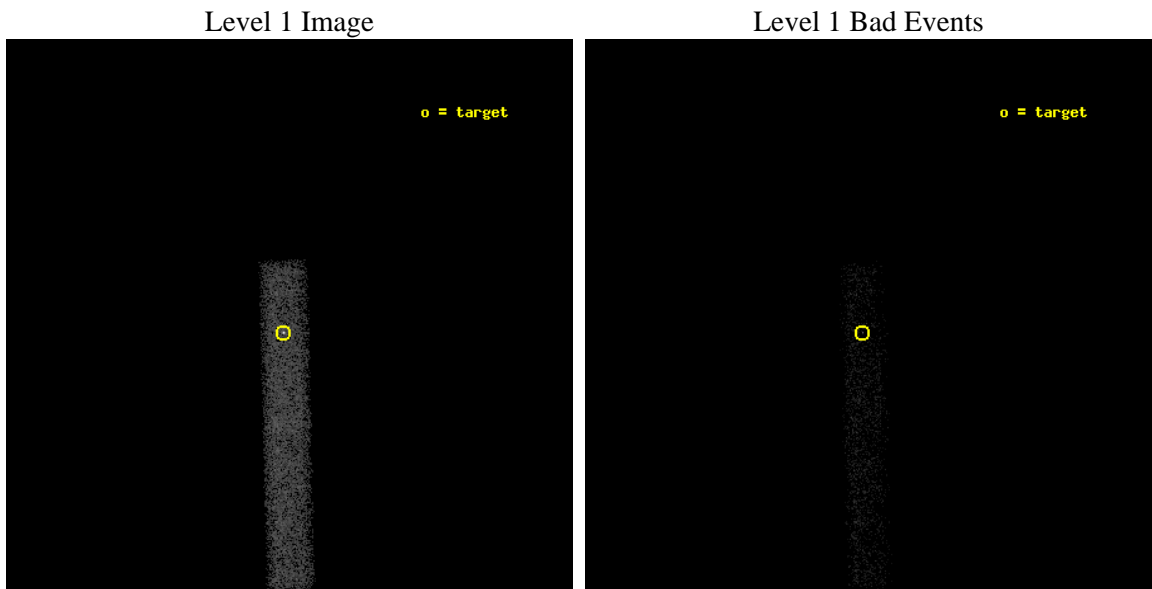
seq_num	501188	Sequence number
obs_id	12105	Observation id
title	Unveiling the nature of cyclic behavior in the period evolution of the Anomalous X ray Pulsar XTE j1810-197	Proposal title
observer	Dr. Federico Bernardini	Principal investigator
object	XTE J1810-197	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	272.462917	Observer's specified target RA [deg]
dec_targ	-19.731083	Observer's specified target Dec [deg]
ra_nom	272.46034043782	Nominal RA [deg]
dec_nom	-19.72690900573	Nominal Dec [deg]
roll_nom	88.55576645104	Nominal Roll [deg]
revision	2	Processing version of data
ontime	12627.19924736	Sum of GTIs [s]
livetime	11452.20319913	Livetime [s]
ontime7	12627.19924736	Sum of GTIs [s]
l2events	11050	Number of level 2 events



2 OBI

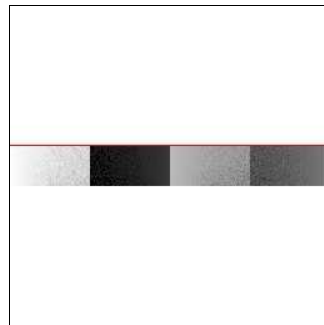
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	12500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	12627.19924736	Sum of GTIs [s]
caldbver	4.4.10	 	ontime7	12627.19924736	Sum of GTIs [s]
date	2012-06-21T14:49:23	Date and time of file creation	l1events	21223	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

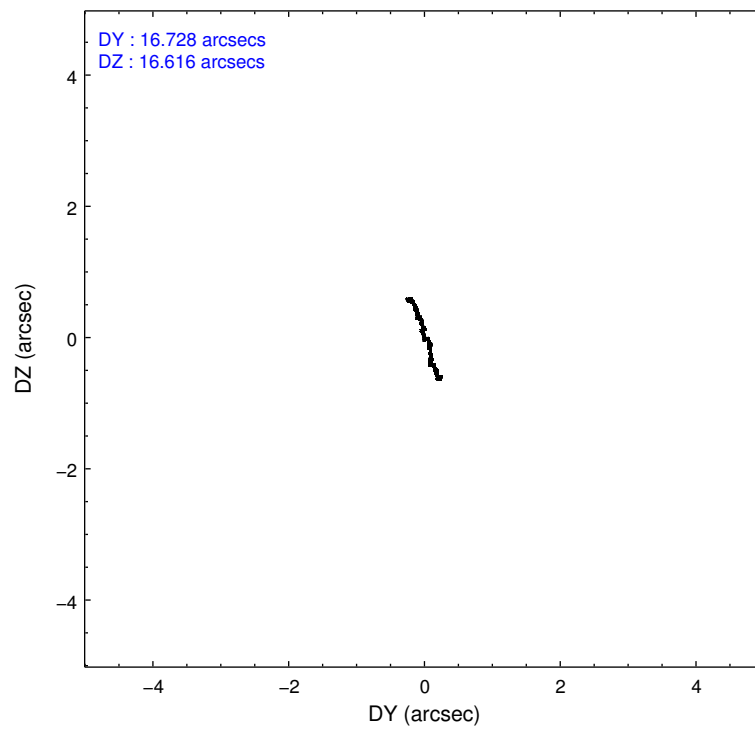
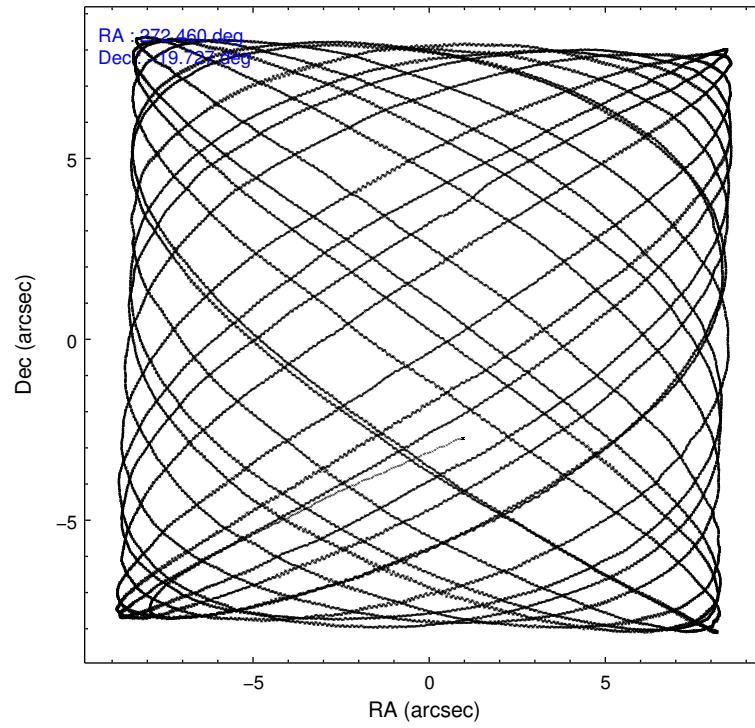
	ccd 7
level 1 events	21223
rejected events	9781
rejected %	46%

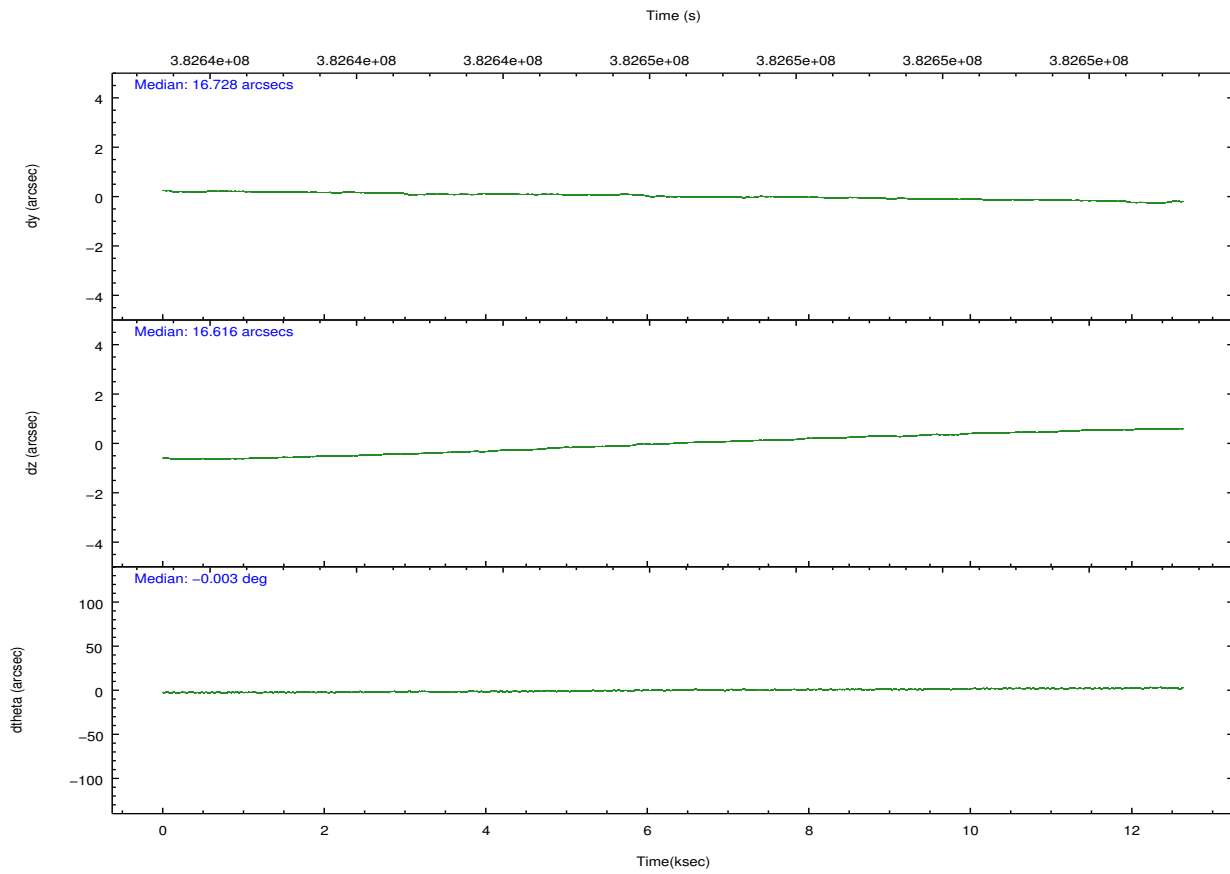
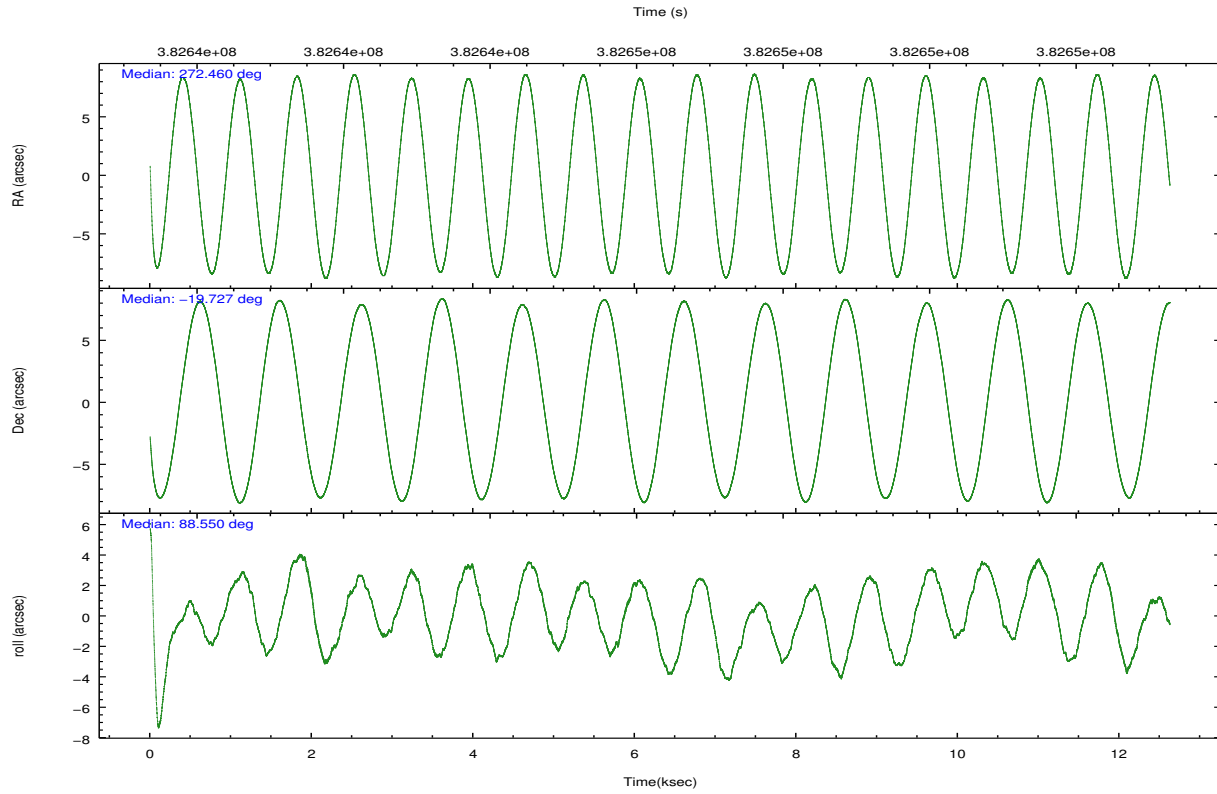
	ccd 7
grade 0 events	1697
	7%
grade 1 events	30
	0%
grade 2 events	2672
	12%
grade 3 events	1610
	7%
grade 4 events	1601
	7%
grade 5 events	1966
	9%
grade 6 events	4697
	22%
grade 7 events	6950
	32%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	272.474557	272.4603404378199	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-19.750734	-19.72690900572963	Subarray start row	449	449
[deg] Pointing Roll	88.403932	88.55576645103967	Subarray row count	128	128
[s] Window start time (MET)	381369666.184000	381369666.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	383702466.184000	383702466.184000	[s] Primary exposure time	0.000000	0.4
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	382640133.184000	382638849.03655			
Observation start date	2010-02-15T16:54:27	2010-02-15T16:34:09			
[s] Observation end time (MET)	382652633.184000	382653902.18732			
Observation end date	2010-02-15T20:22:47	2010-02-15T20:45:02			
Read mode	TIMED	TIMED			

2.3 Aspect



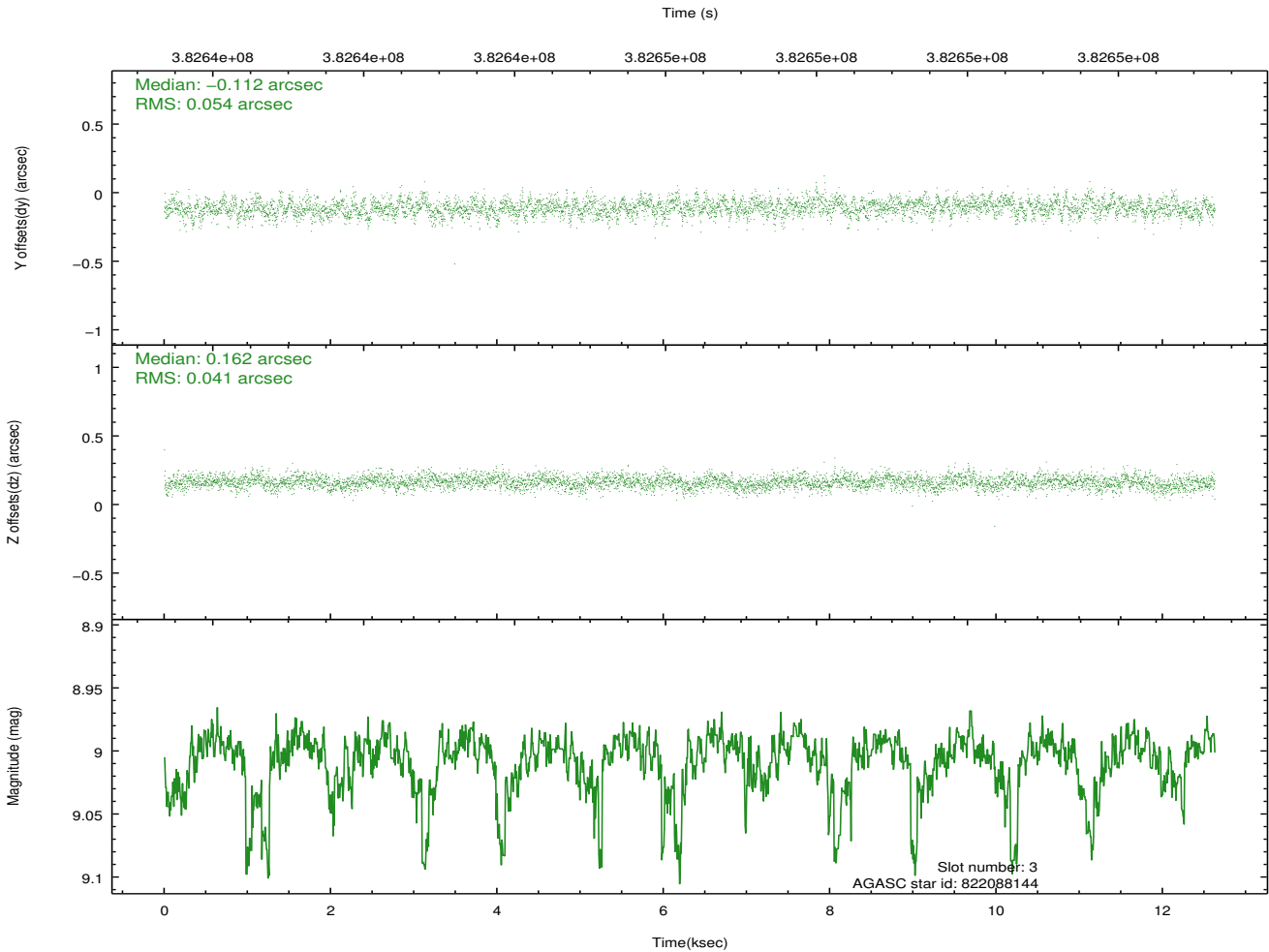
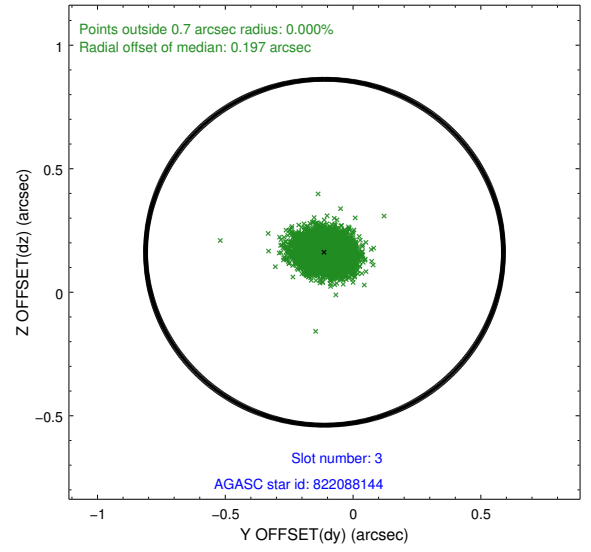
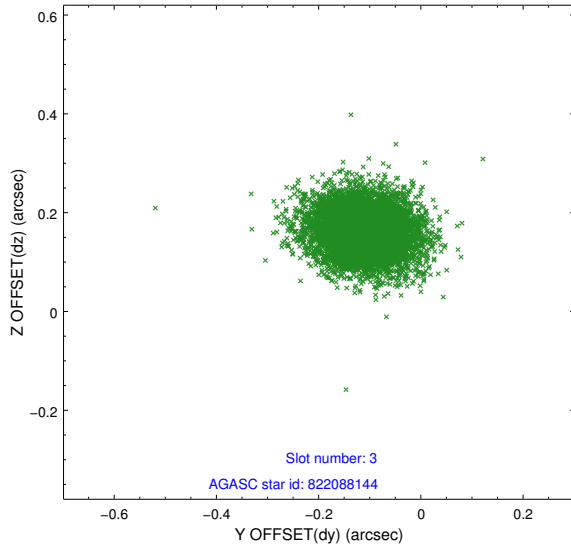


Slot Statistics

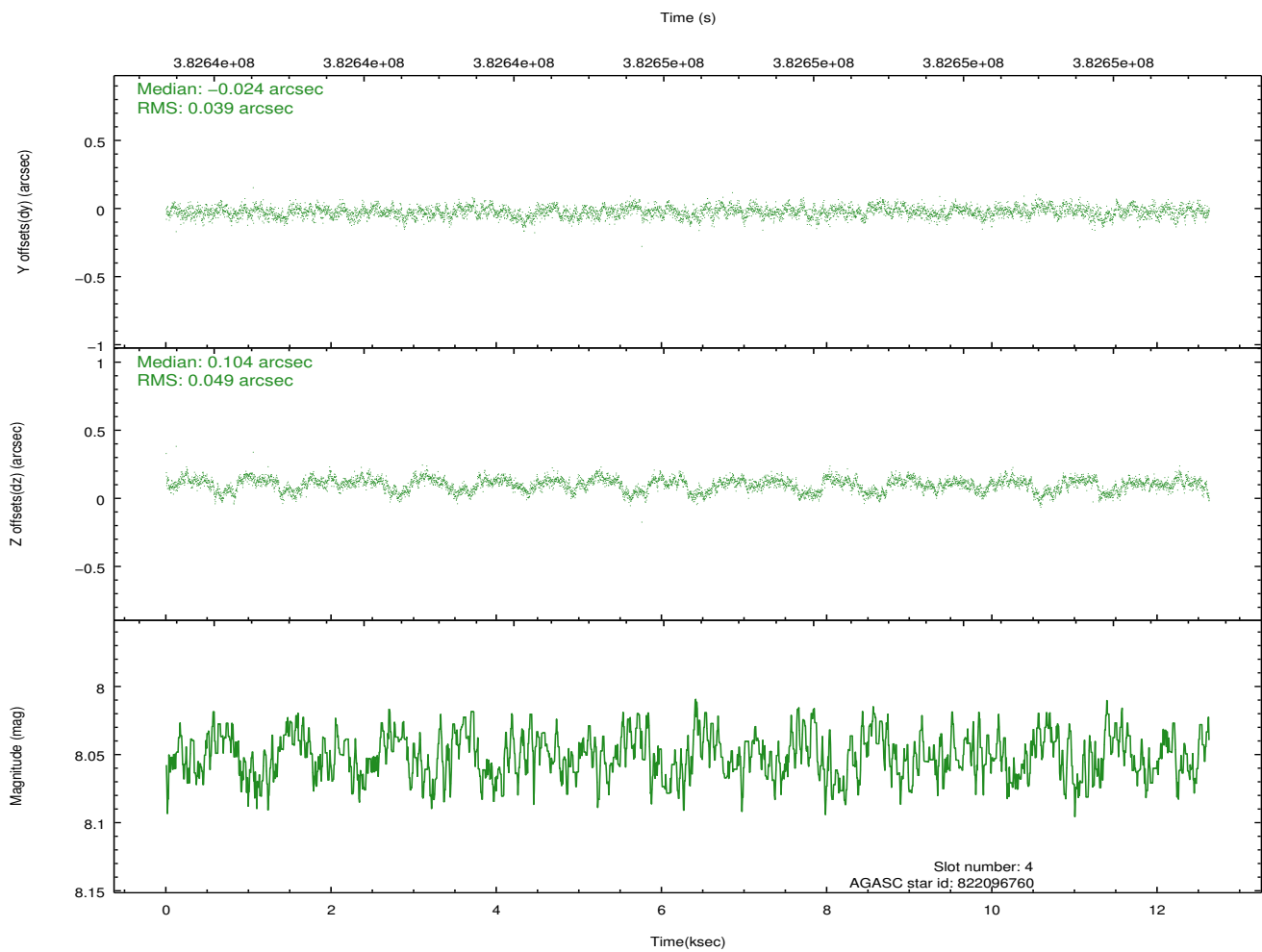
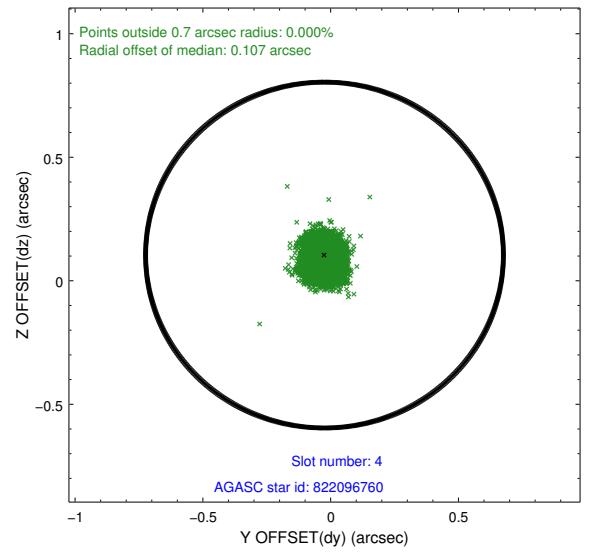
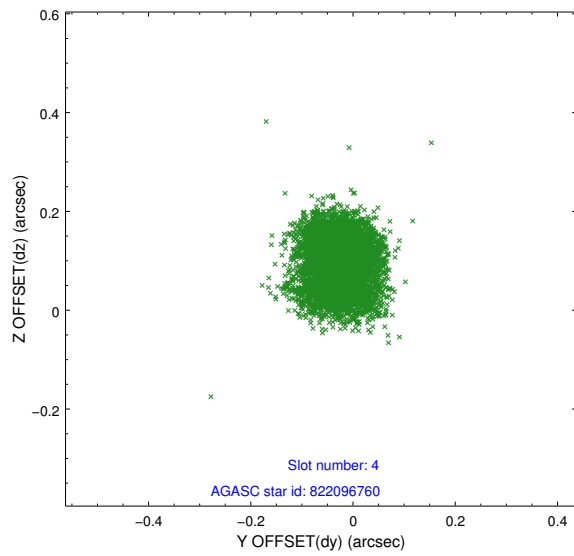
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	3080	-0.077	-0.029	0.019	0.025	0.000000	0.000000	-769.85	-1737.98
1	FID	ACIS-S-4	6.99	3080	0.163	0.044	0.007	0.013	0.000000	0.000000	2143.50	170.14
2	FID	ACIS-S-5	7.02	3079	-0.118	-0.008	0.019	0.026	0.000000	0.000000	-1822.22	164.24
3	GUIDE	822088144	9.00	6144	-0.112	0.162	0.070	0.118	272.849323	-19.208046	1987.35	-1218.79
4	GUIDE	822096760	8.05	6160	-0.024	0.104	0.066	0.109	272.830526	-19.438690	1156.05	-1176.62
5	GUIDE	822102416	7.50	6157	0.115	-0.172	0.064	0.102	272.173216	-20.087156	-1239.42	984.32
6	GUIDE	820401112	7.93	6160	-0.288	-0.439	0.067	0.105	271.884761	-19.293988	1584.05	2048.97
7	GUIDE	822087128	7.92	6156	0.308	0.354	0.059	0.096	272.956072	-20.371006	-2188.19	-1686.18

2.4 Star Slots

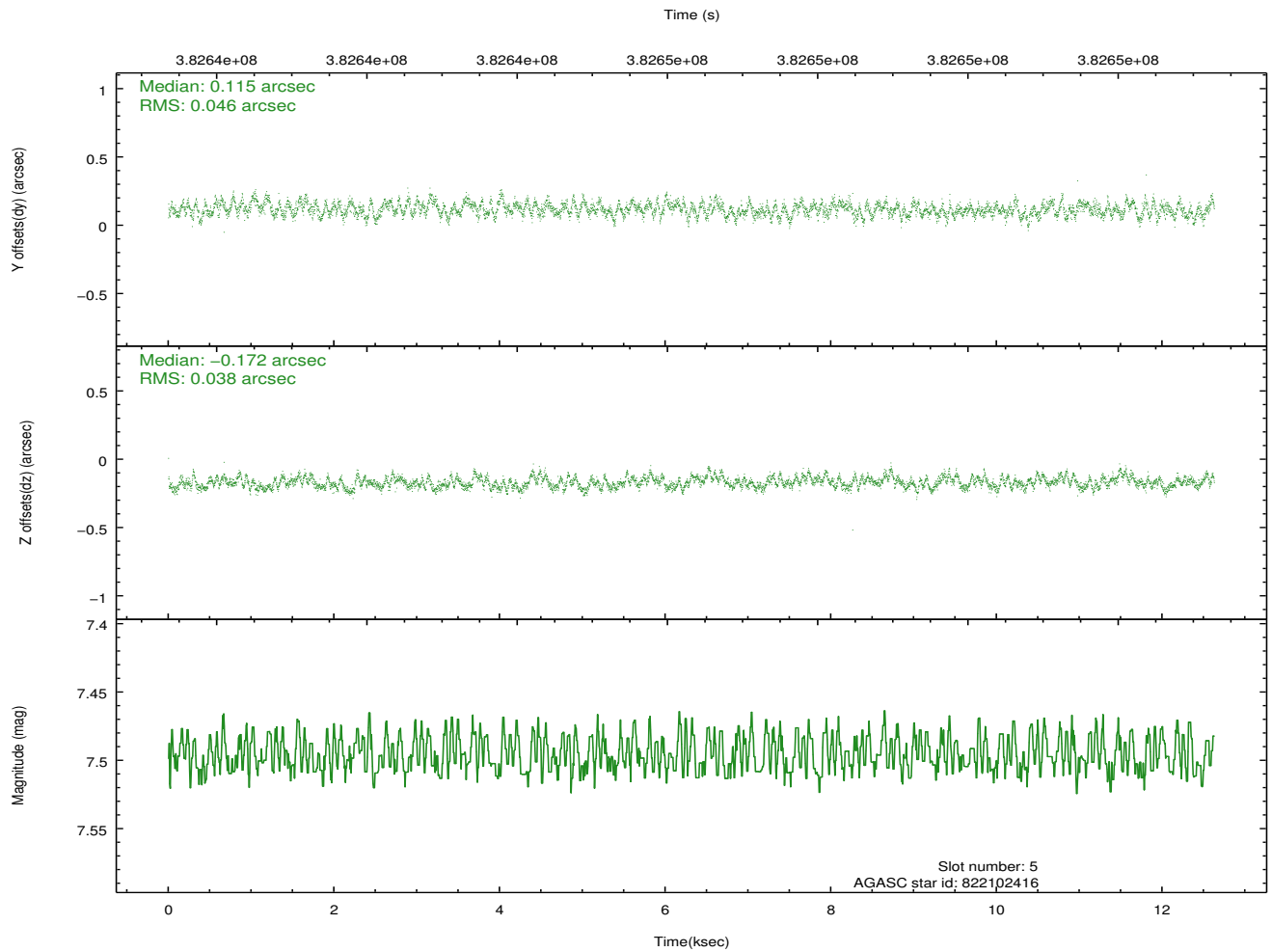
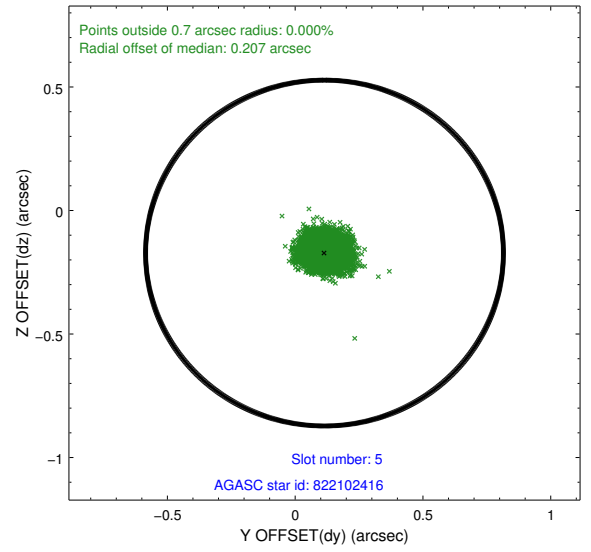
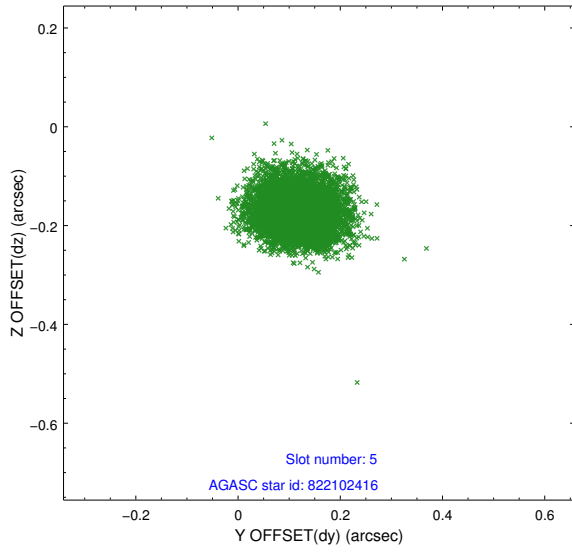
2.4.1 Slot 3



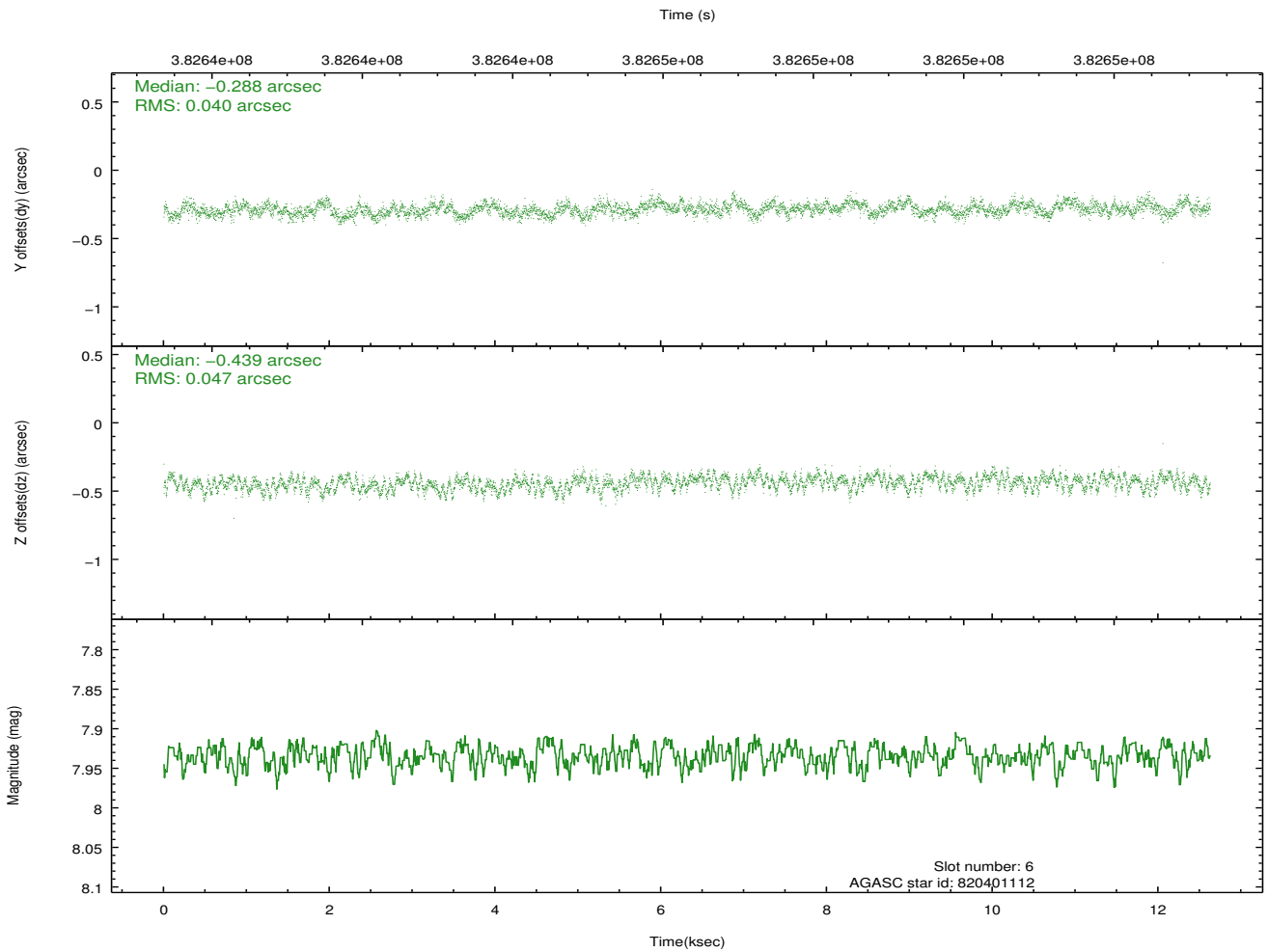
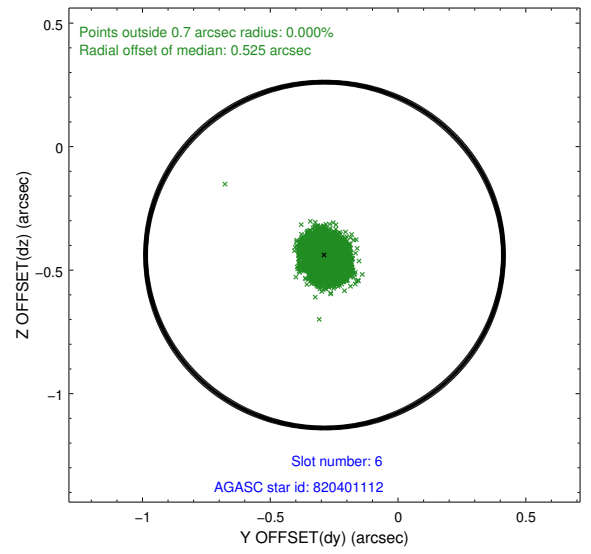
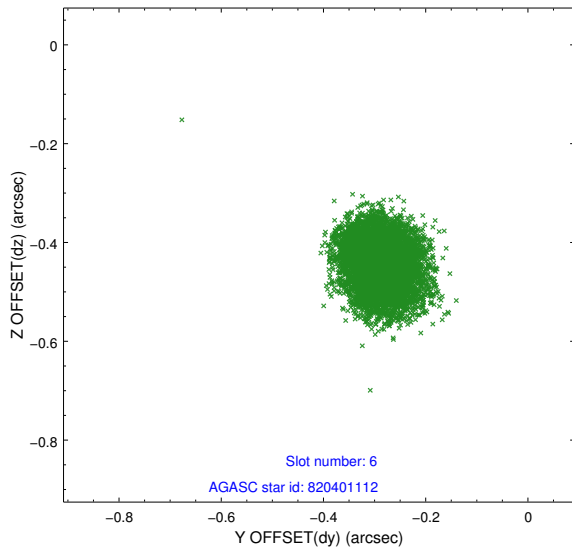
2.4.2 Slot 4



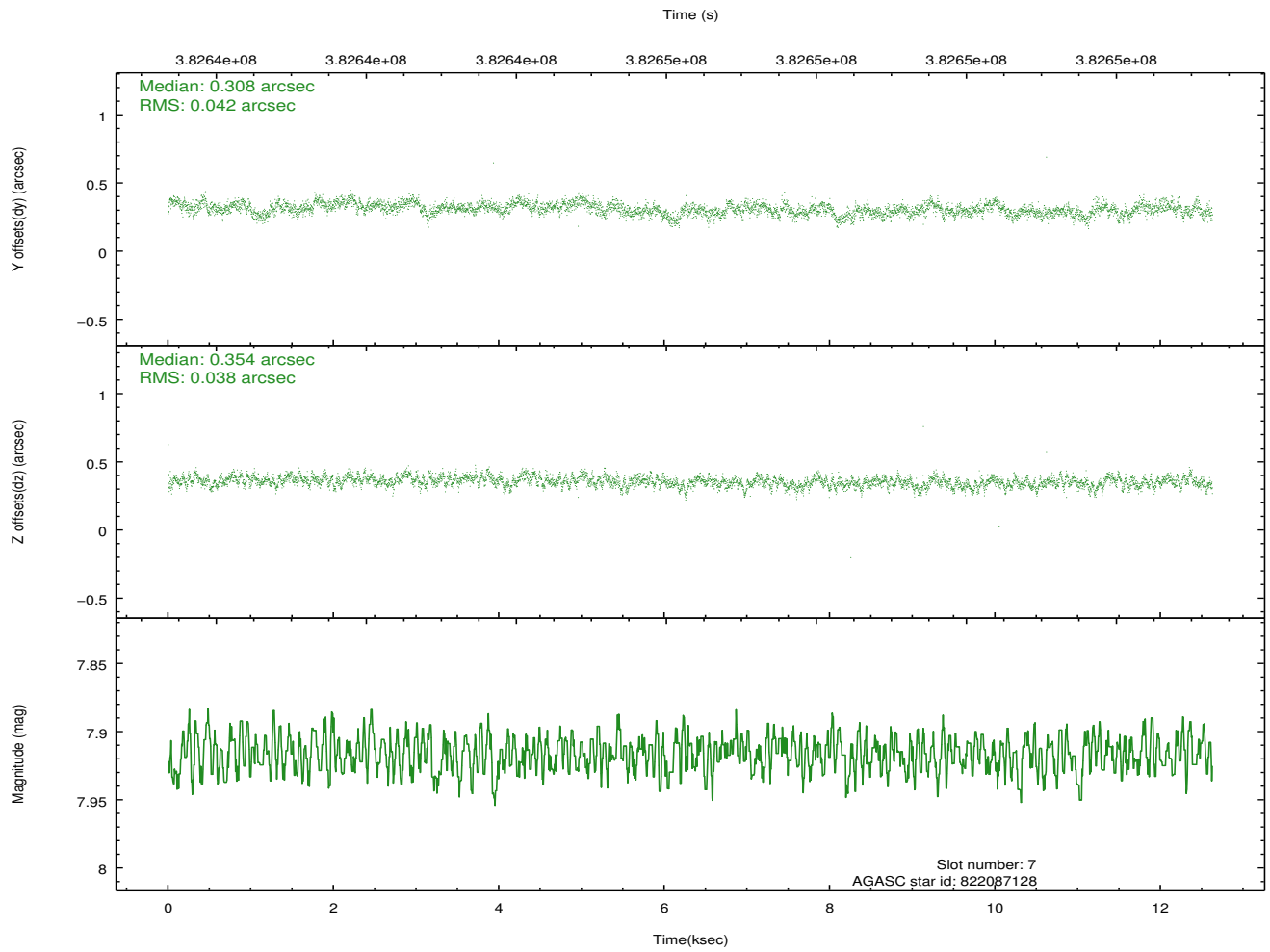
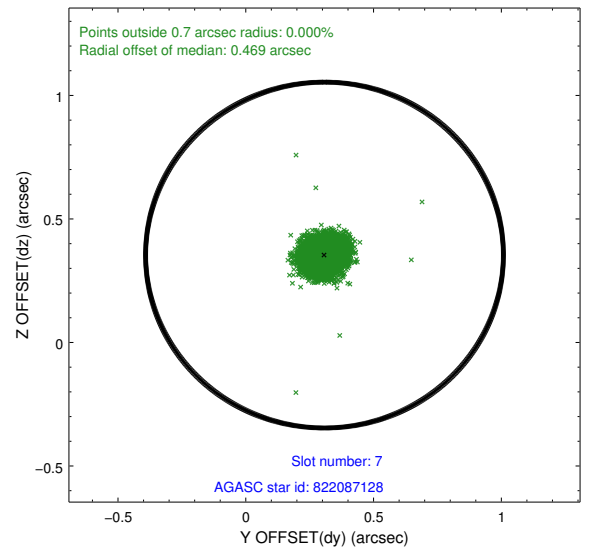
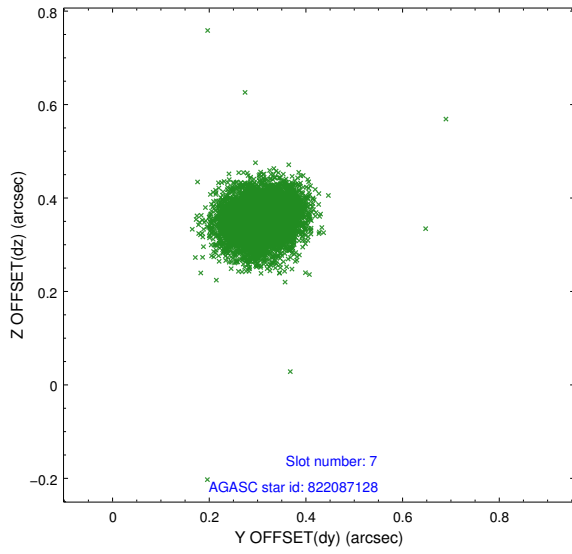
2.4.3 Slot 5



2.4.4 Slot 6

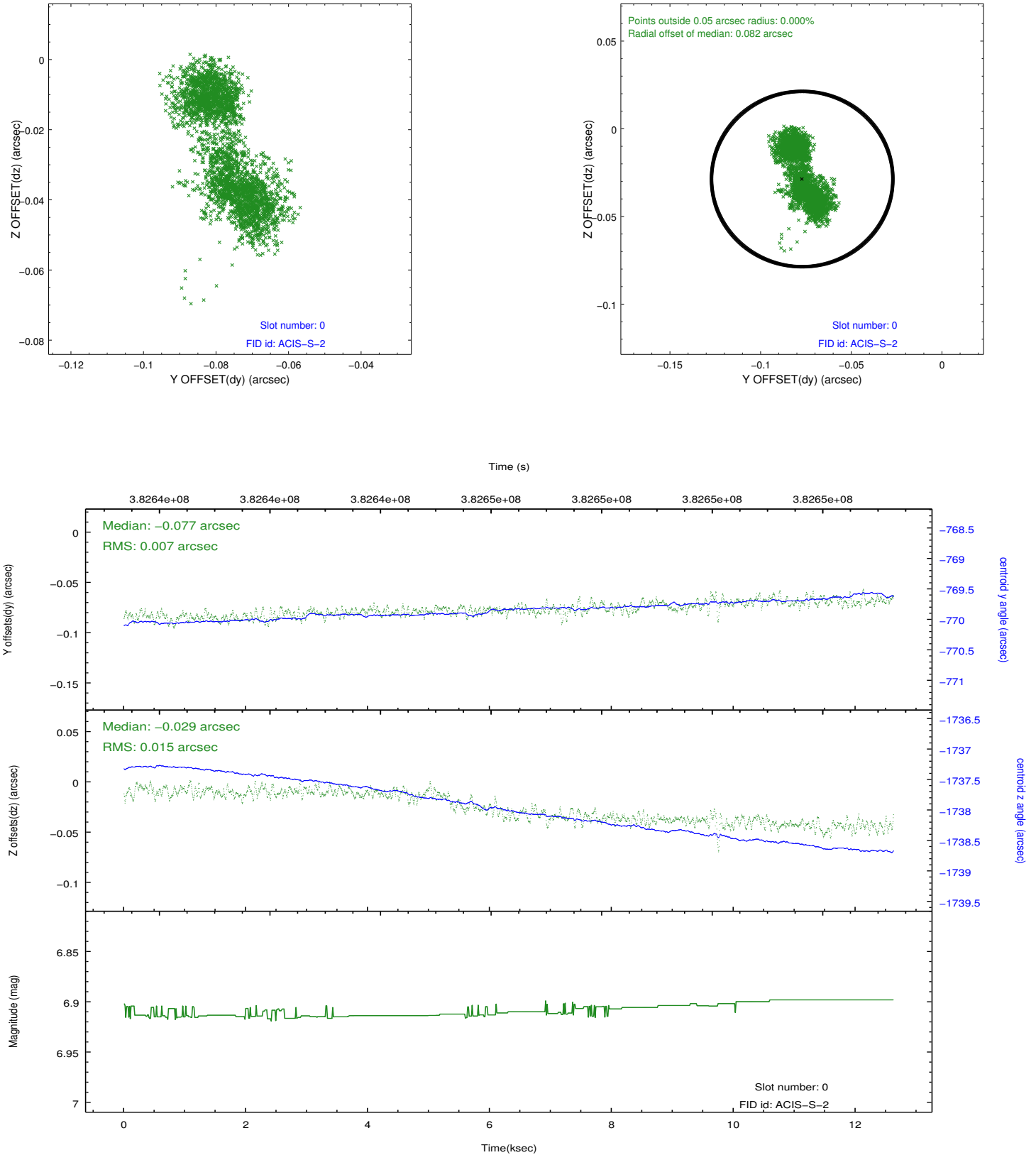


2.4.5 Slot 7

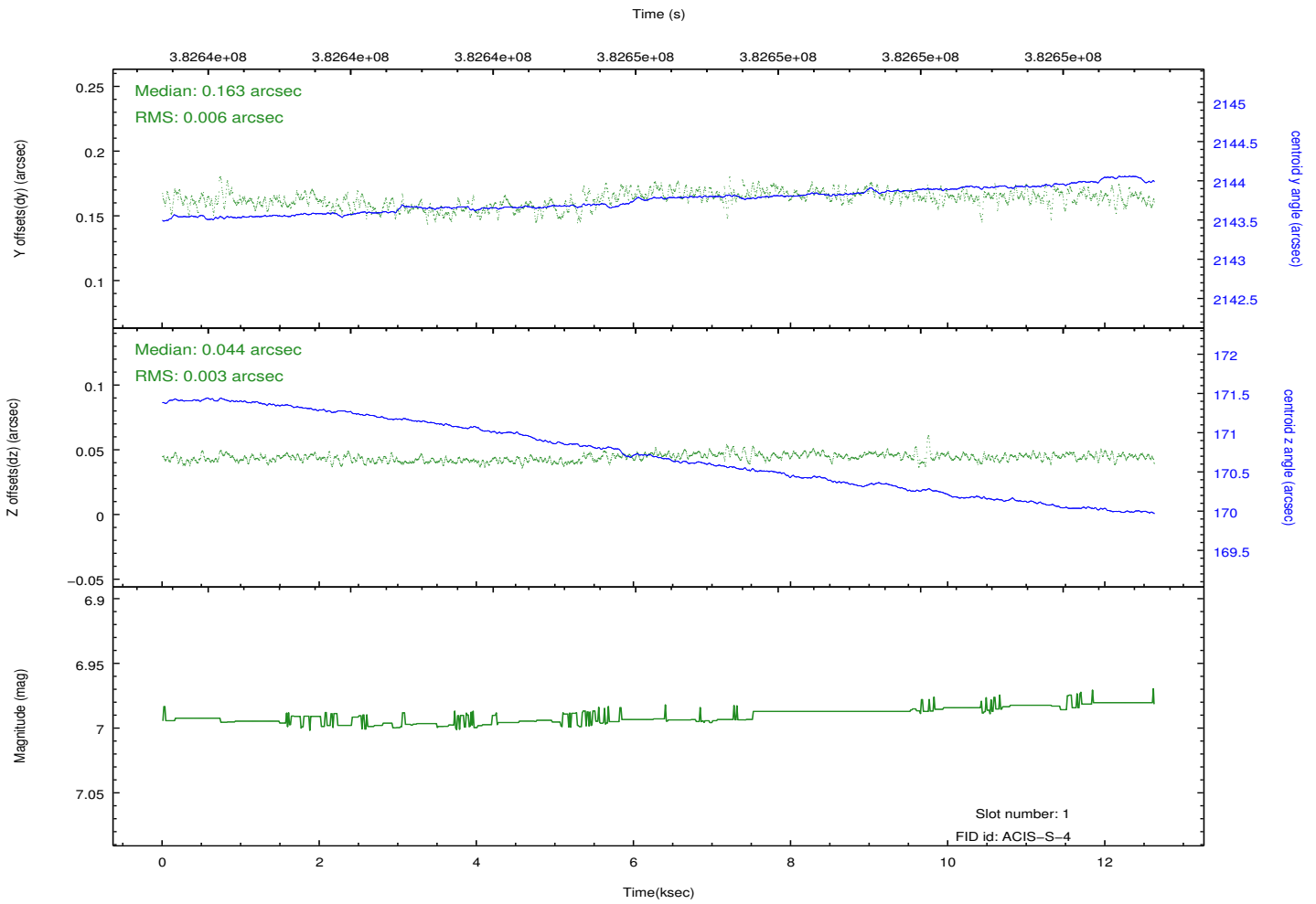
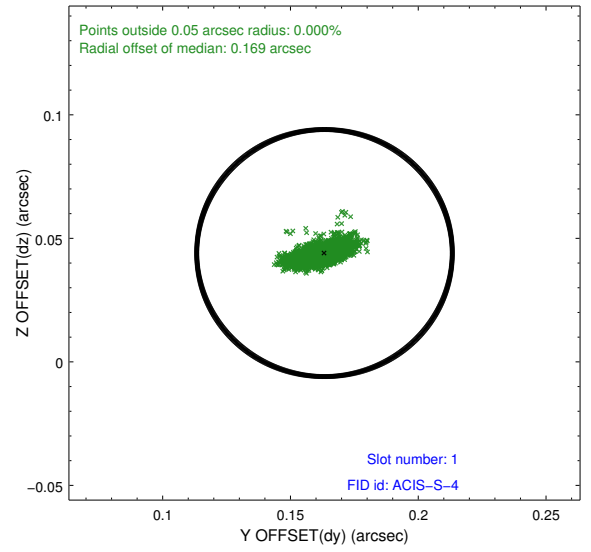
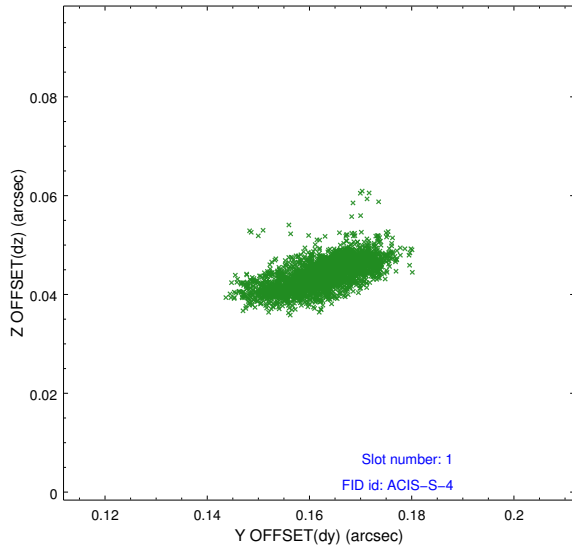


2.5 FID Slots

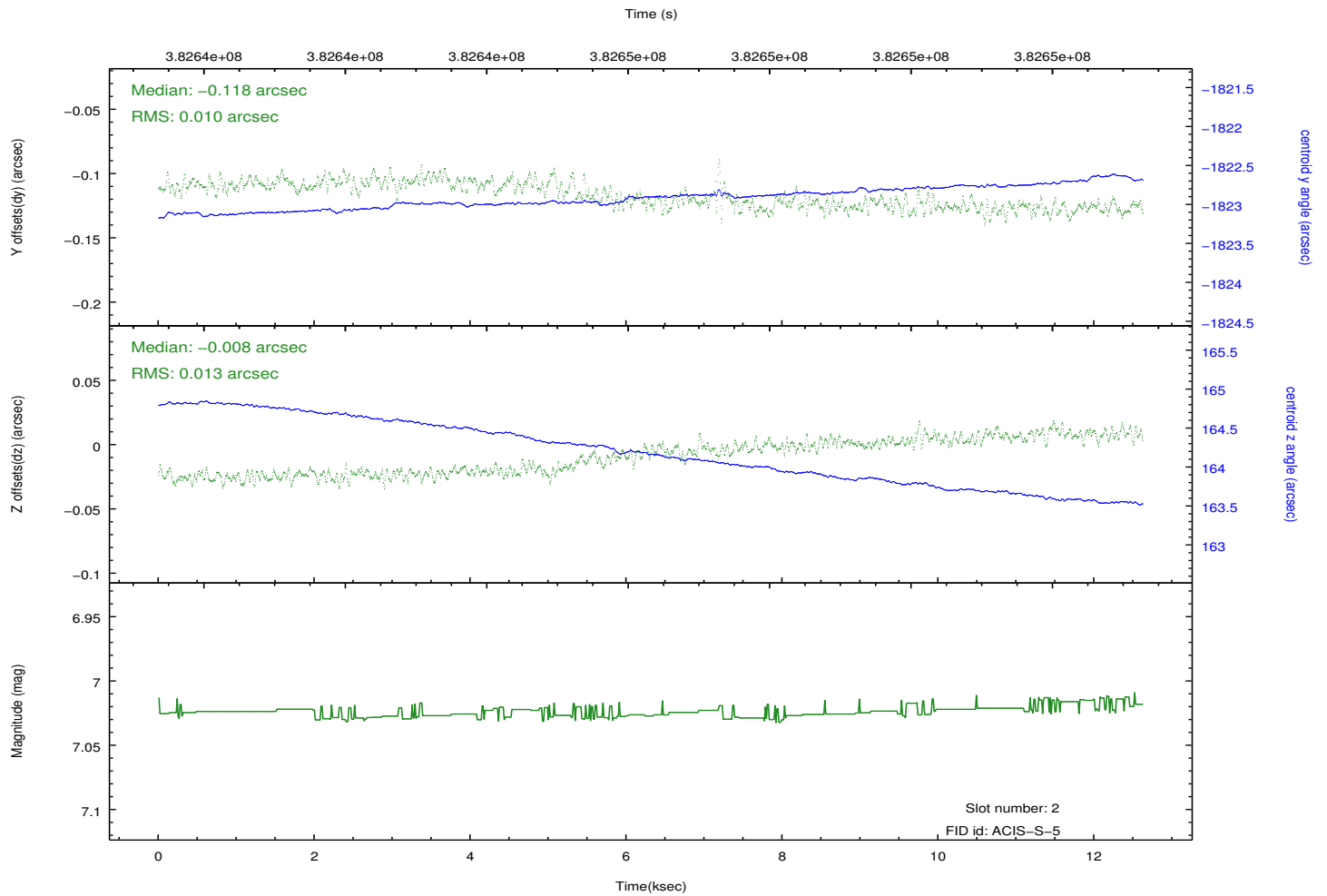
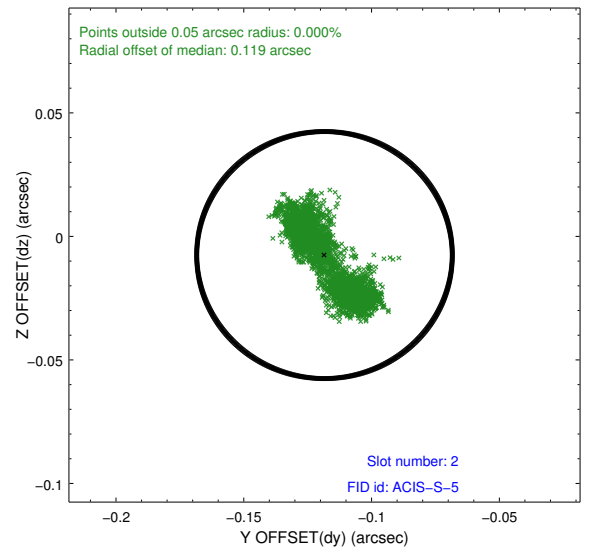
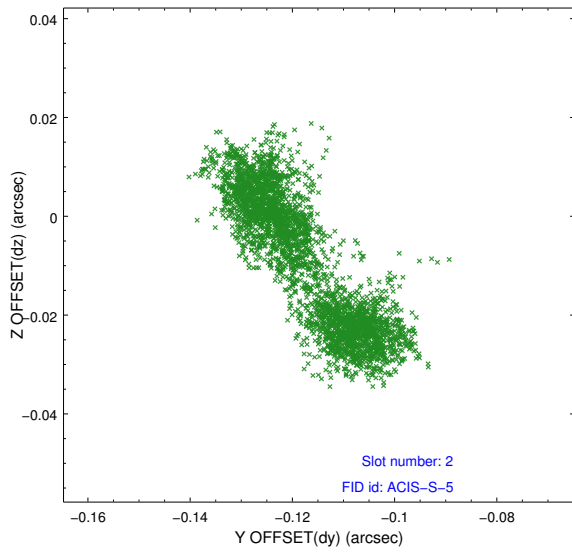
2.5.1 Slot 0



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)	2012.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.62719924736

A.2 Comments

Window preference met.