

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 73 - L2 Version 4
Chandra X-Ray Center

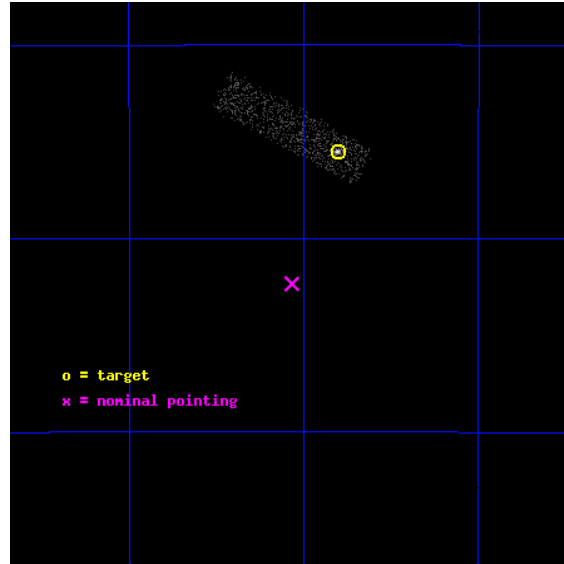
L2 Processing Date : Aug 25 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

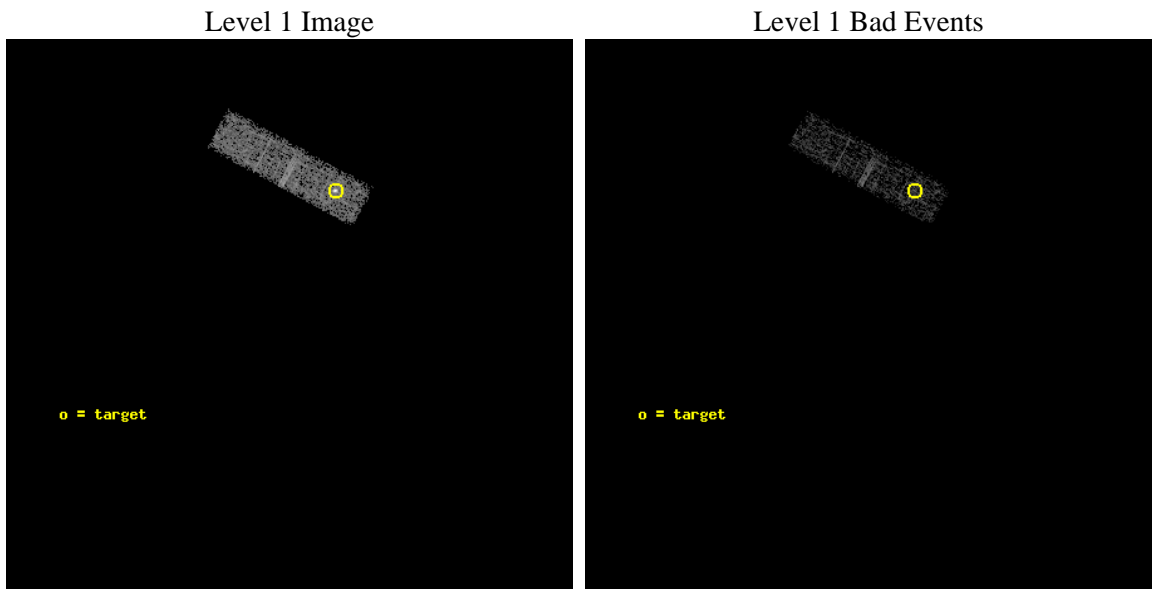
seq_num	300035	Sequence number
obs_id	73	Observation id
title	MULTIWAVELENGTH TOO OBSERVATIONS OF BRIGHT NOVAE IN OUTBURST	Propo
observer	Regents' Professor Sumner Starrfield	Principal investigator
object	V382Velorum1999	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	161.201542	Observer's specified target RA [deg]
dec_targ	-52.425169	Observer's specified target Dec [deg]
ra_nom	161.267269792	Nominal RA [deg]
dec_nom	-52.53919829111	Nominal Dec [deg]
roll_nom	298.43087668588	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5483.1999795884	Sum of GTIs [s]
liveltime	5215.6377623784	Livetime [s]
ontime3	5483.1999795884	Sum of GTIs [s]
l2events	2959	Number of level 2 events



2 OBI

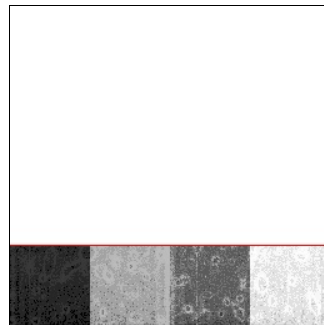
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5483.1999795884	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime3	5483.1999795884	Sum of GTIs [s]
date	2012-08-25T20:34:14	Date and time of file creation	l1events	16963	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

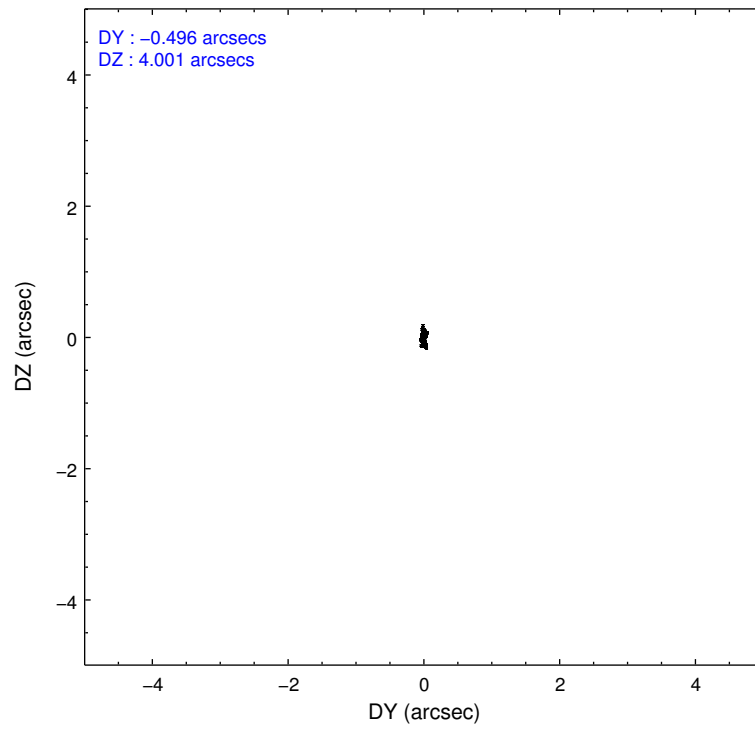
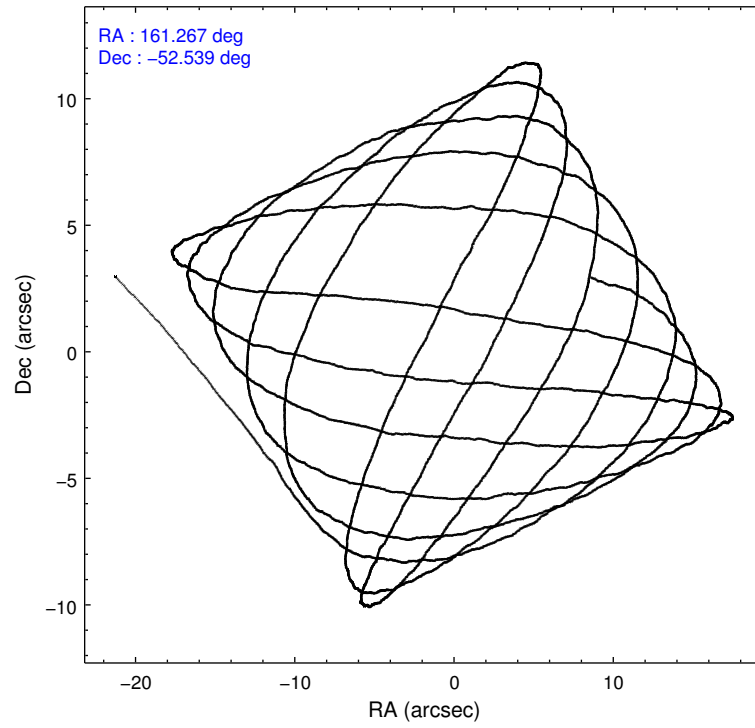
	ccd 3
level 1 events	16963
rejected events	13746
rejected %	81%

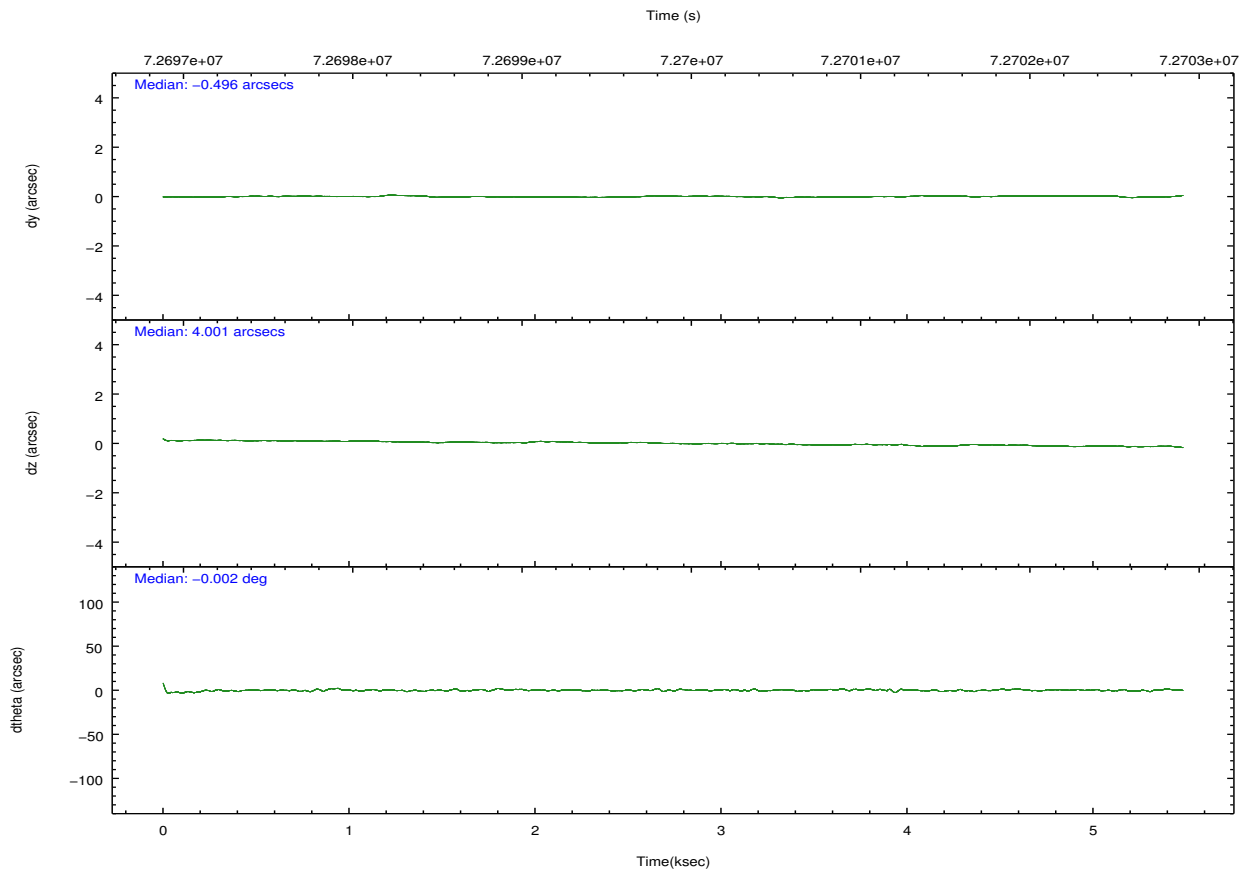
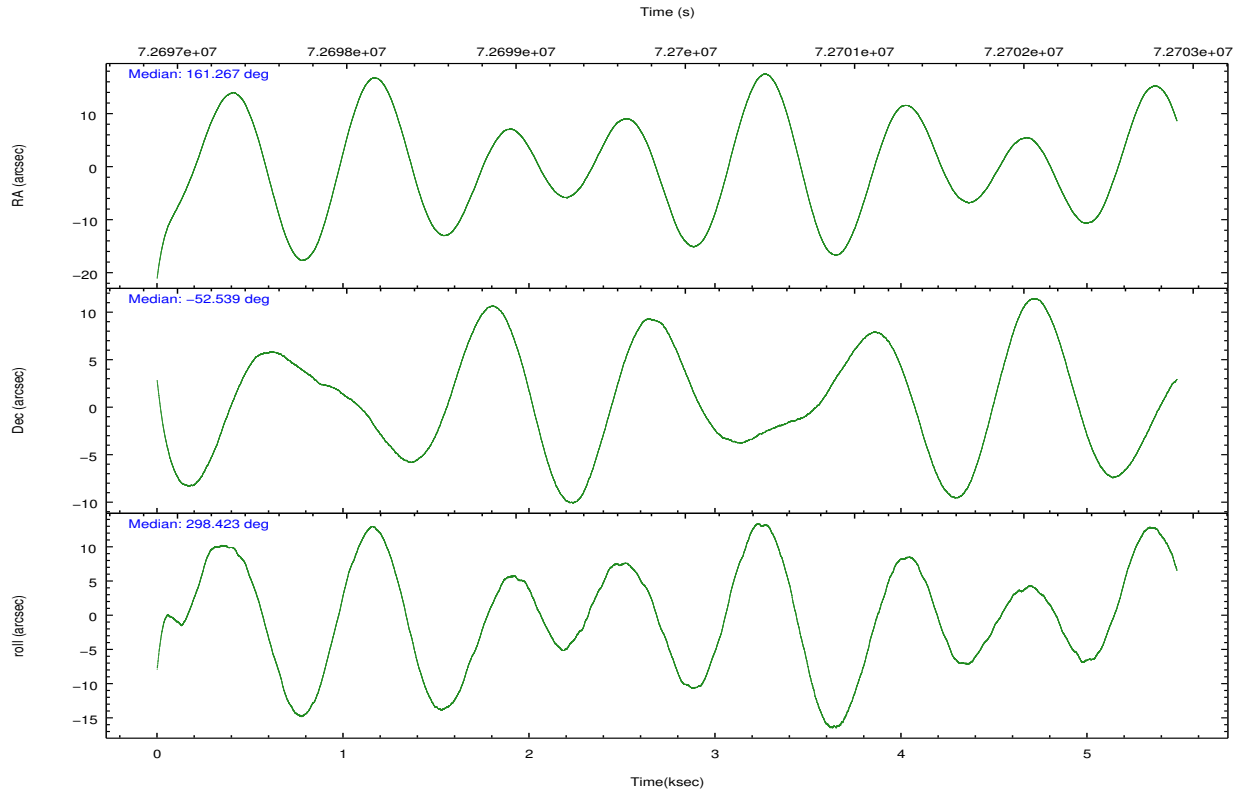
	ccd 3
grade 0 events	2327
	13%
grade 1 events	10
	0%
grade 2 events	401
	2%
grade 3 events	274
	1%
grade 4 events	299
	1%
grade 5 events	342
	2%
grade 6 events	248
	1%
grade 7 events	13062
	77%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3	ACIS-3	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	161.228668	161.267269792003	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-52.524473	-52.53919829111029	Subarray start row	1	1
[deg] Pointing Roll	298.191538	298.4308766858838	Subarray row count	256	256
[s] Window start time (MET)	71625664.184000	71625664.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	72748864.184000	72748864.184000	[s] Primary exposure time	0.000000	0.8
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	72697637.184000	72696450.552892			
Observation start date	2000-04-21T09:46:13	2000-04-21T09:27:30			
[s] Observation end time (MET)	72702637.184000	72703409.790648			
Observation end date	2000-04-21T11:09:33	2000-04-21T11:23:29			
Read mode	TIMED	TIMED			

2.3 Aspect



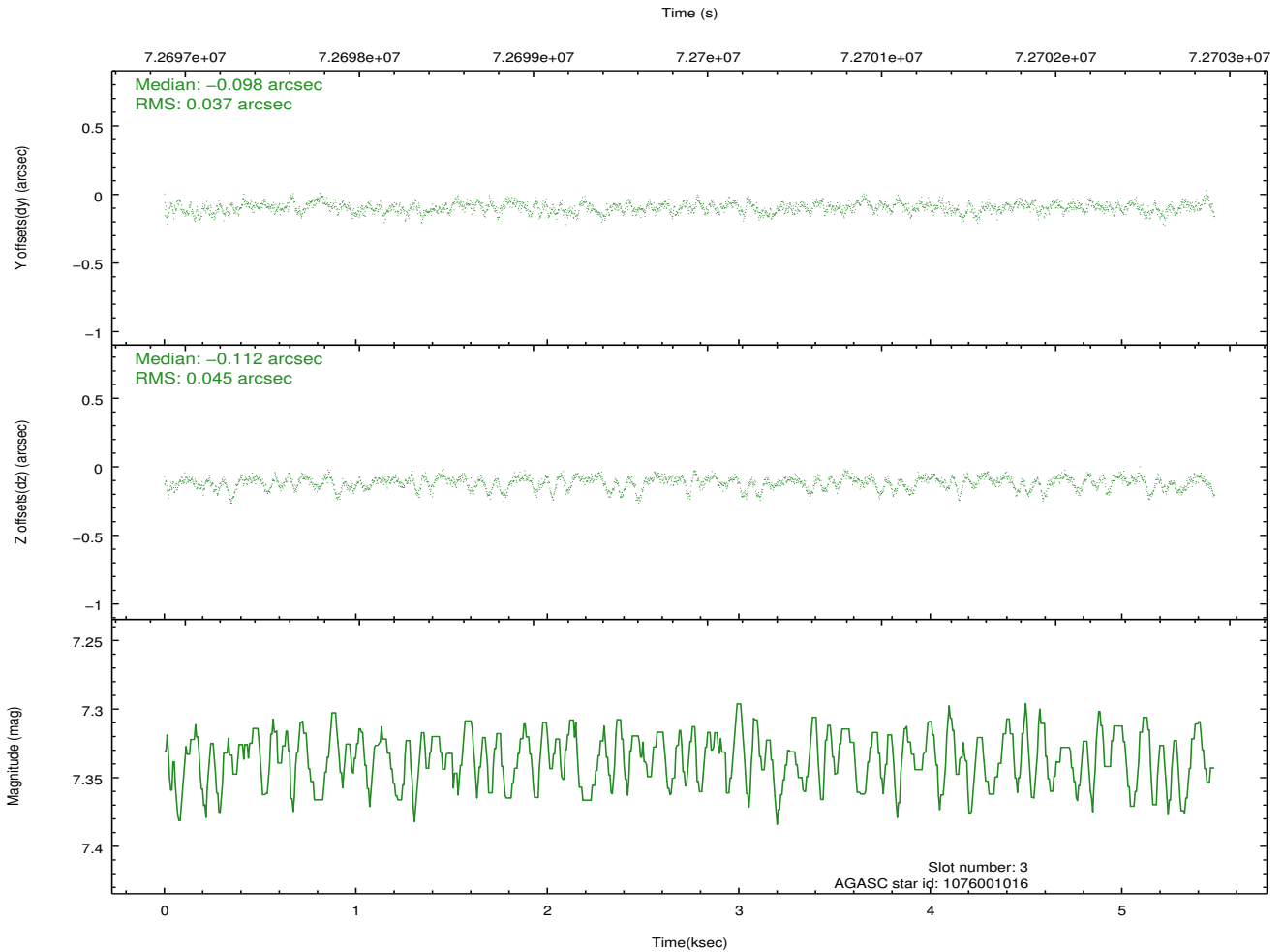
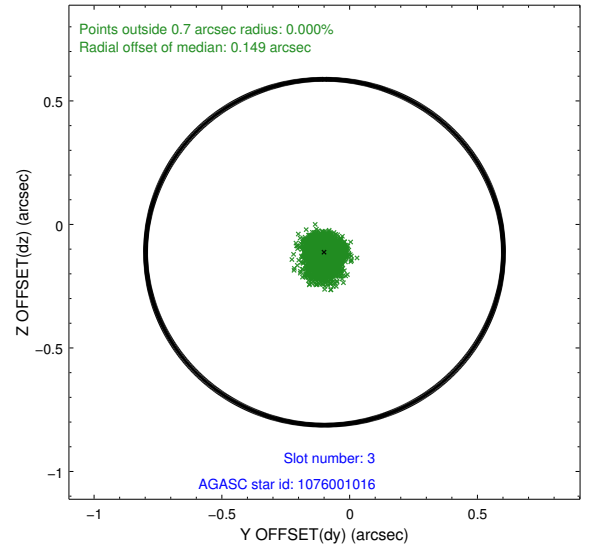
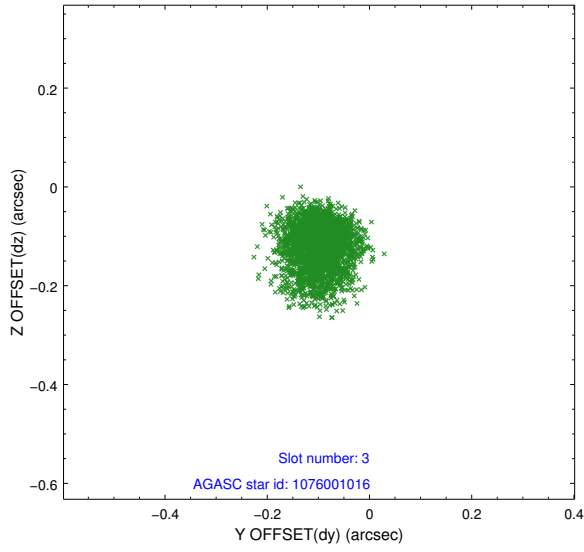


Slot Statistics

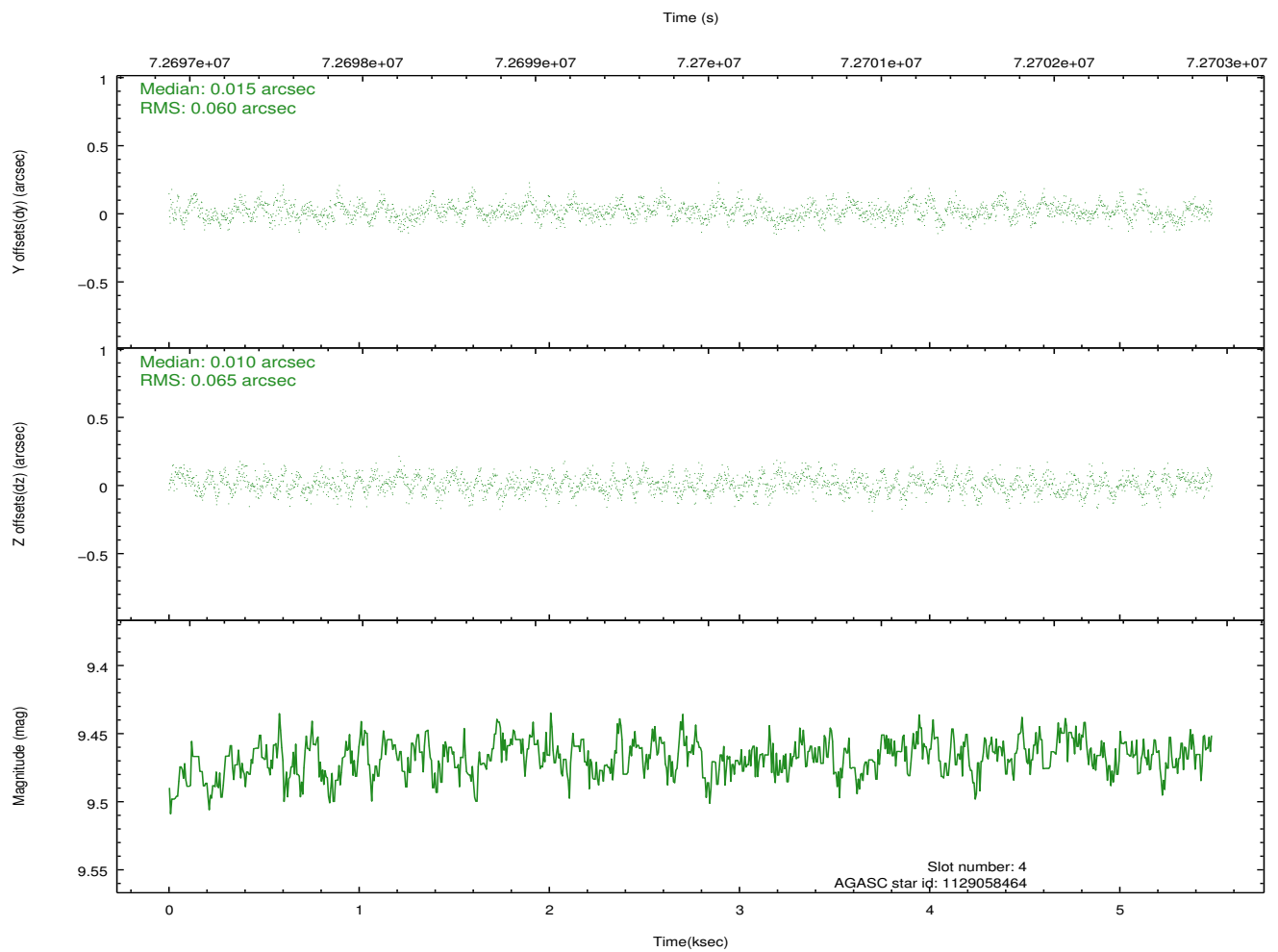
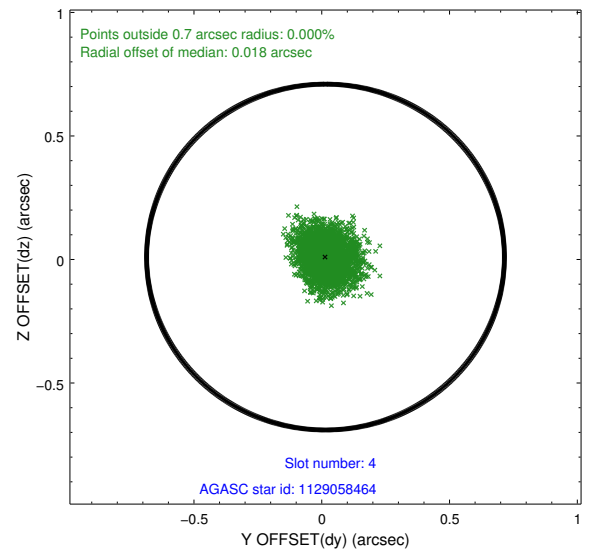
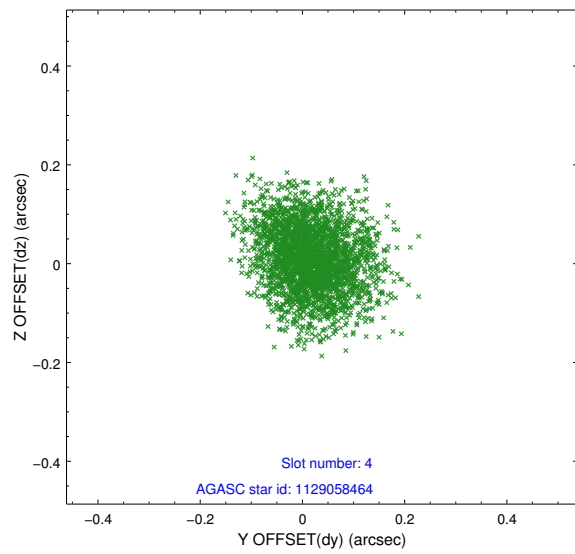
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	1338	-0.039	-0.020	0.012	0.020	0.000000	0.000000	-753.83	-833.69
1	FID	ACIS-I-4	7.18	1337	0.015	0.036	0.008	0.013	0.000000	0.000000	2159.80	1071.97
2	FID	ACIS-I-5	7.22	1338	-0.076	0.053	0.011	0.017	0.000000	0.000000	-1806.27	1071.11
3	GUIDE	1076001016	7.33	2676	-0.098	-0.112	0.061	0.103	159.991259	-52.284122	-2028.78	-2003.54
4	GUIDE	1129058464	9.47	2676	0.015	0.010	0.095	0.153	160.320561	-52.798094	-54.55	-2213.20
5	GUIDE	1076107400	9.15	2651	0.043	0.059	0.088	0.147	162.018074	-52.333643	223.53	1850.65
6	GUIDE	1129058272	9.30	2670	0.081	0.084	0.078	0.129	161.961306	-52.535447	800.43	1393.25
7	GUIDE	1129056576	9.66	2673	-0.042	-0.033	0.097	0.159	161.984079	-52.591491	1001.37	1339.52

2.4 Star Slots

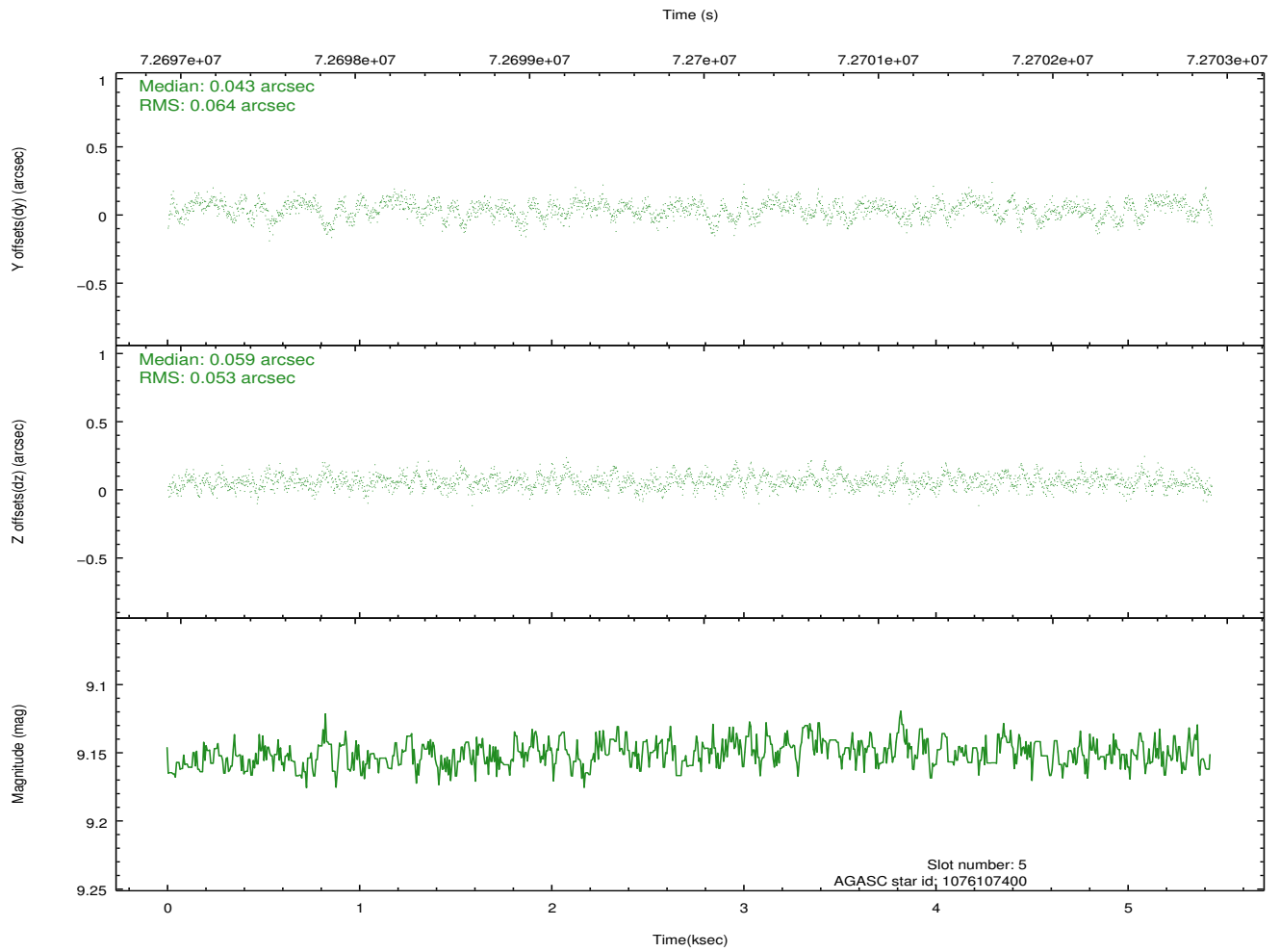
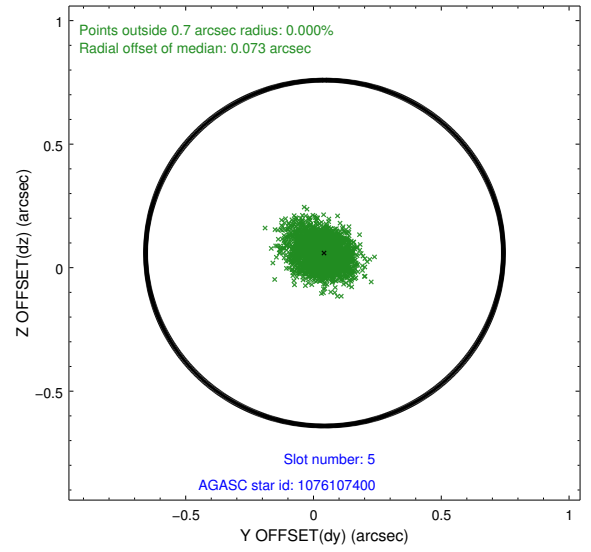
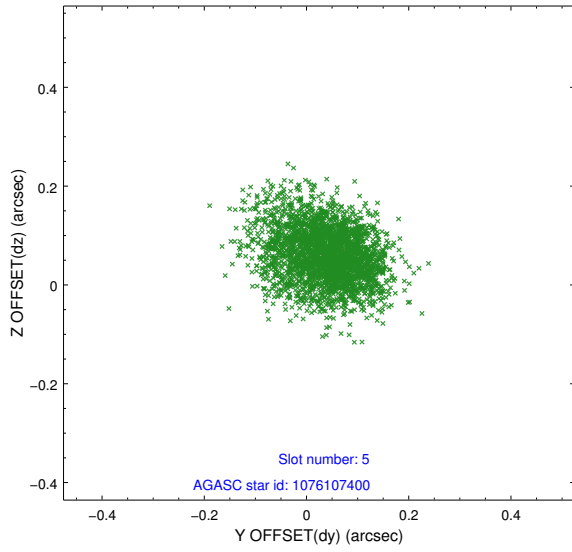
2.4.1 Slot 3



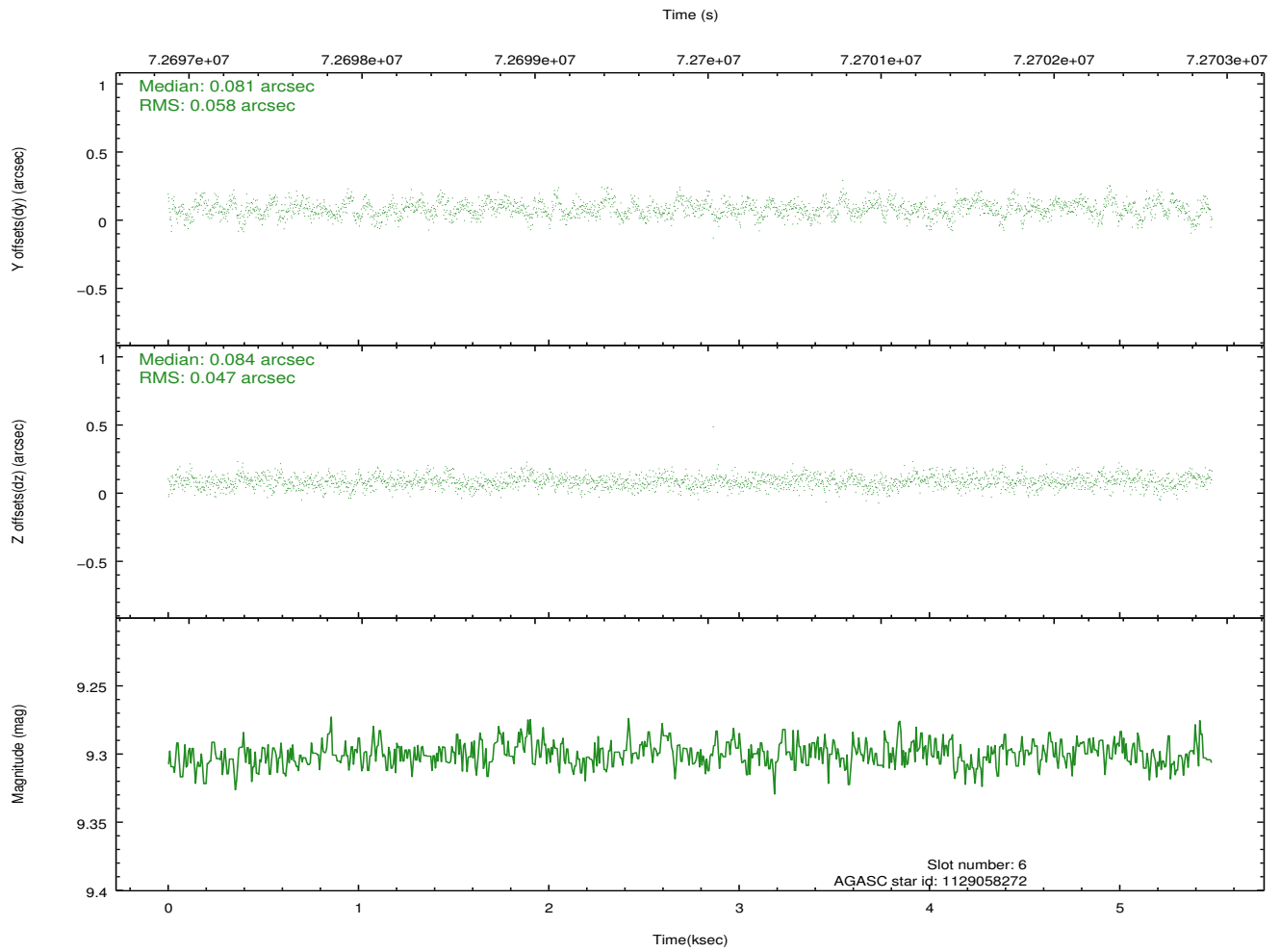
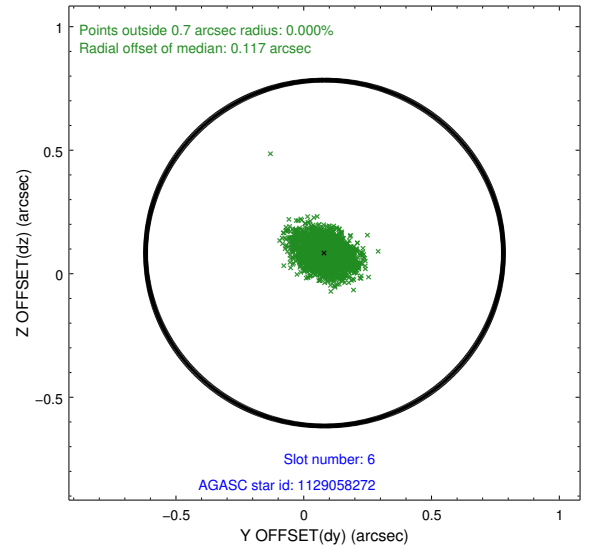
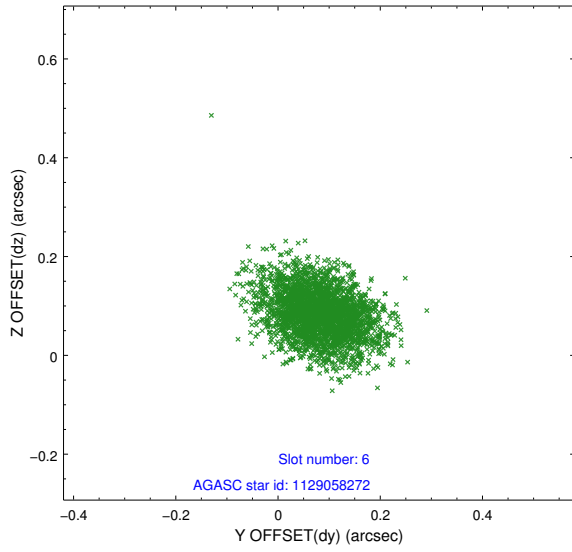
2.4.2 Slot 4



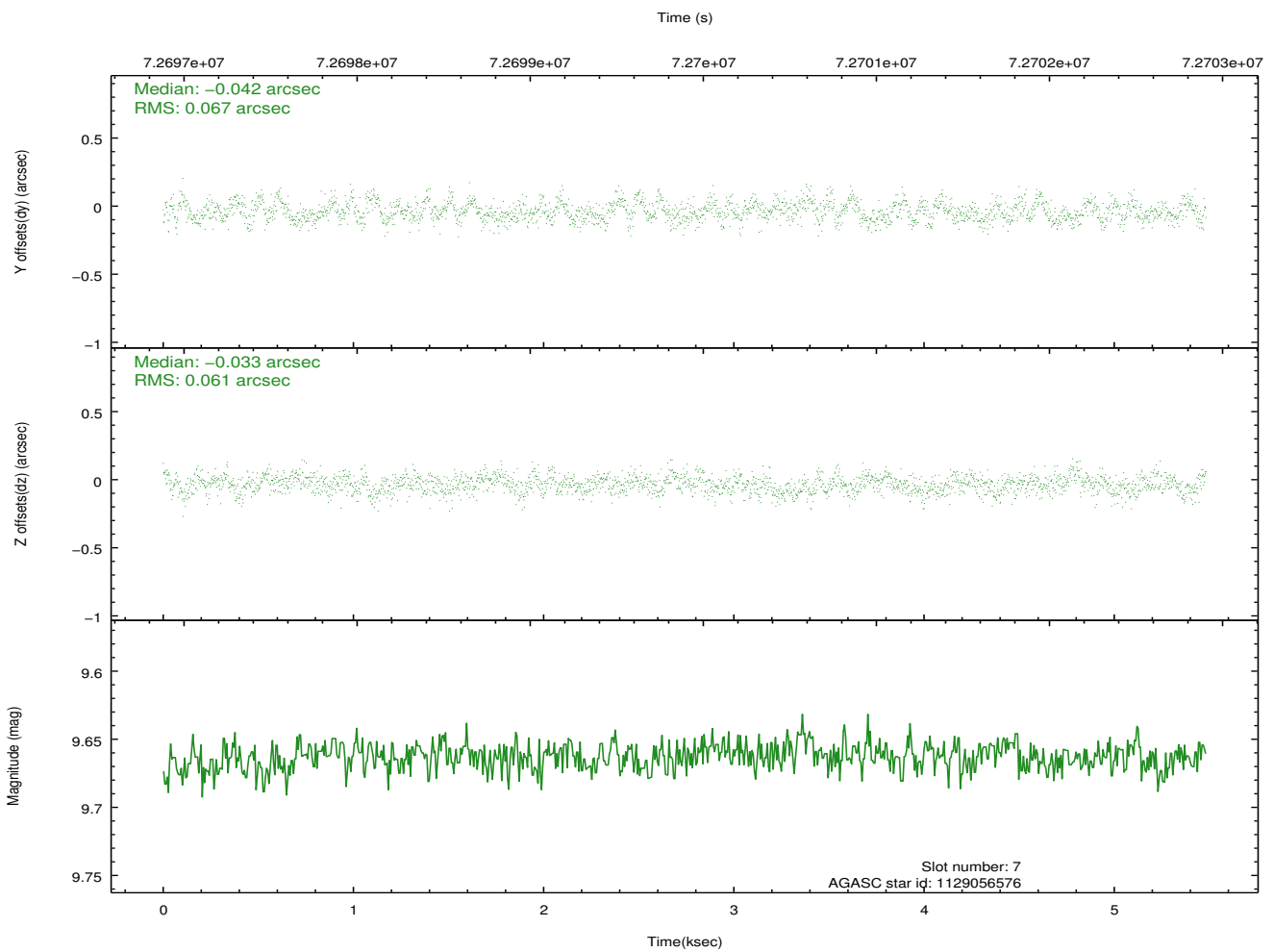
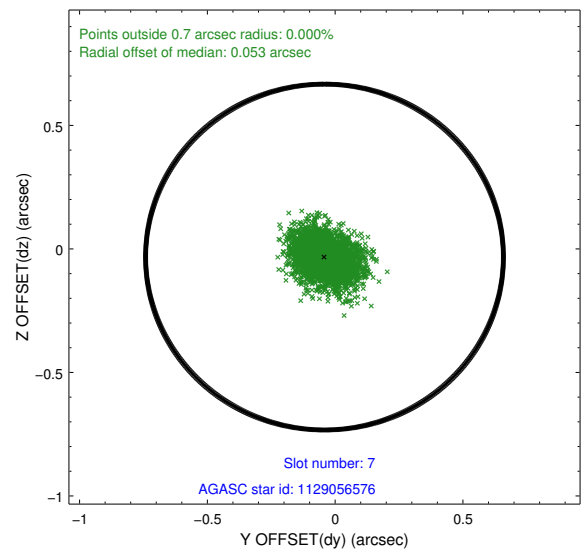
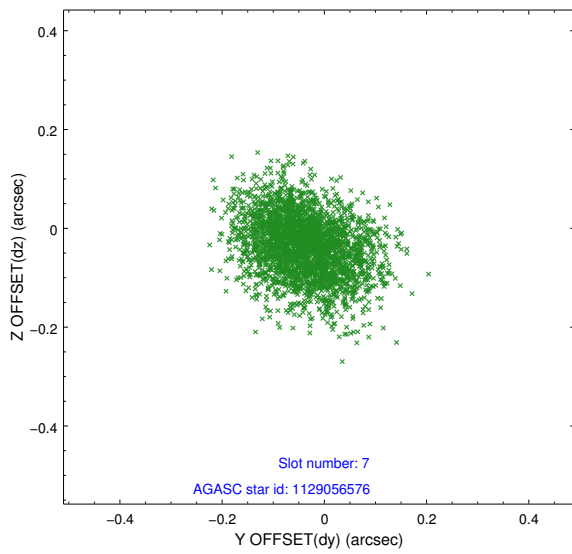
2.4.3 Slot 5



2.4.4 Slot 6

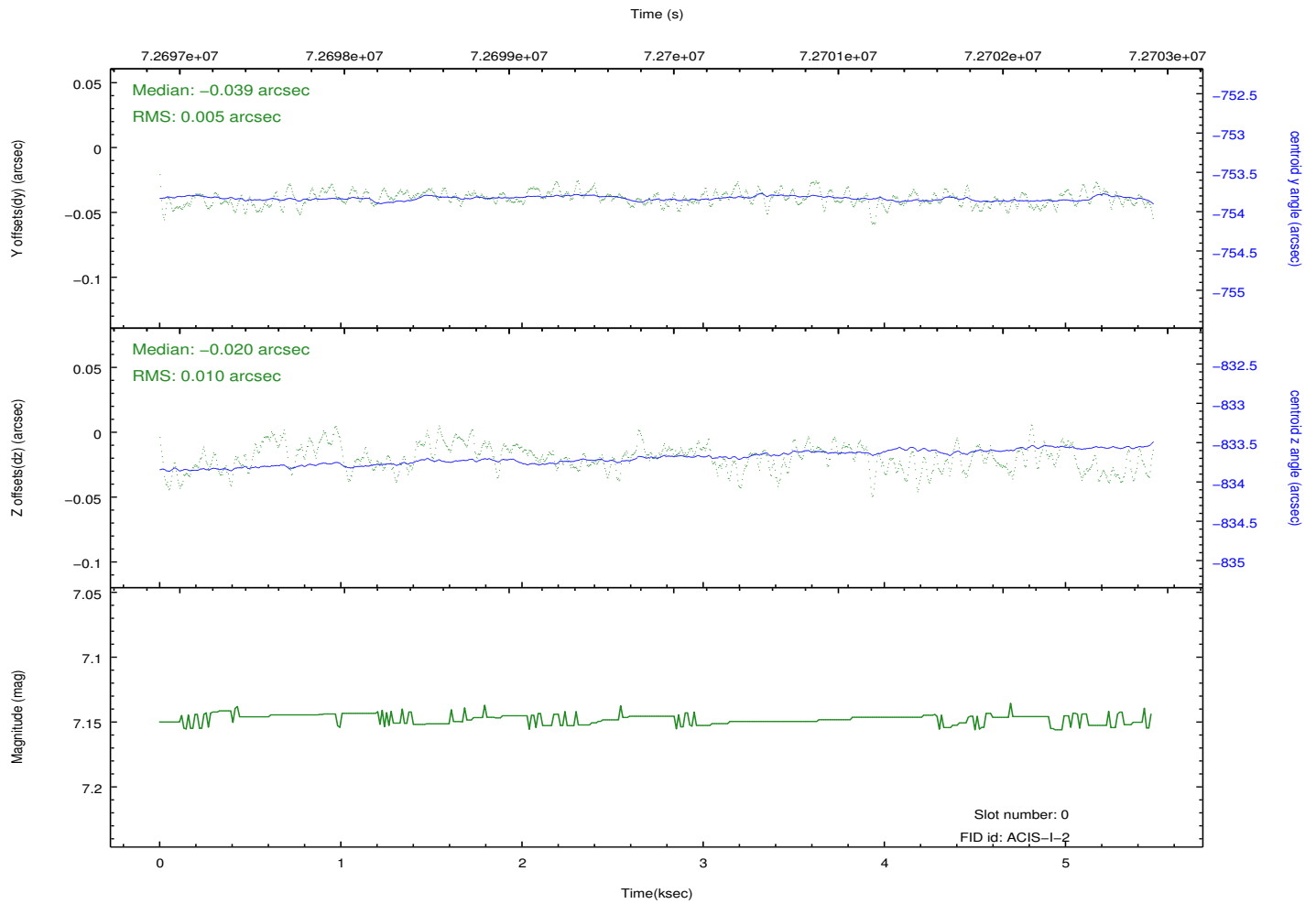
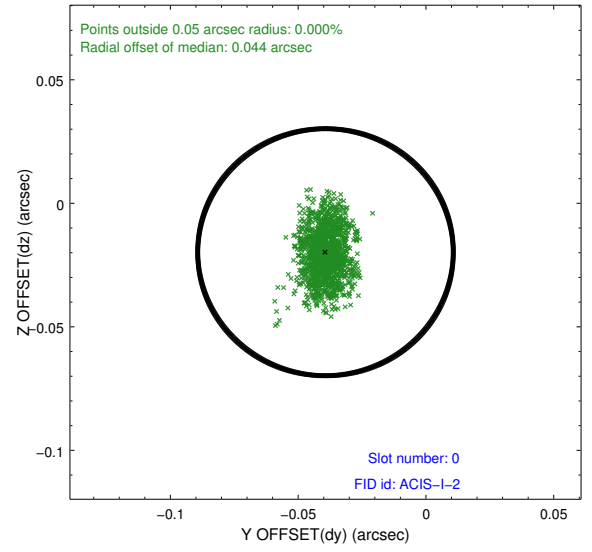
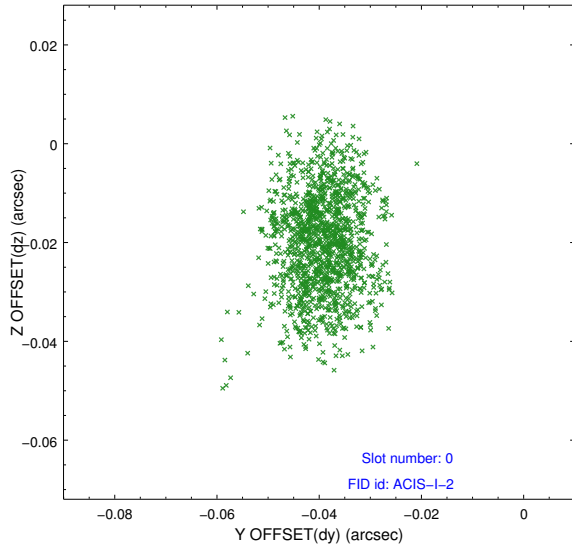


2.4.5 Slot 7

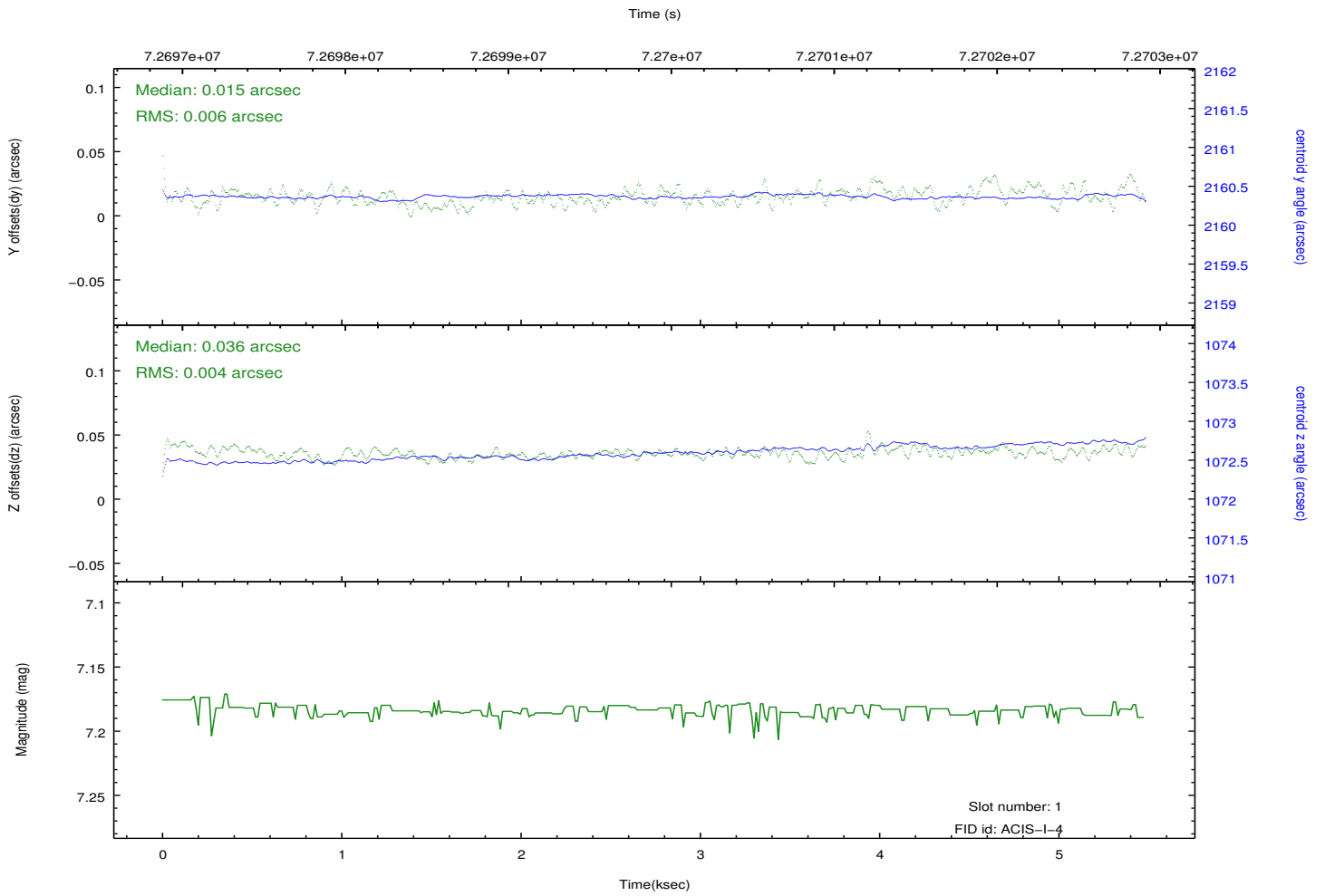
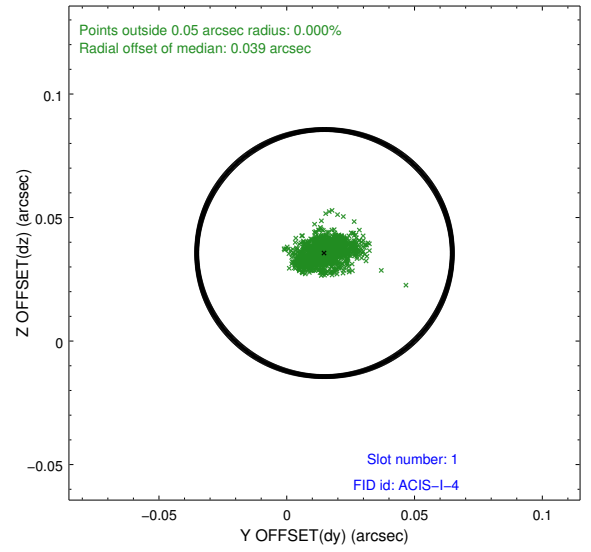
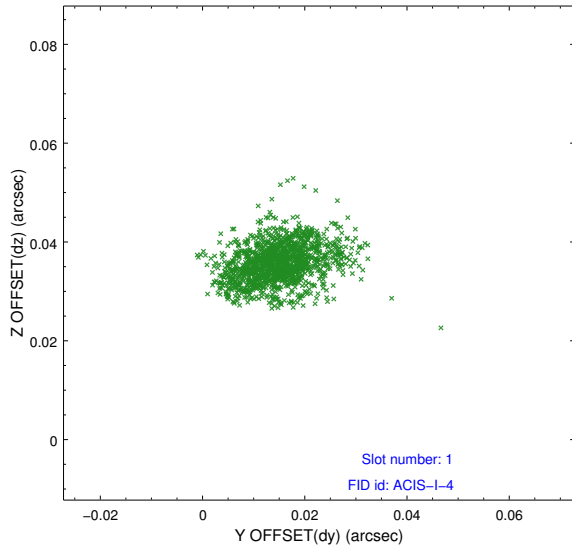


2.5 FID Slots

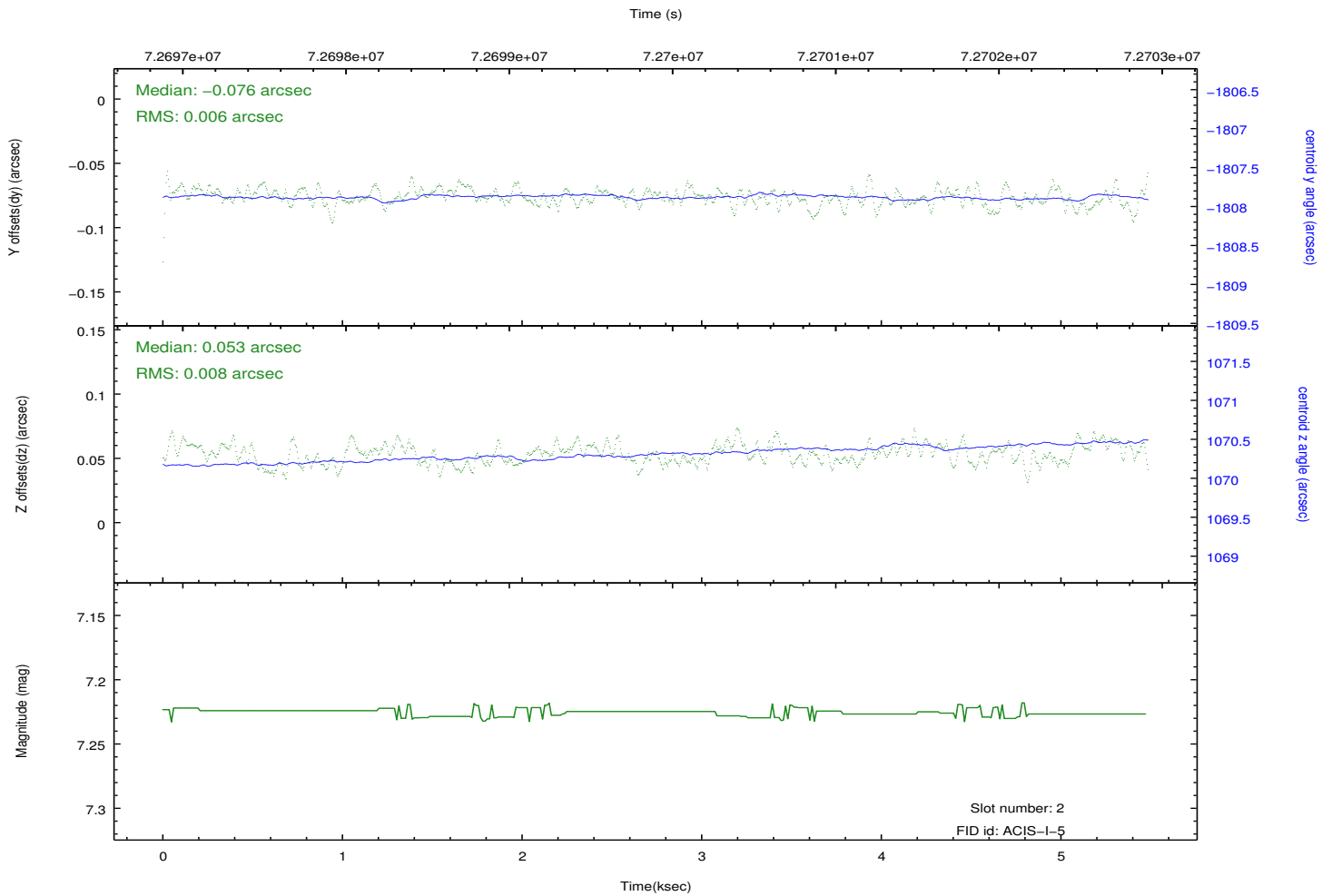
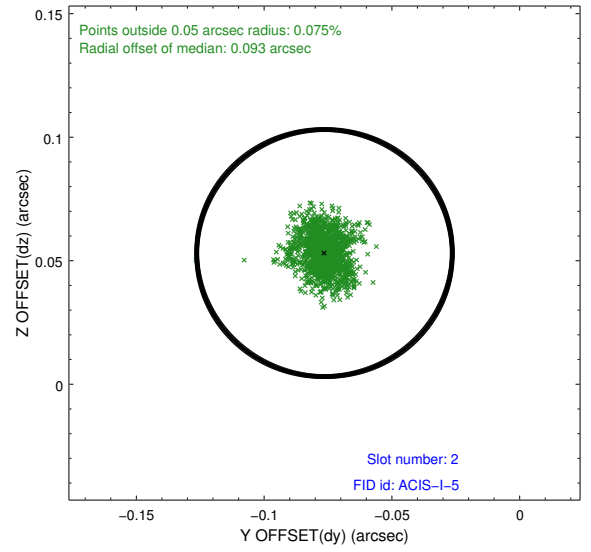
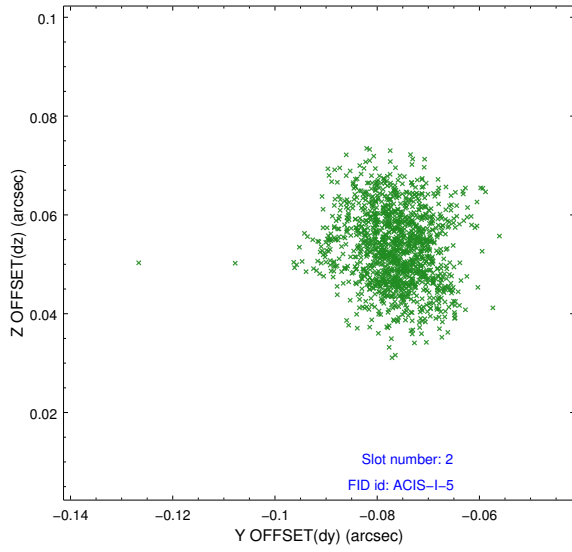
2.5.1 Slot 0



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)	2012.08.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.483

A.2 Comments

Window constraint met.