

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12442 - L2 Version 2
Chandra X-Ray Center

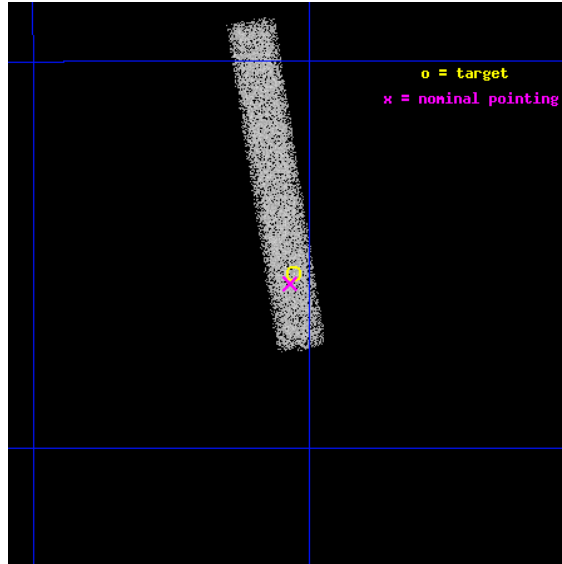
L2 Processing Date : Feb 19 2012

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

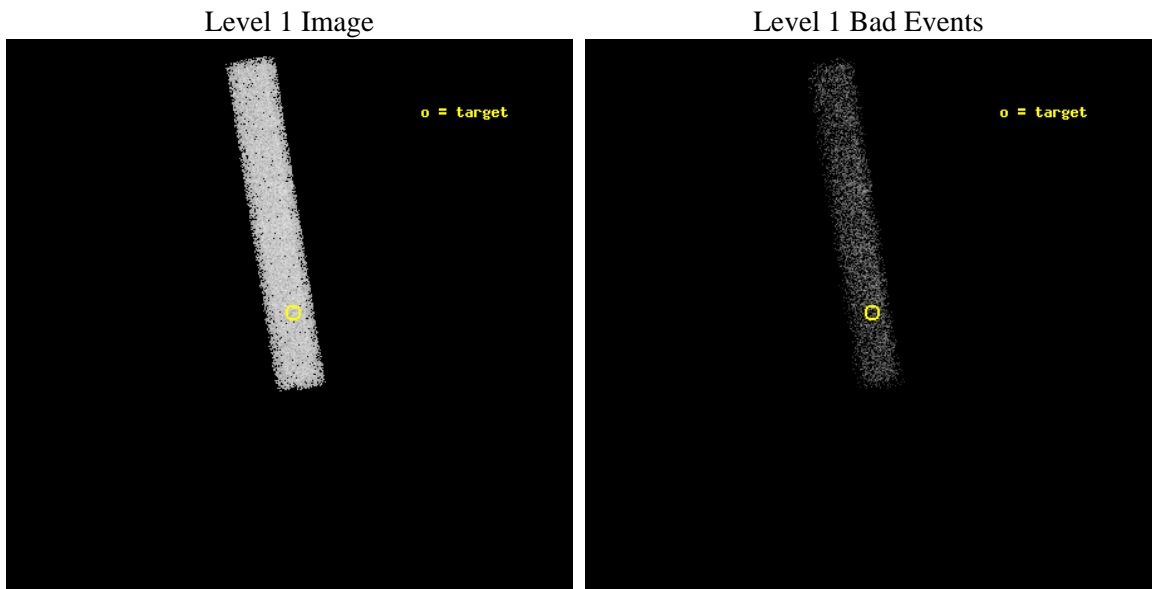
seq_num	401183	Sequence number
obs_id	12442	Observation id
title	Following a black hole candidate X-ray transient to quiescence	Pro
observer	dr P Jonker	Principal investigator
object	MAXIJ1659-152	Source name
dtycycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	254.757	Observer's specified target RA [deg]
dec_targ	-15.257972	Observer's specified target Dec [deg]
ra_nom	254.75893579191	Nominal RA [deg]
dec_nom	-15.26244335933	Nominal Dec [deg]
roll_nom	261.05071872485	Nominal Roll [deg]
revision	2	Processing version of data
ontime	33965.925437033	Sum of GTIs [s]
livetime	30805.301502842	Livetime [s]
ontime7	33965.925437033	Sum of GTIs [s]
l2events	17284	Number of level 2 events



2 OBI

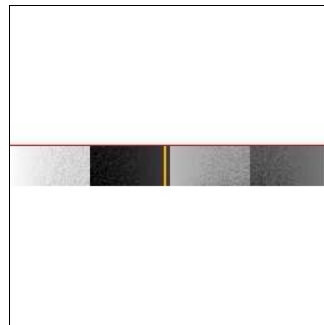
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	33957.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	33965.925437033	Sum of GTIs [s]
caldbver	4.4.8	 	ontime7	33965.925437033	Sum of GTIs [s]
date	2012-02-20T00:19:29	Date and time of file creation	l1events	35967	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

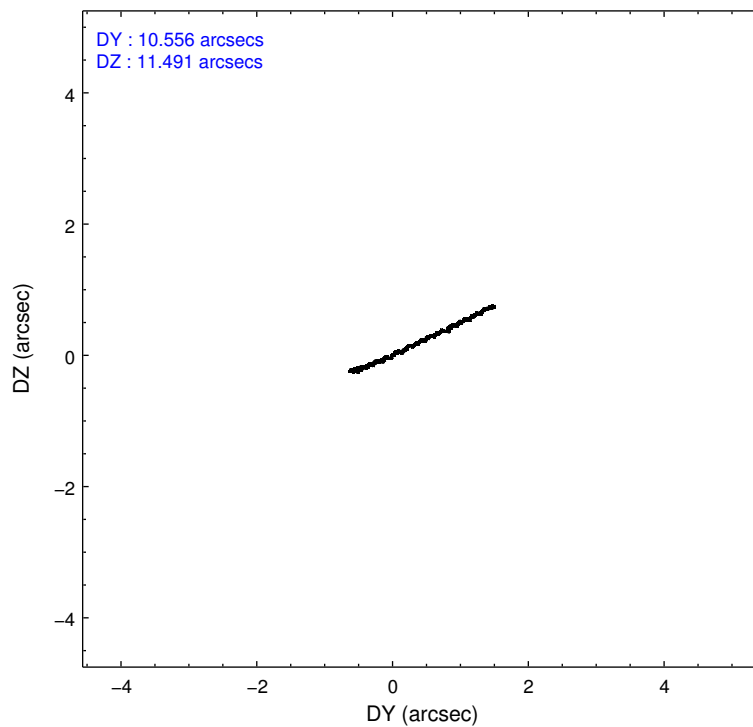
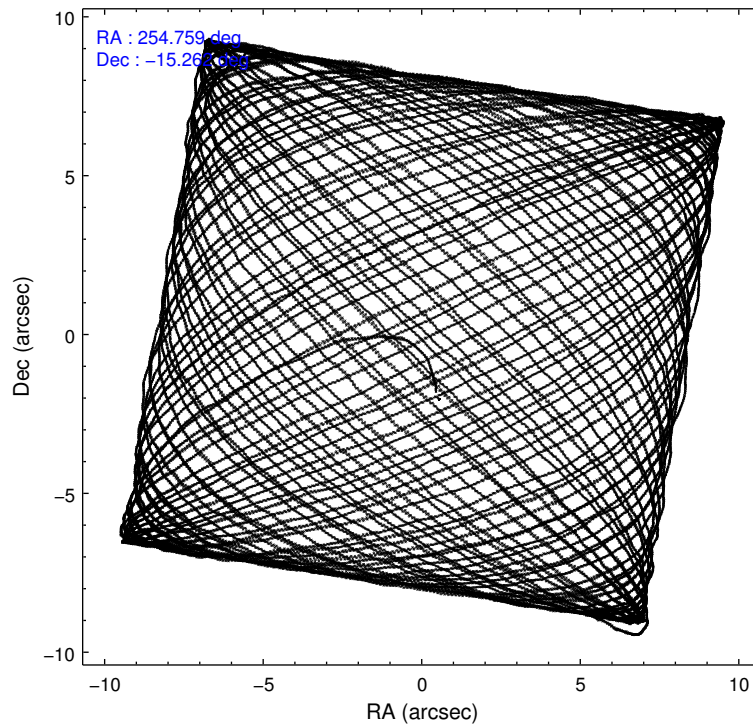
	ccd 7
level 1 events	35967
rejected events	17857
rejected %	49%

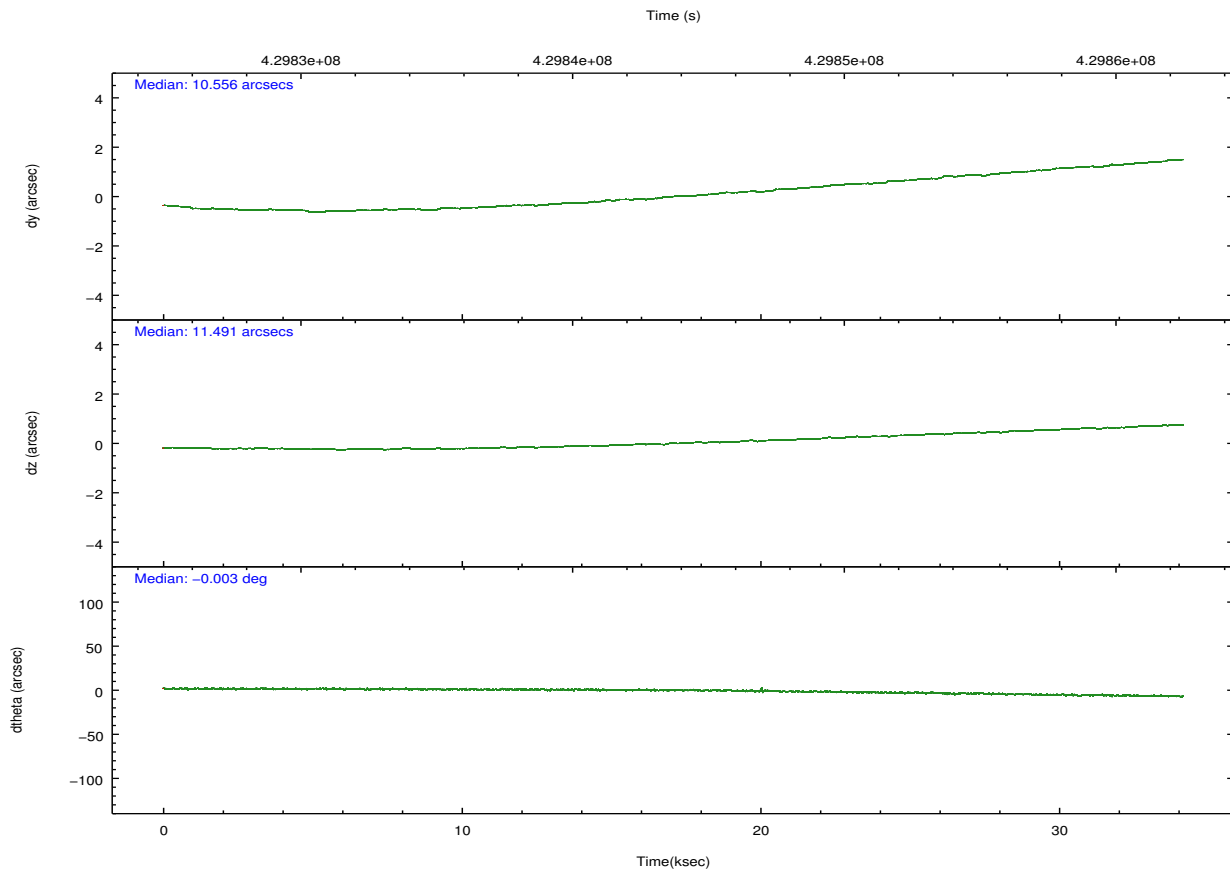
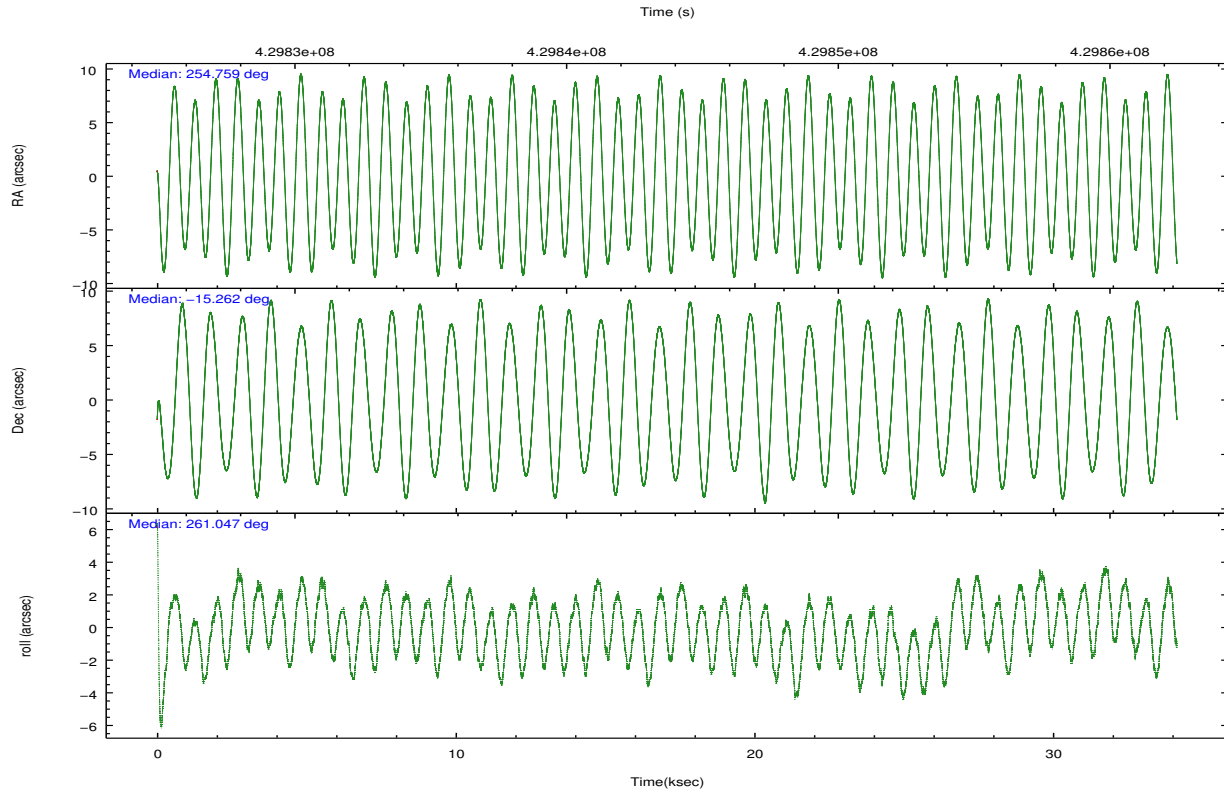
	ccd 7
grade 0 events	1882
	5%
grade 1 events	42
	0%
grade 2 events	3445
	9%
grade 3 events	2453
	6%
grade 4 events	2378
	6%
grade 5 events	3645
	10%
grade 6 events	7952
	22%
grade 7 events	14170
	39%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	254.748410	254.7589357919132	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-15.237061	-15.26244335932979	Subarray start row	449	449
[deg] Pointing Roll	260.891320	261.0507187248542	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	429826797.184000	429825556.34328			
Observation start date	2011-08-15T20:18:51	2011-08-15T19:59:16			
[s] Observation end time (MET)	429860754.184000	429862109.8952			
Observation end date	2011-08-16T05:44:48	2011-08-16T06:08:29			
Read mode	TIMED	TIMED			

2.3 Aspect



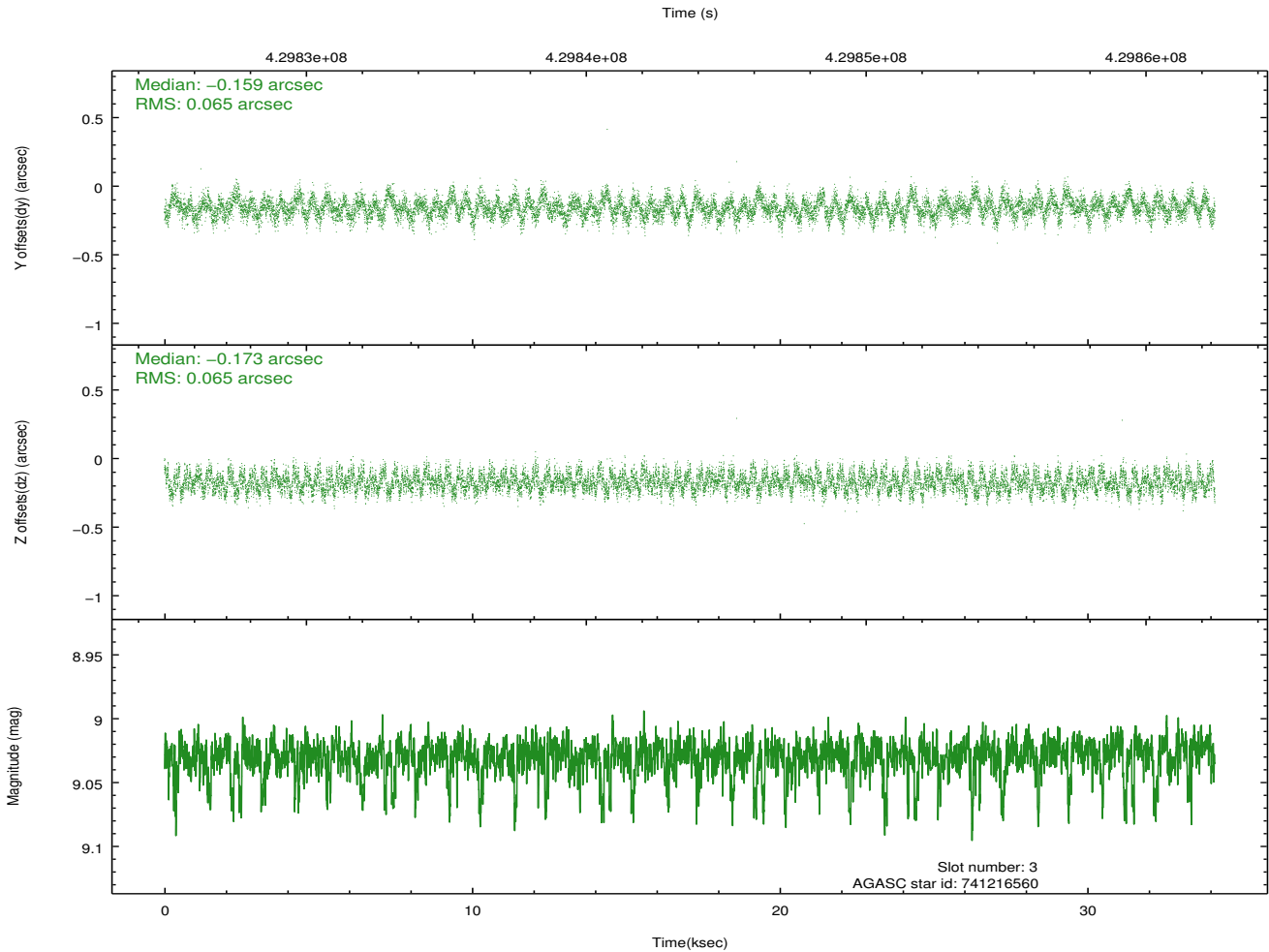
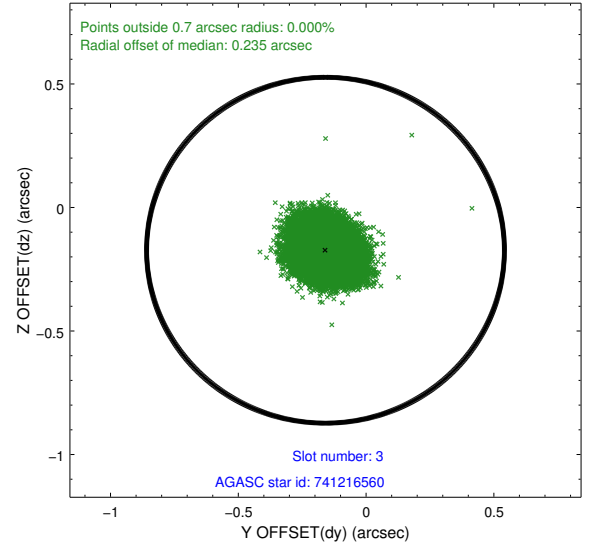
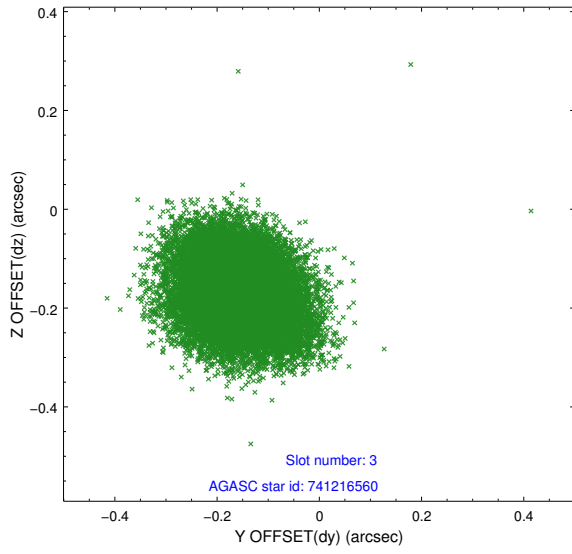


Slot Statistics

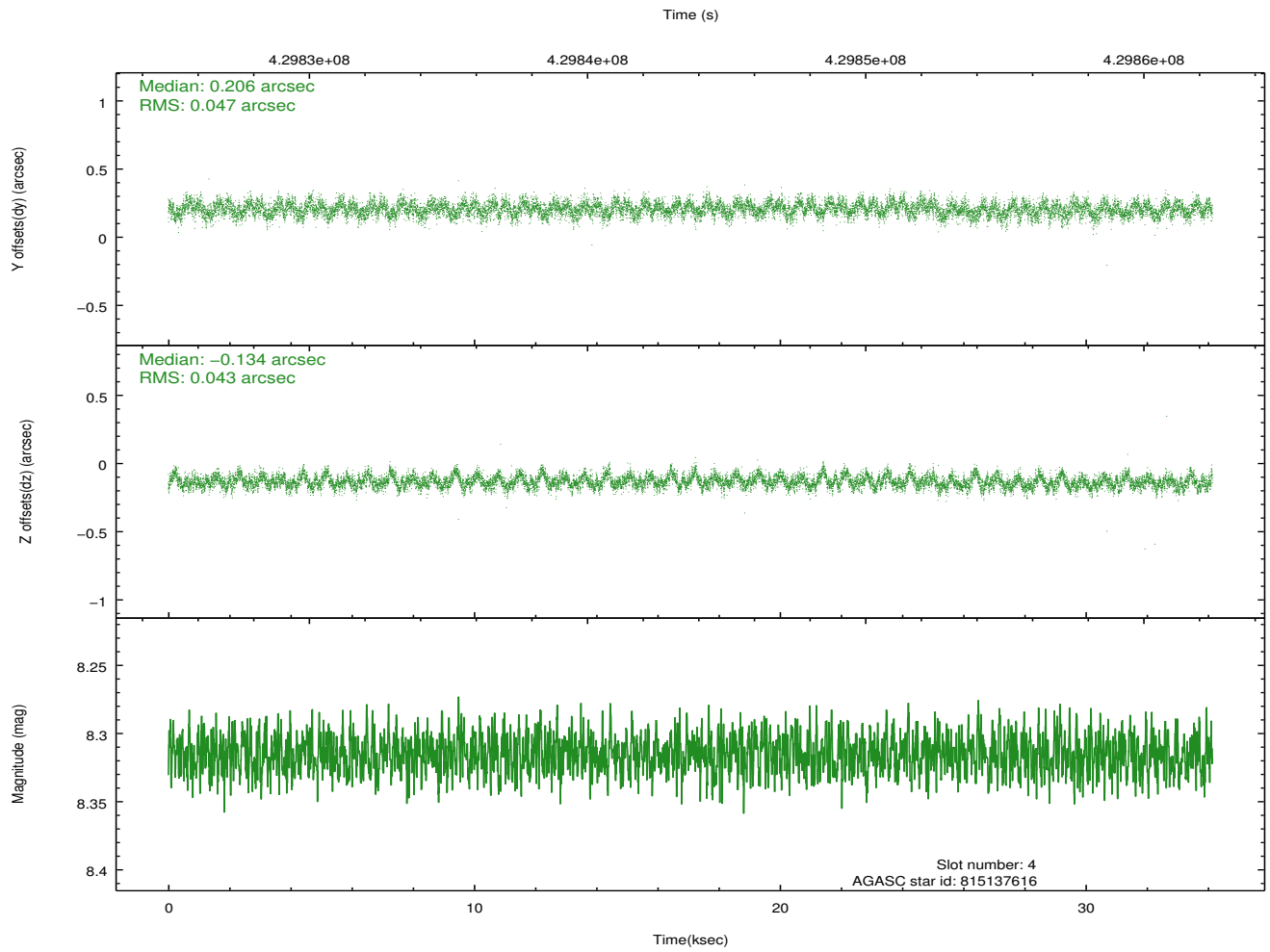
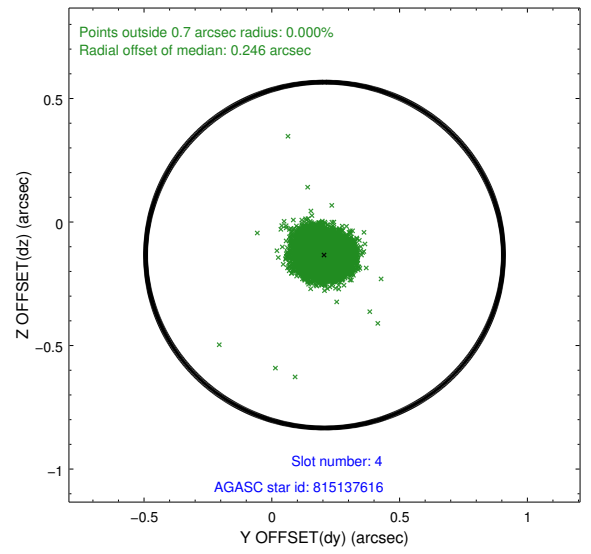
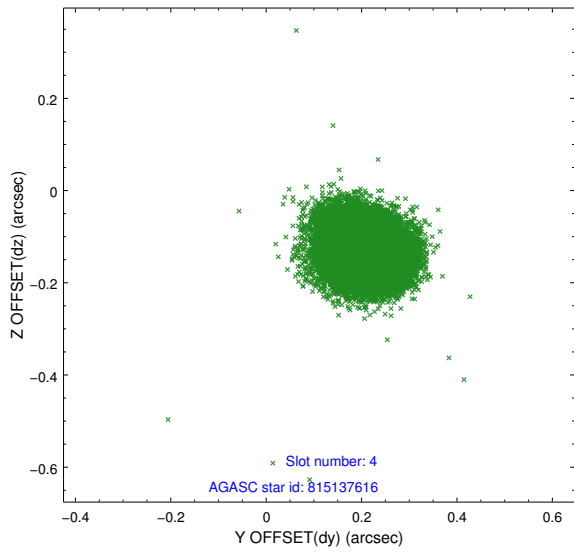
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.01	8327	0.090	-0.081	0.014	0.022	0.000000	0.000000	932.49	-1728.57
1	FID	ACIS-S-2	6.94	8329	-0.087	-0.007	0.012	0.027	0.000000	0.000000	-763.56	-1733.02
2	FID	ACIS-S-6	7.16	8329	-0.022	0.089	0.012	0.019	0.000000	0.000000	398.11	812.92
3	GUIDE	741216560	9.03	16645	-0.159	-0.173	0.099	0.155	254.839054	-14.734715	-1835.53	25.40
4	GUIDE	815137616	8.32	16650	0.206	-0.134	0.067	0.109	254.741671	-15.811997	2048.53	304.86
5	GUIDE	815138504	7.70	16649	-0.017	0.016	0.059	0.101	254.066938	-15.357519	806.93	-2266.20
6	GUIDE	815138728	6.69	16657	-0.043	0.172	0.045	0.077	254.111345	-15.485495	1236.78	-2039.82
7	GUIDE	815140808	8.49	16650	0.011	0.118	0.070	0.112	254.749682	-15.027918	-743.24	-113.35

2.4 Star Slots

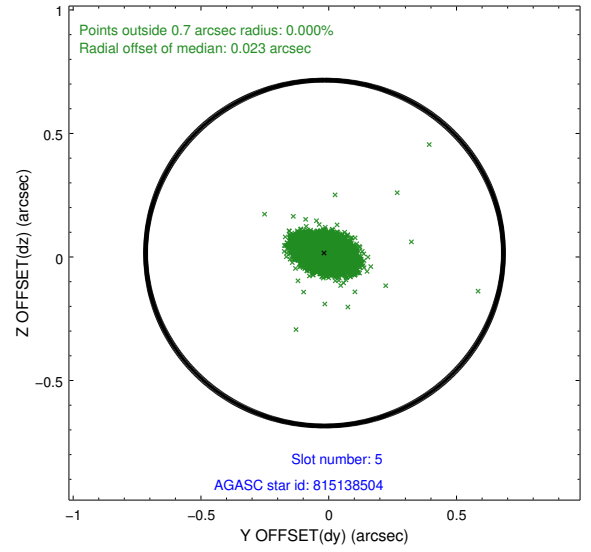
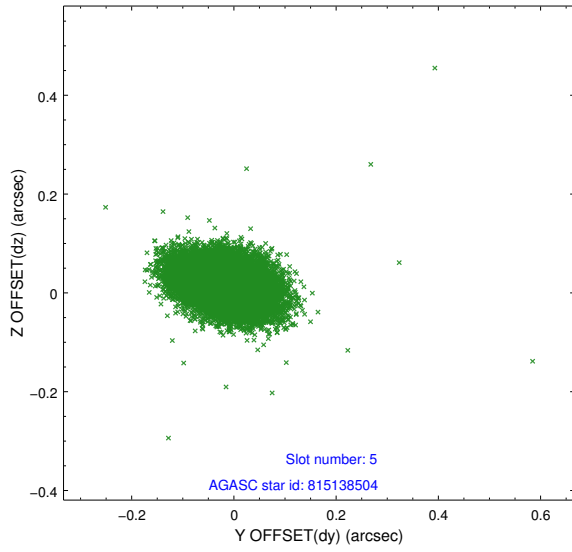
2.4.1 Slot 3



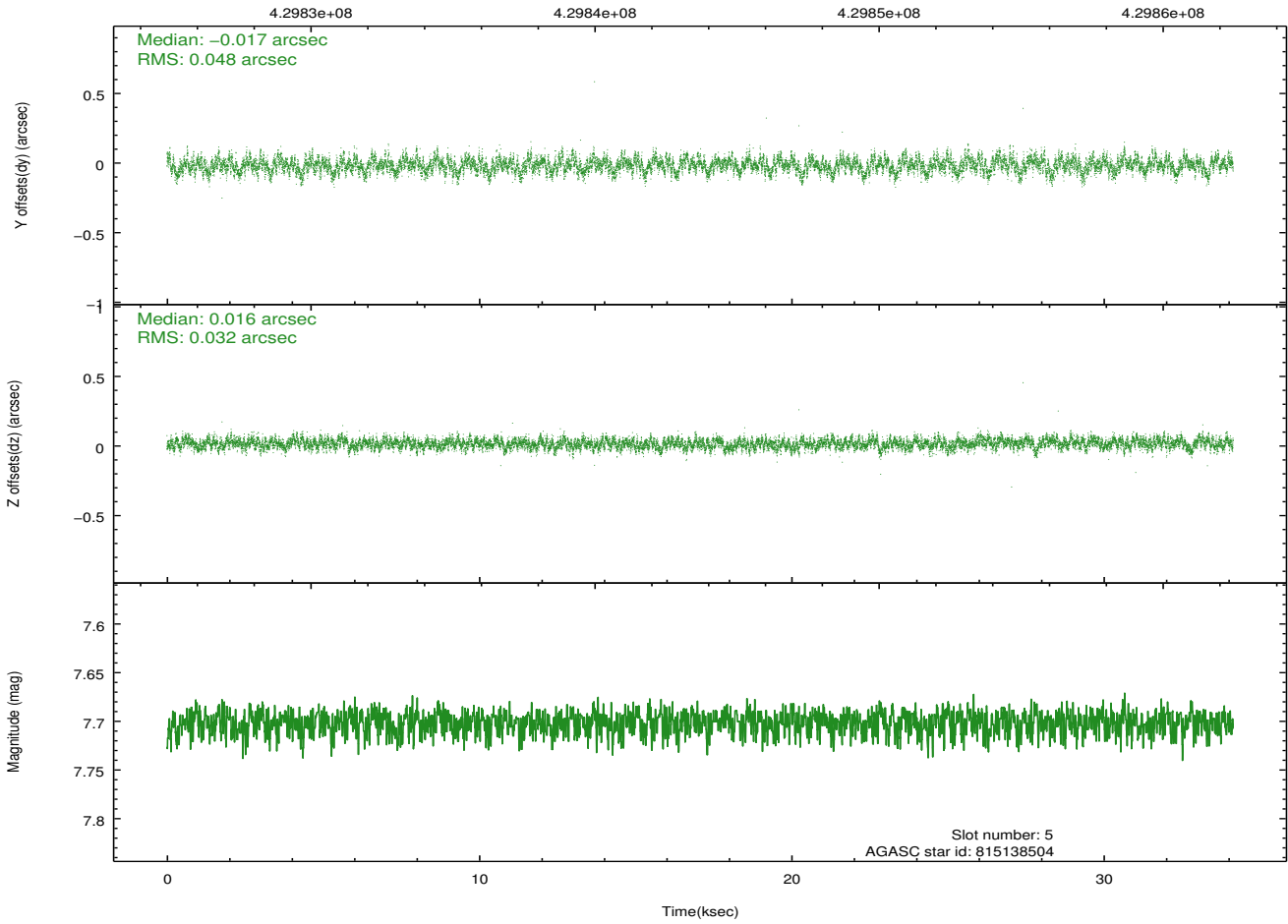
2.4.2 Slot 4



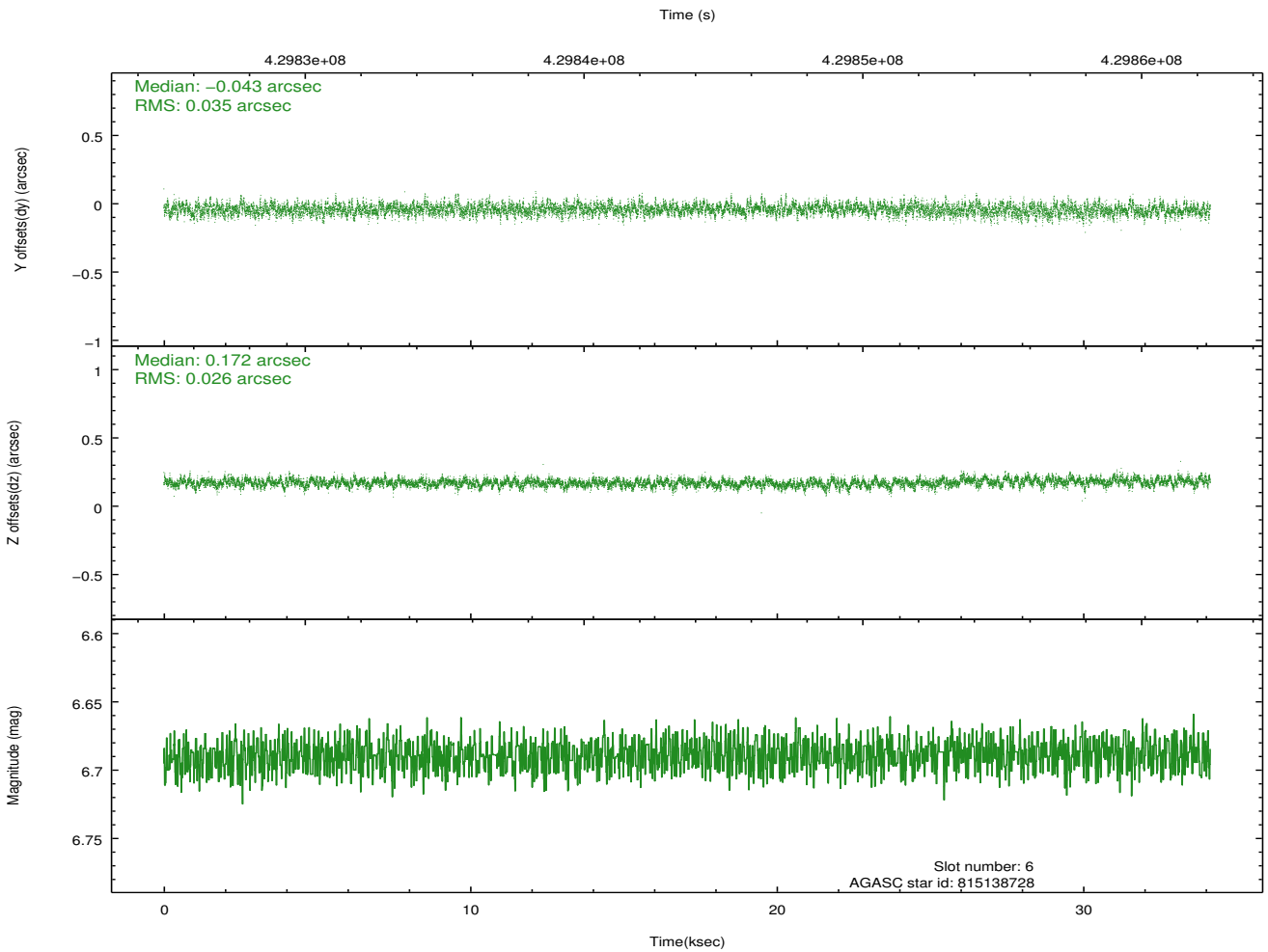
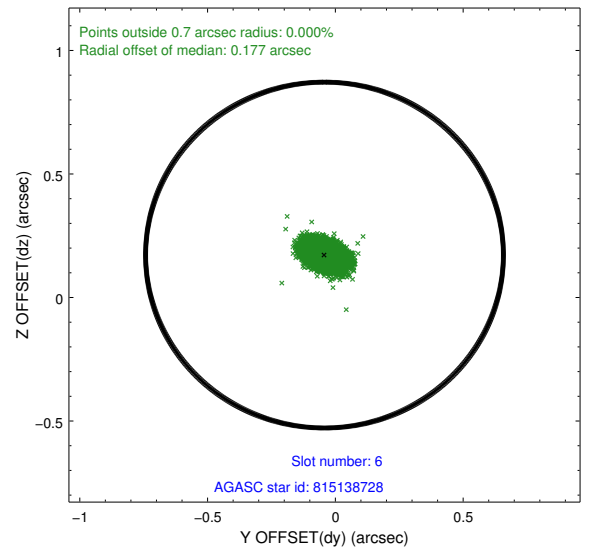
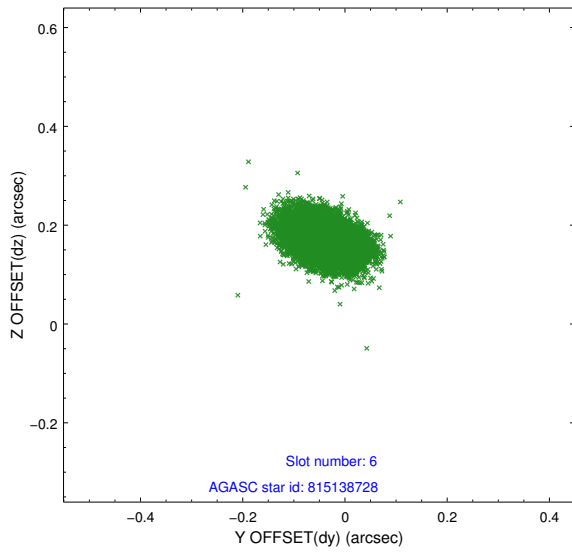
2.4.3 Slot 5



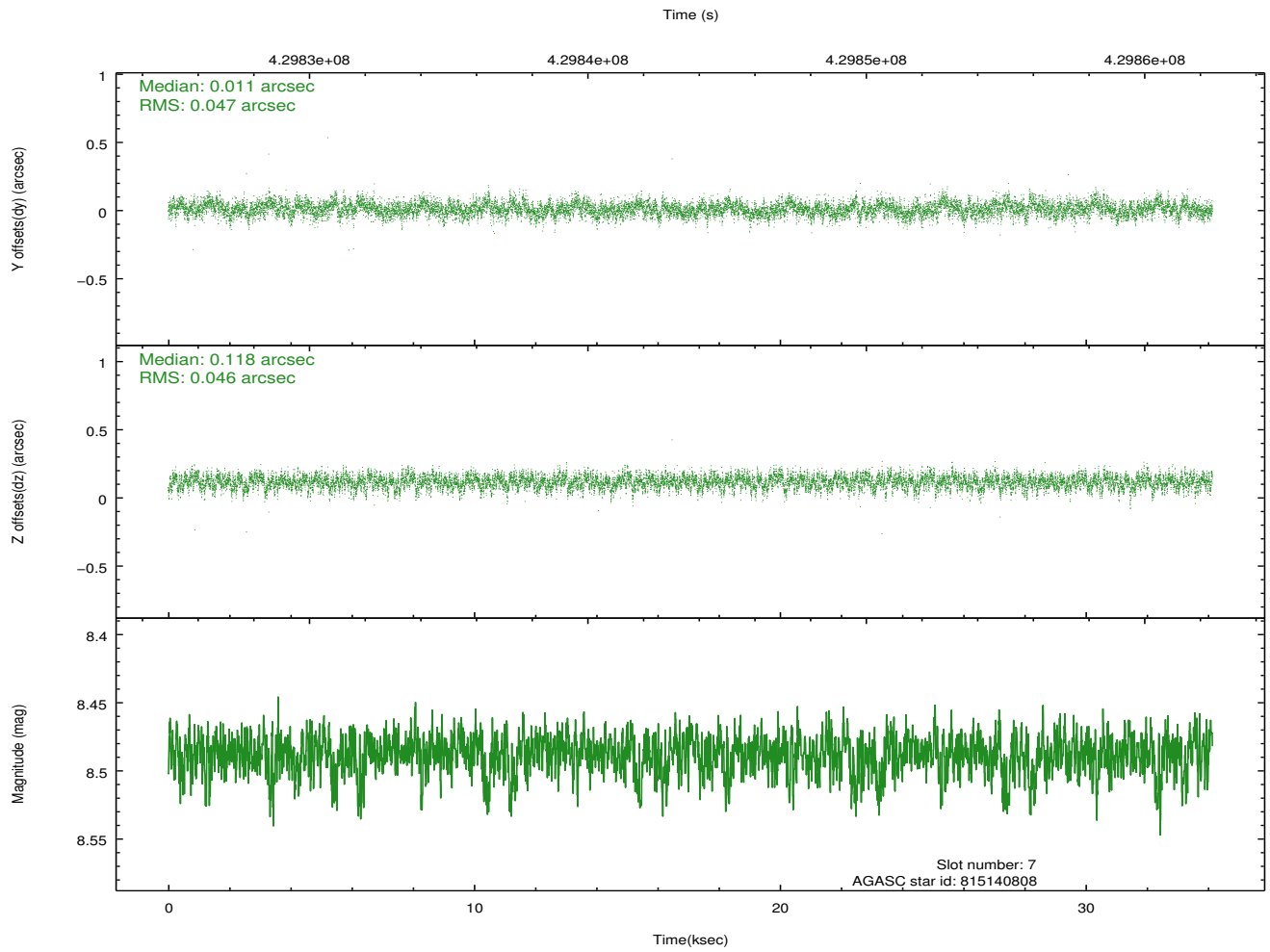
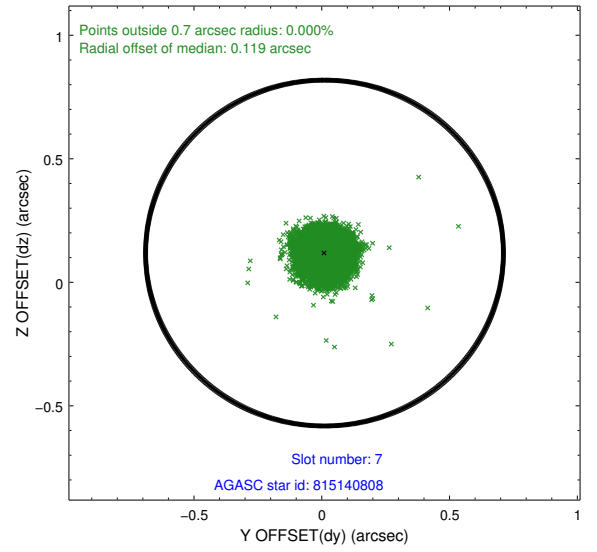
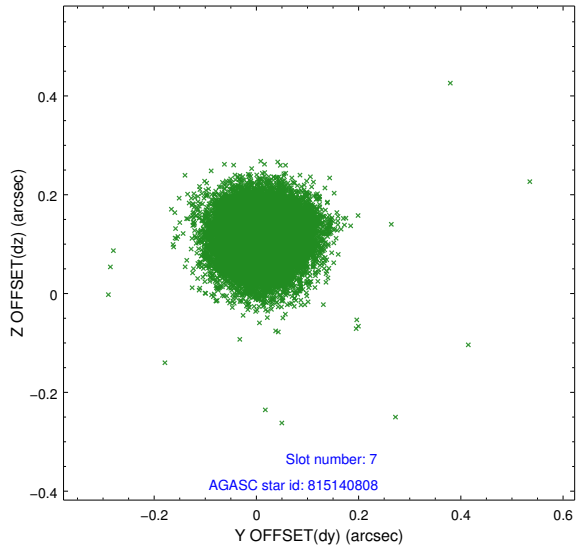
Time (s)



2.4.4 Slot 6

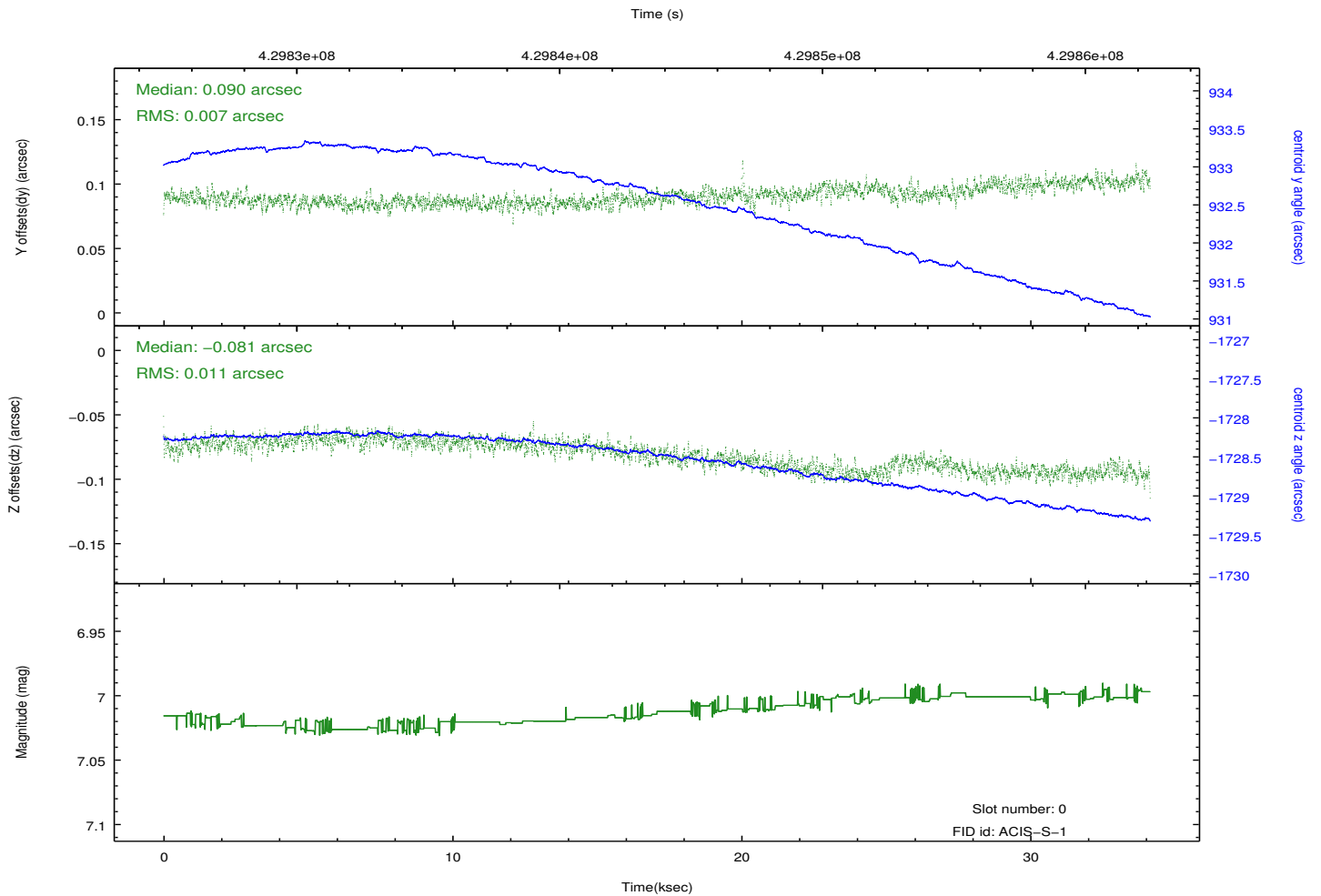
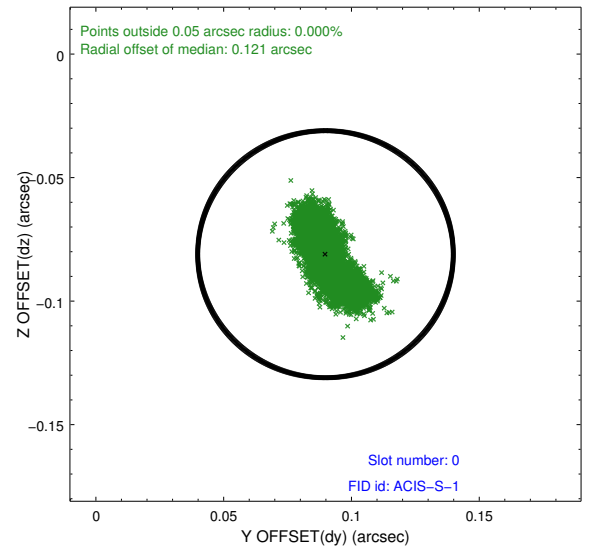
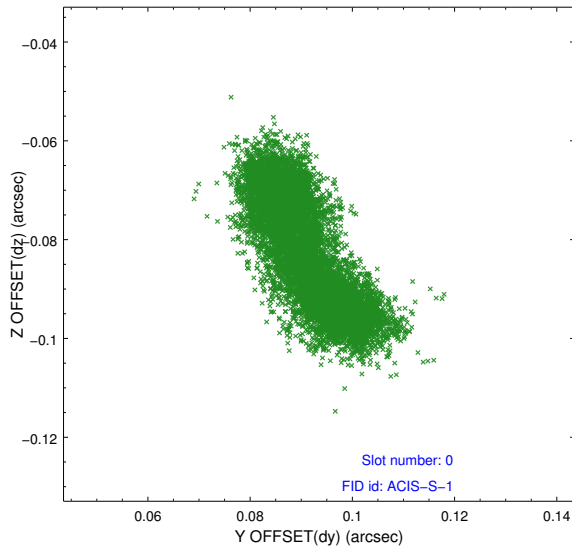


2.4.5 Slot 7

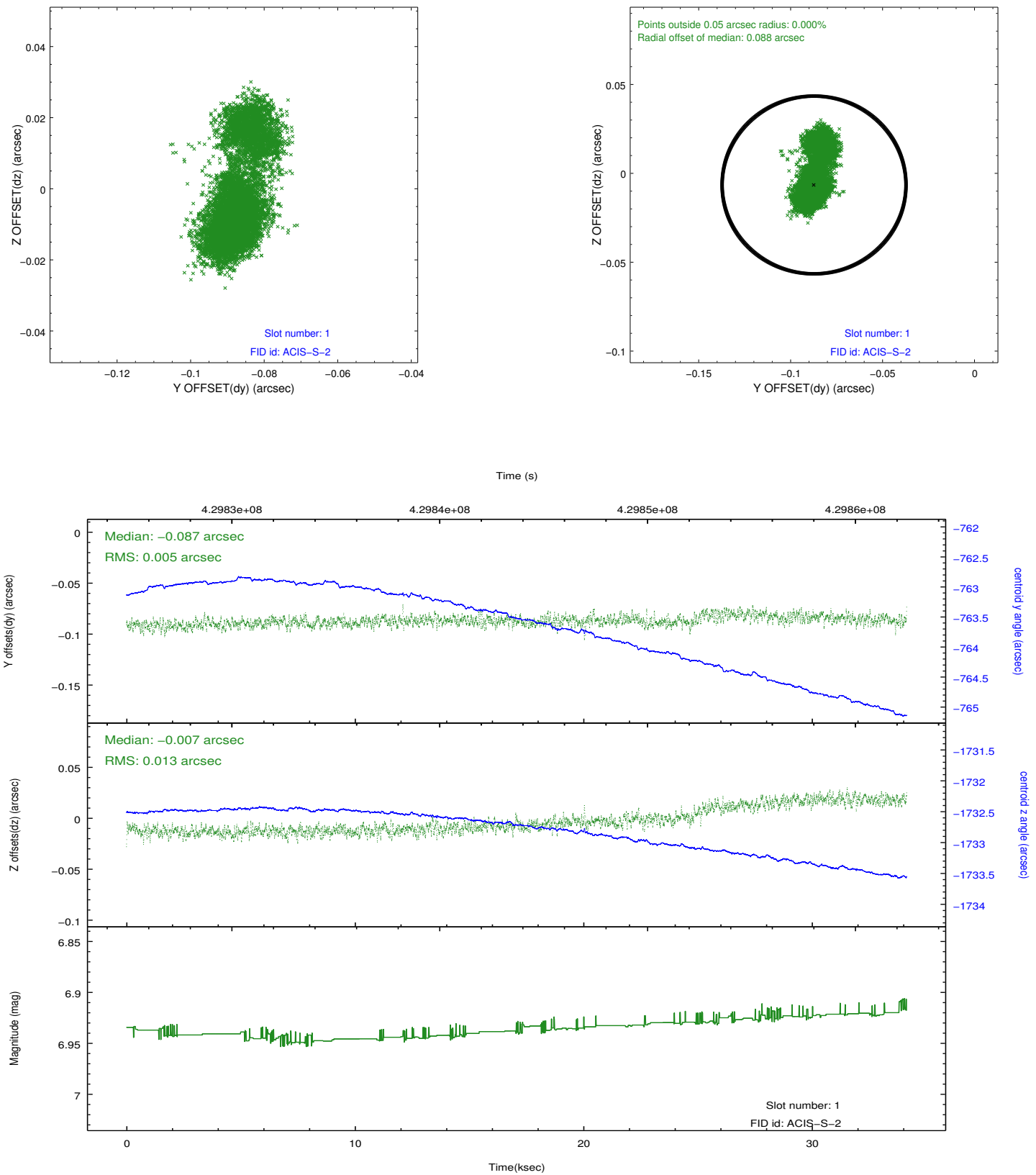


2.5 FID Slots

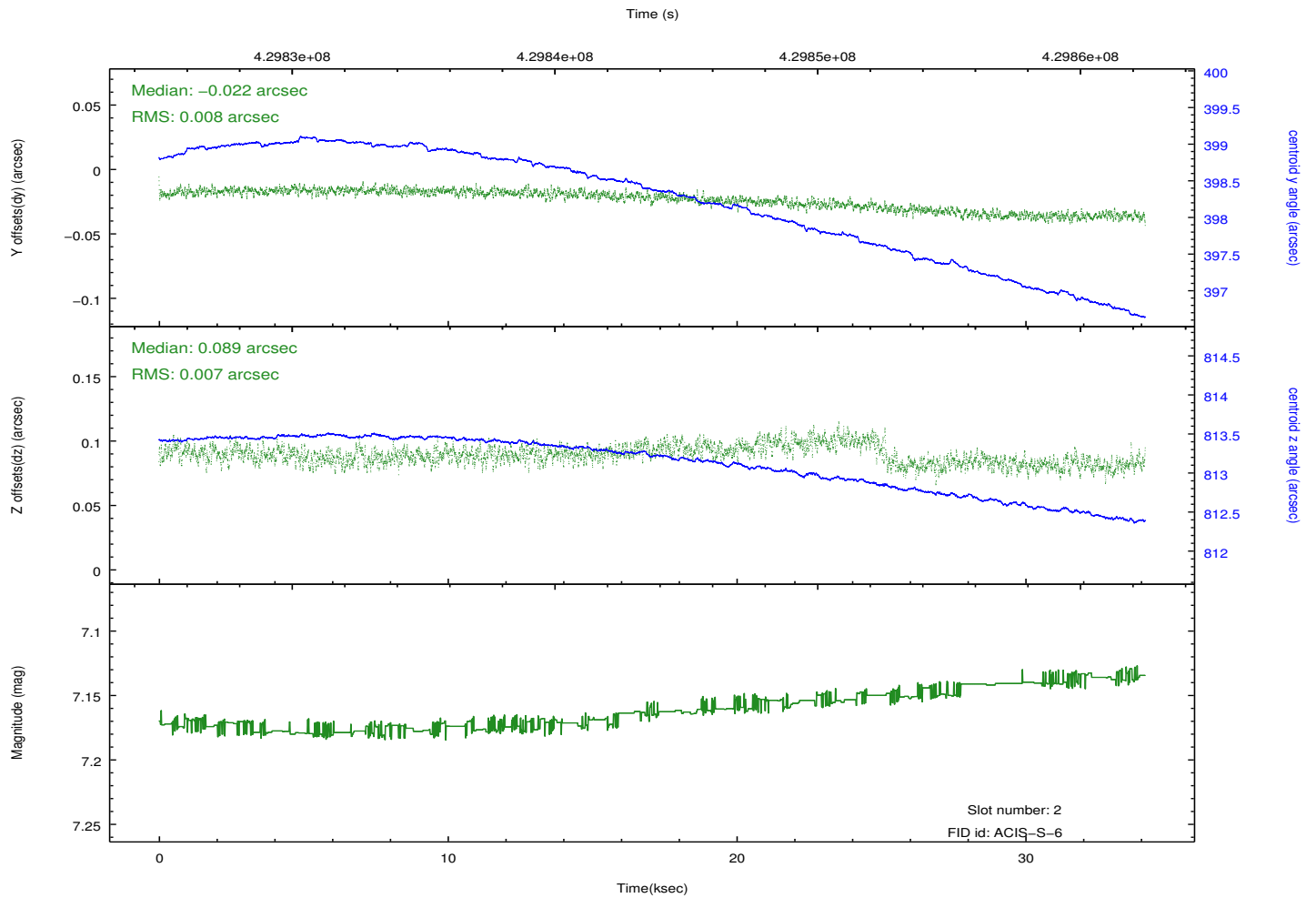
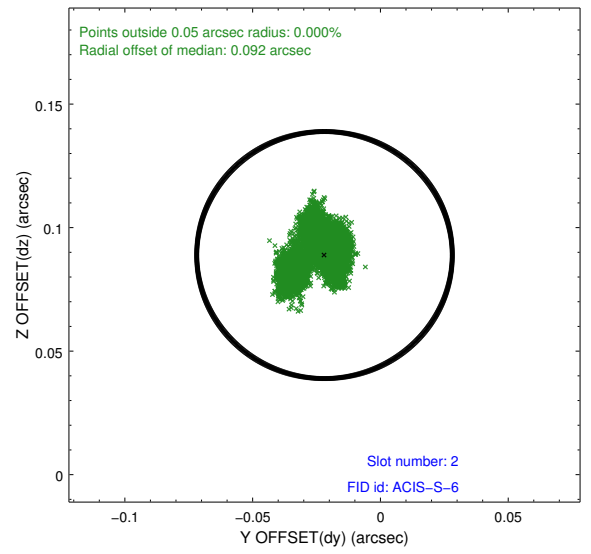
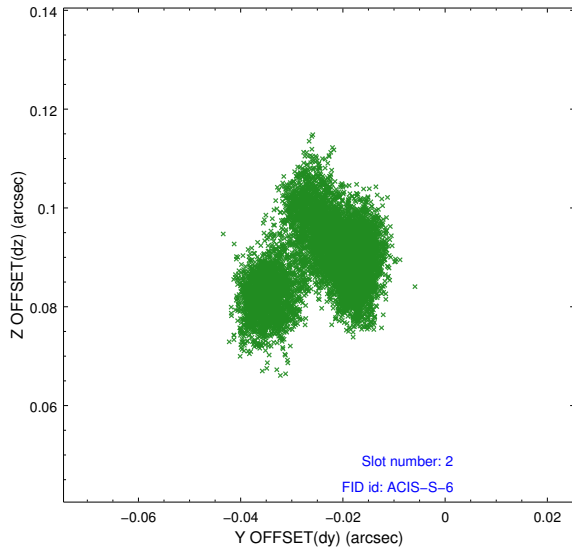
2.5.1 Slot 0



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)	2012.02.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	33.965925442159

A.2 Comments

Joint proposal: NRAO