

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 10799 - L2 Version 2
Chandra X-Ray Center

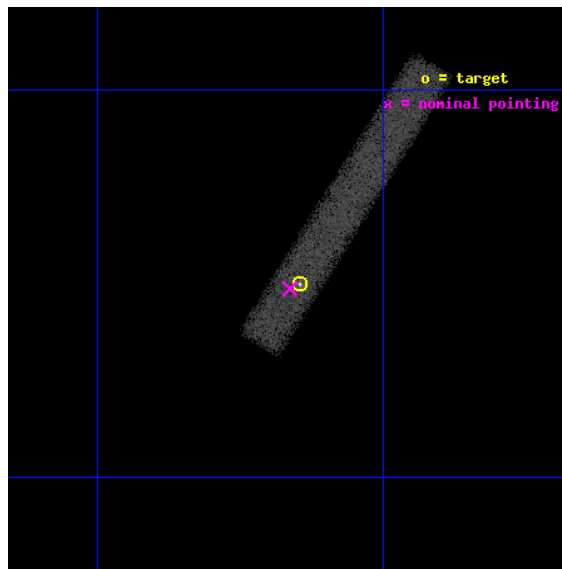
L2 Processing Date : May 23 2012

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

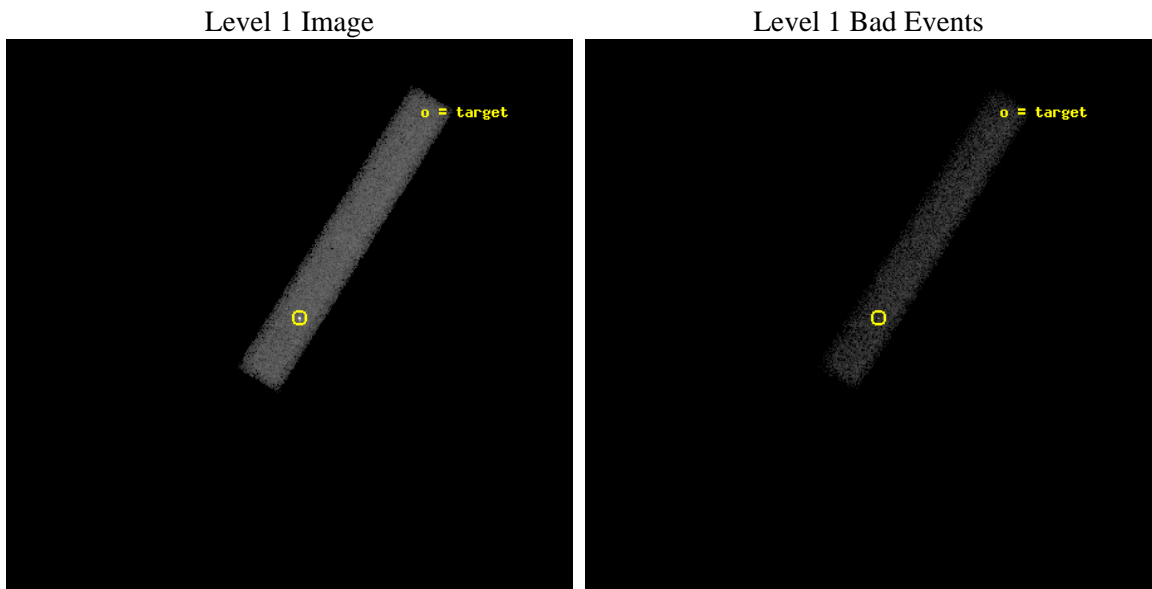
seq_num	701923	Sequence number
obs_id	10799	Observation id
title	Probing X-Ray Jet Emission Mechanisms in a Complete Blazar Sample	
observer	Dr Preeti Kharb	Principal investigator
object	0106+013	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	17.161667	Observer's specified target RA [deg]
dec_targ	1.583417	Observer's specified target Dec [deg]
ra_nom	17.166018469245	Nominal RA [deg]
dec_nom	1.5812749811912	Nominal Dec [deg]
roll_nom	302.15651855359	Nominal Roll [deg]
revision	2	Processing version of data
ontime	35181.597903013	Sum of GTIs [s]
liveltime	31907.852261031	Livetime [s]
ontime7	35181.597903013	Sum of GTIs [s]
l2events	33031	Number of level 2 events



2 OBI

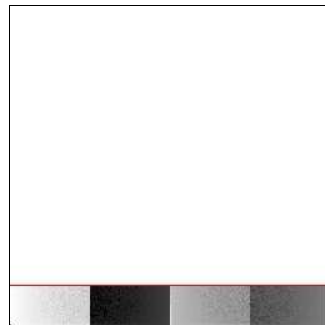
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	35000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	35181.597903013	Sum of GTIs [s]
caldbver	4.4.9	 	ontime7	35181.597903013	Sum of GTIs [s]
date	2012-05-23T13:42:01	Date and time of file creation	l1events	70164	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

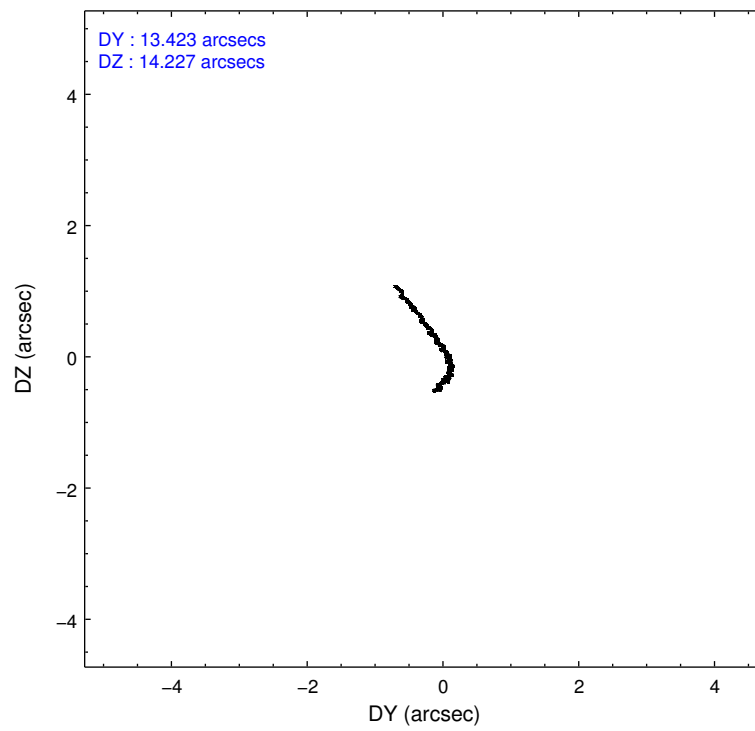
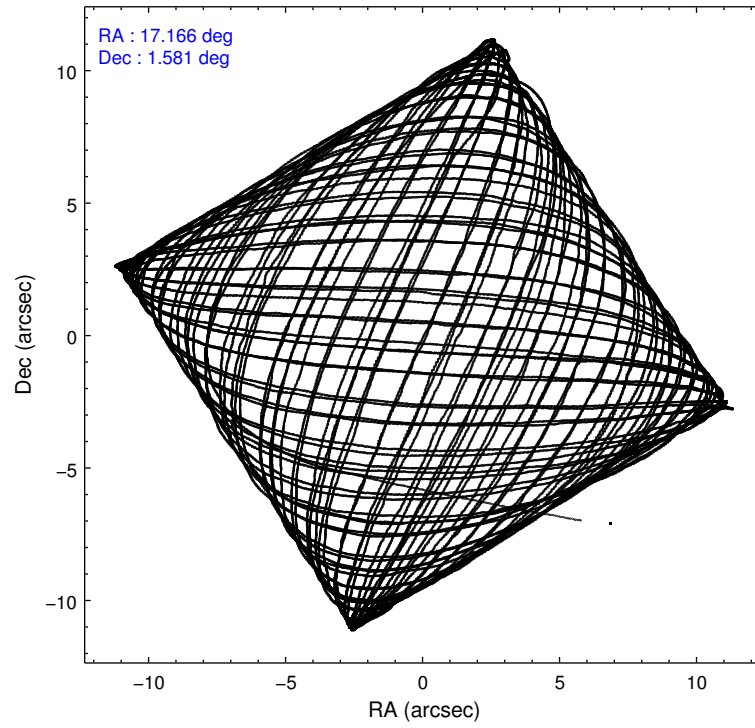
	ccd 7
level 1 events	70164
rejected events	36257
rejected %	51%

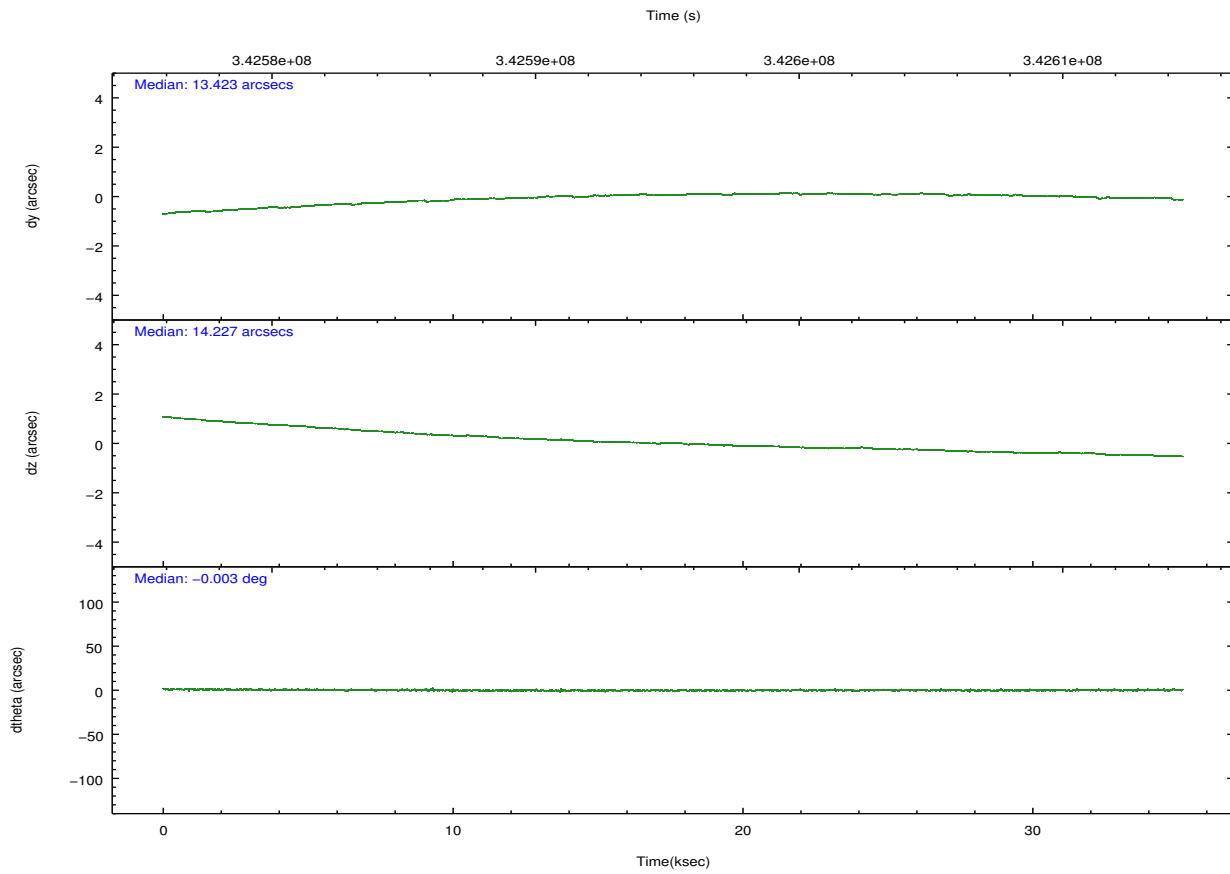
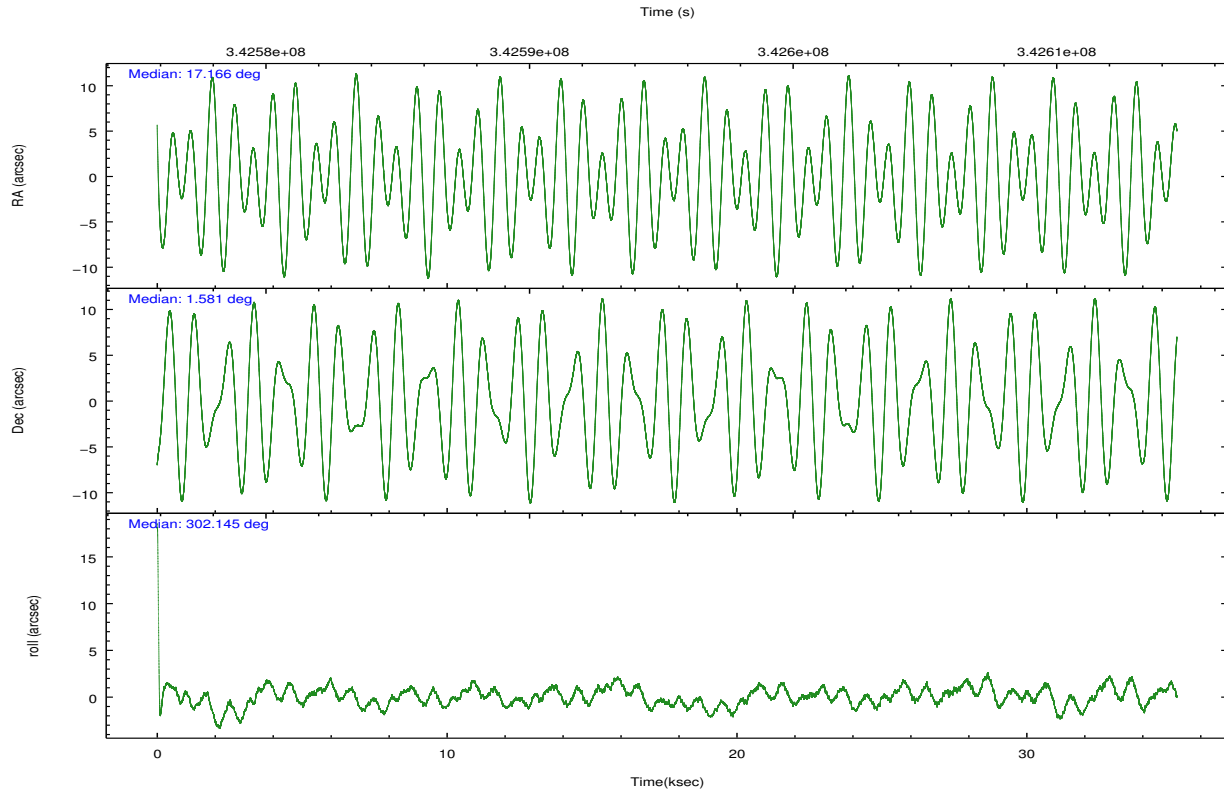
	ccd 7
grade 0 events	4045
	5%
grade 1 events	63
	0%
grade 2 events	6845
	9%
grade 3 events	4385
	6%
grade 4 events	4112
	5%
grade 5 events	5766
	8%
grade 6 events	15657
	22%
grade 7 events	29291
	41%

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	17.141669	17.16601846924469	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	1.593721	1.581274981191237	Subarray start row	1	1
[deg] Pointing Roll	302.000557	302.1565185535853	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	-179.432523	-179.4416544417341			
[mm] SIM translation stage offset	-10.7	-10.69086814127374			
[s] Observation start time (MET)	342577811.184000	342576242.33397			
Observation start date	2008-11-09T00:29:06	2008-11-09T00:04:02			
[s] Observation end time (MET)	342612811.184000	342614323.13585			
Observation end date	2008-11-09T10:12:26	2008-11-09T10:38:43			
Read mode	TIMED	TIMED			

2.3 Aspect



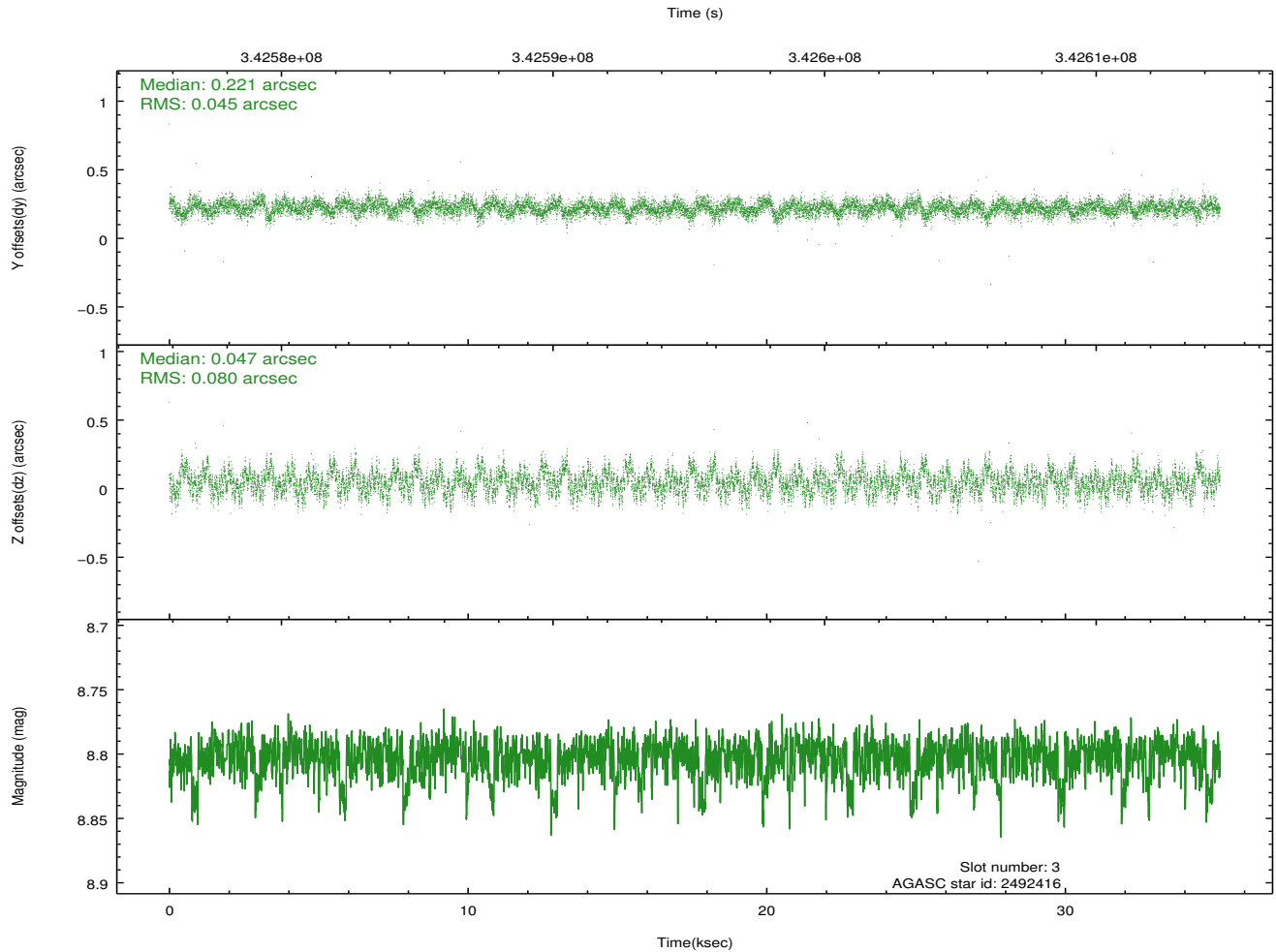
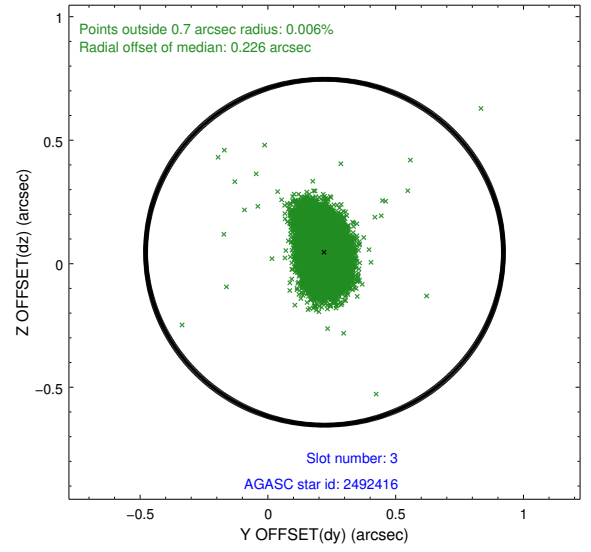
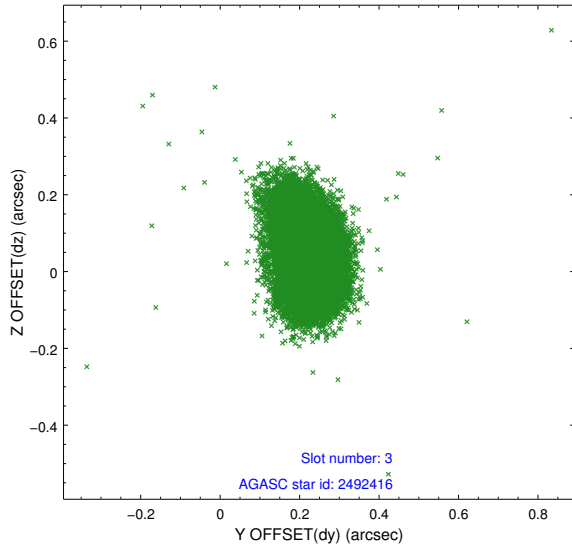


Slot Statistics

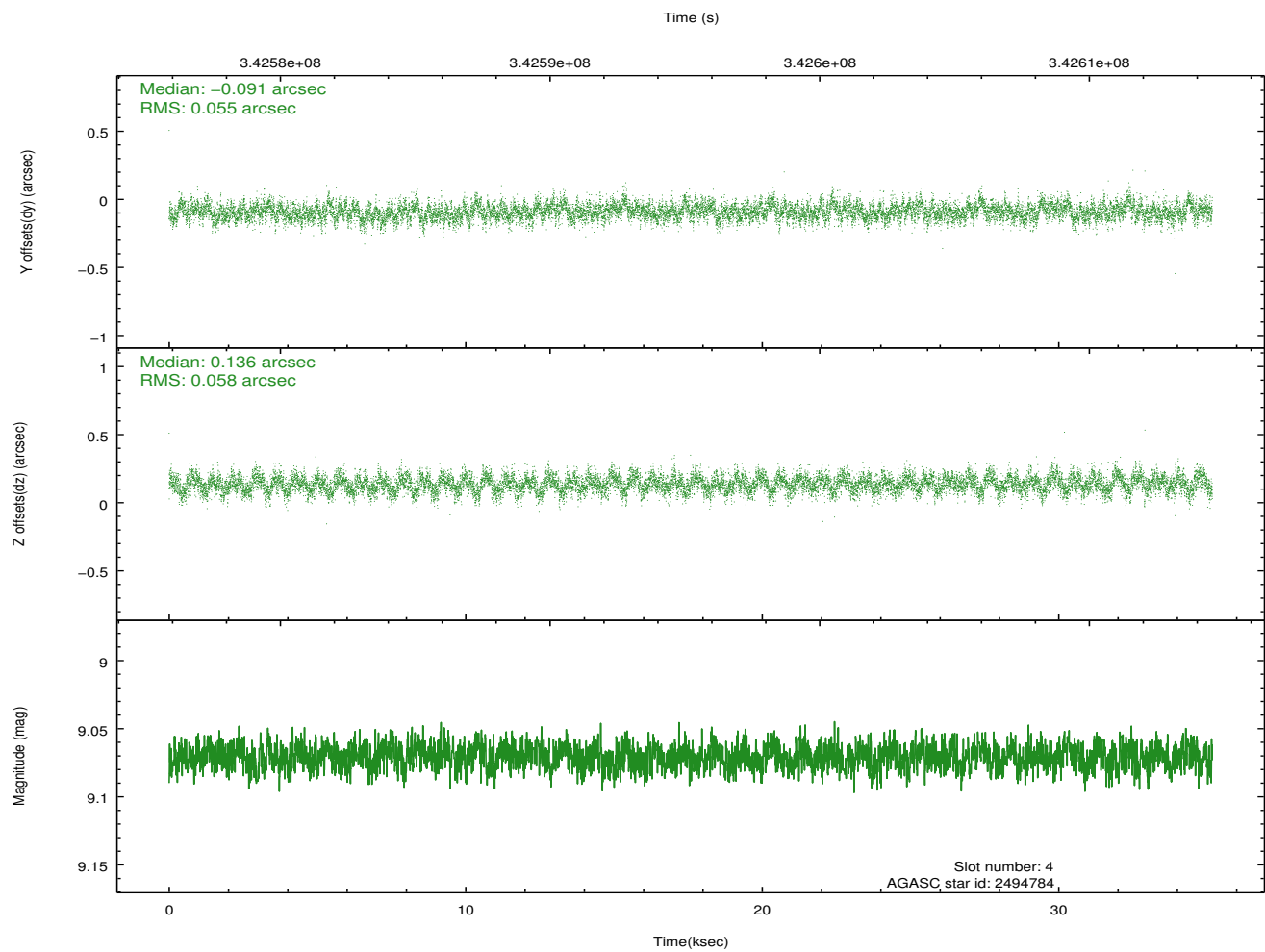
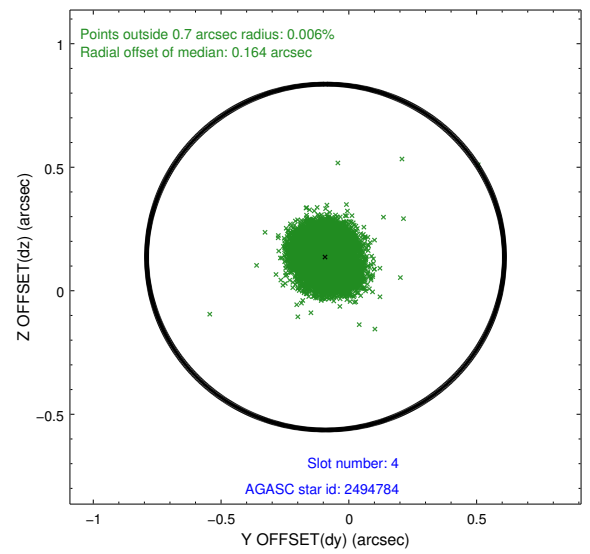
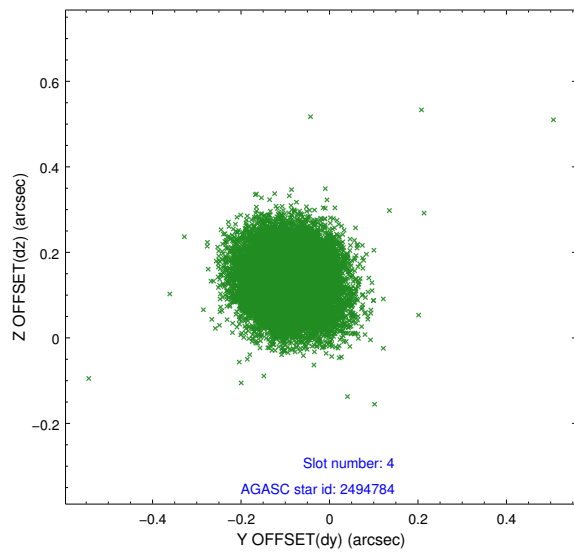
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.97	8581	0.160	0.056	0.010	0.018	0.000000	0.000000	930.65	-1951.39
1	FID	ACIS-S-5	7.03	8581	-0.149	0.167	0.011	0.019	0.000000	0.000000	-1818.55	-53.70
2	FID	ACIS-S-6	7.19	8578	-0.034	-0.212	0.012	0.020	0.000000	0.000000	396.07	589.84
3	GUIDE	2492416	8.80	17152	0.221	0.047	0.095	0.162	16.803588	1.355176	84.22	-1486.26
4	GUIDE	2494784	9.07	17144	-0.091	0.136	0.084	0.137	16.552098	1.950471	-2212.44	-1117.58
5	GUIDE	2495584	9.12	17143	-0.086	0.002	0.113	0.180	17.258321	2.240143	-1751.23	1588.86
6	GUIDE	2496872	8.84	17152	0.011	-0.122	0.099	0.155	16.933662	1.413437	154.34	-978.06
7	GUIDE	2500304	8.64	17154	-0.053	-0.060	0.084	0.134	16.571799	1.448277	-642.24	-2016.23

2.4 Star Slots

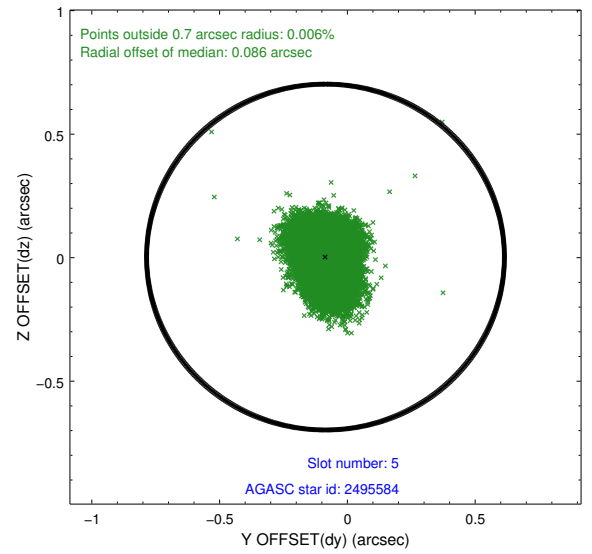
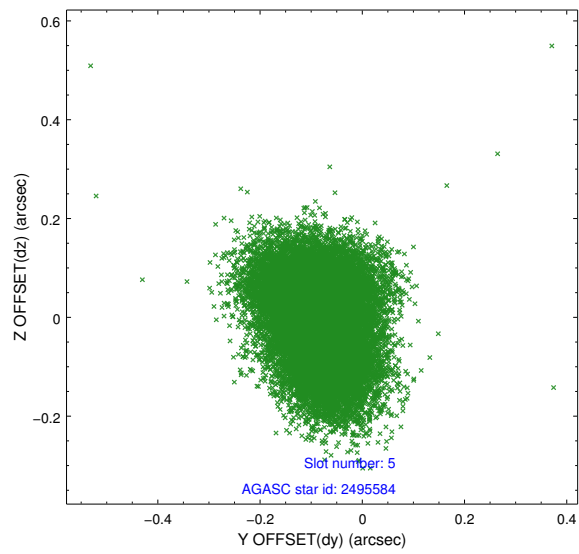
2.4.1 Slot 3



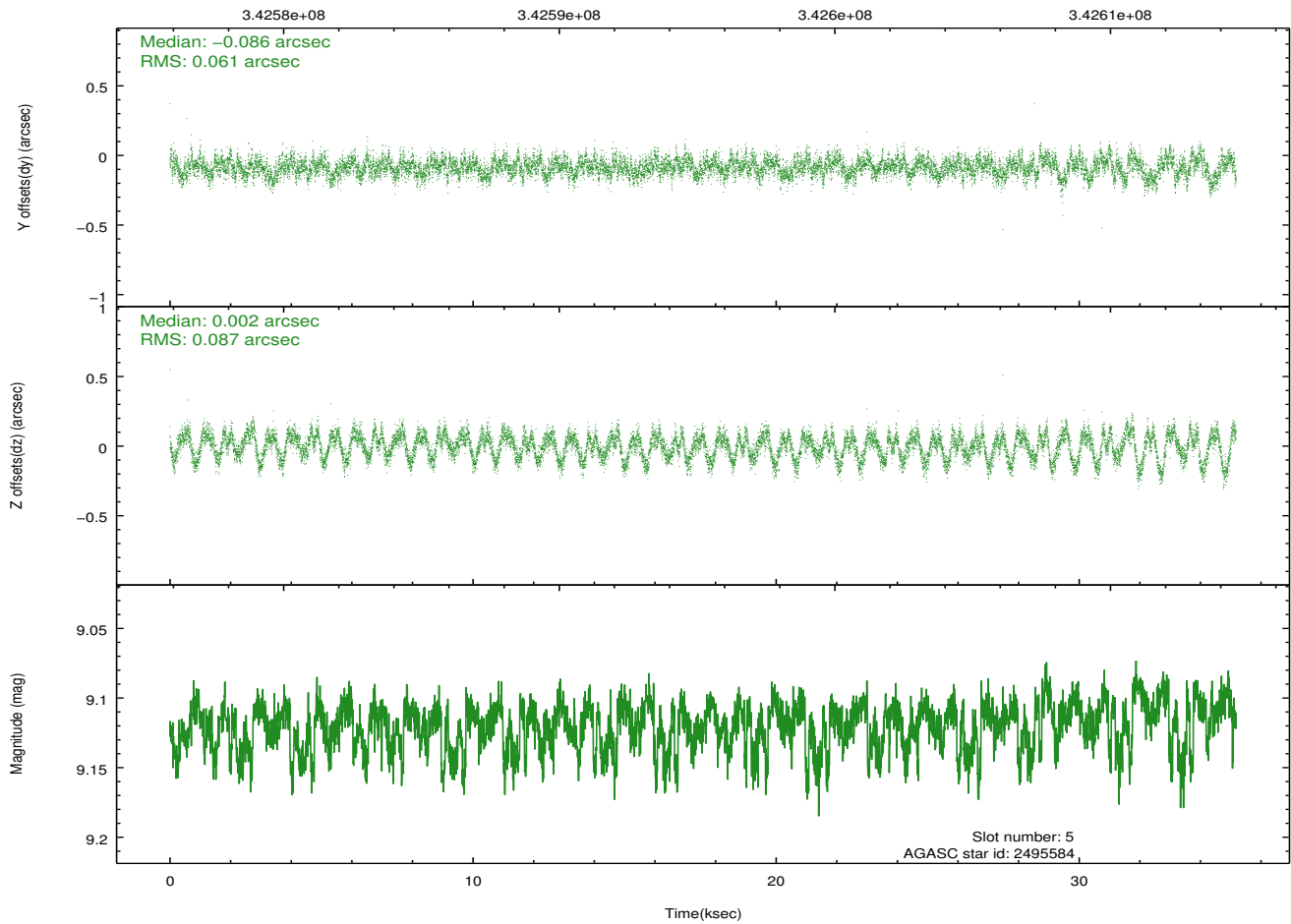
2.4.2 Slot 4



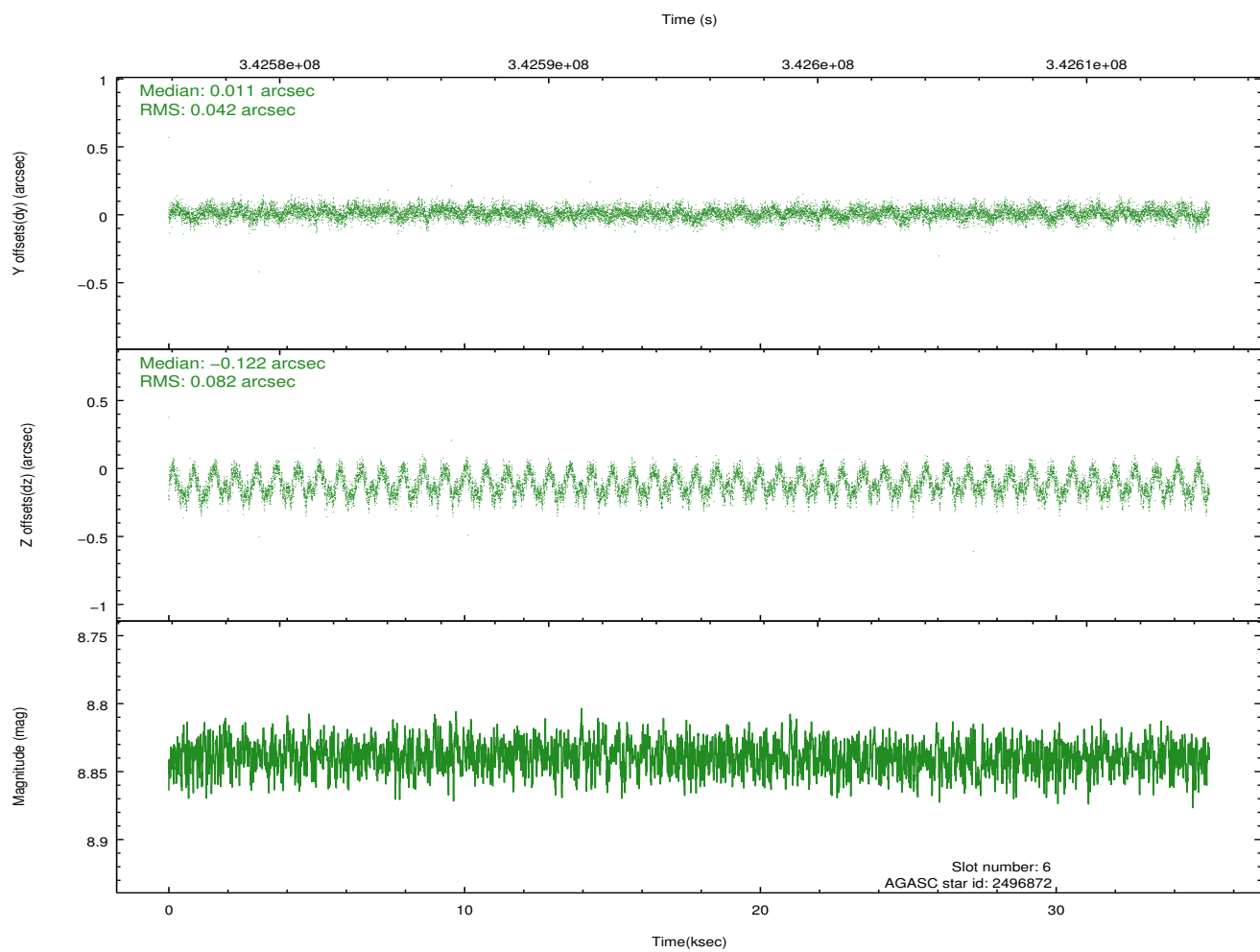
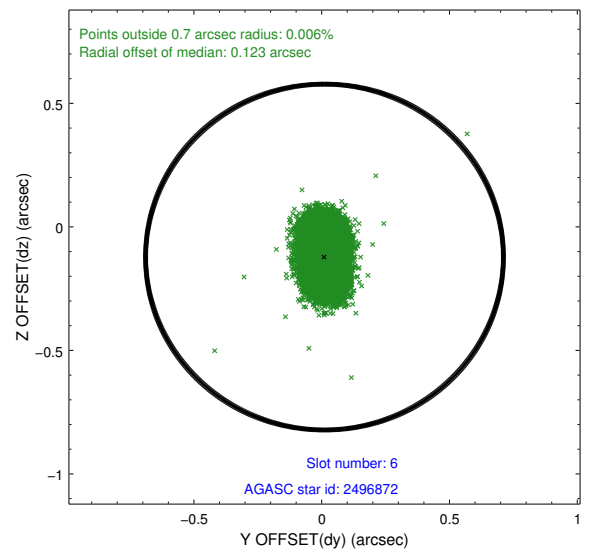
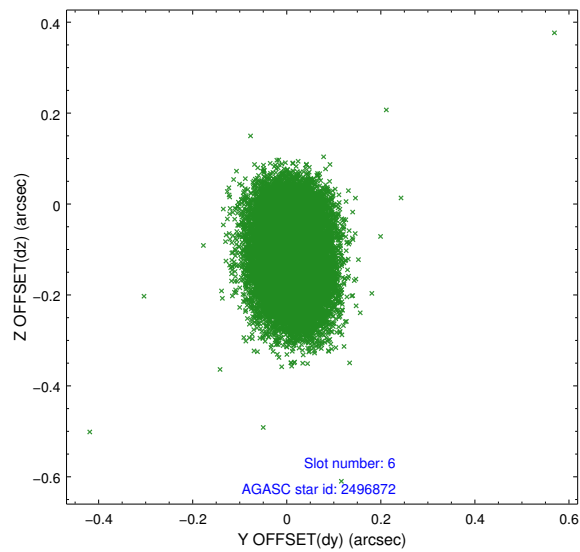
2.4.3 Slot 5



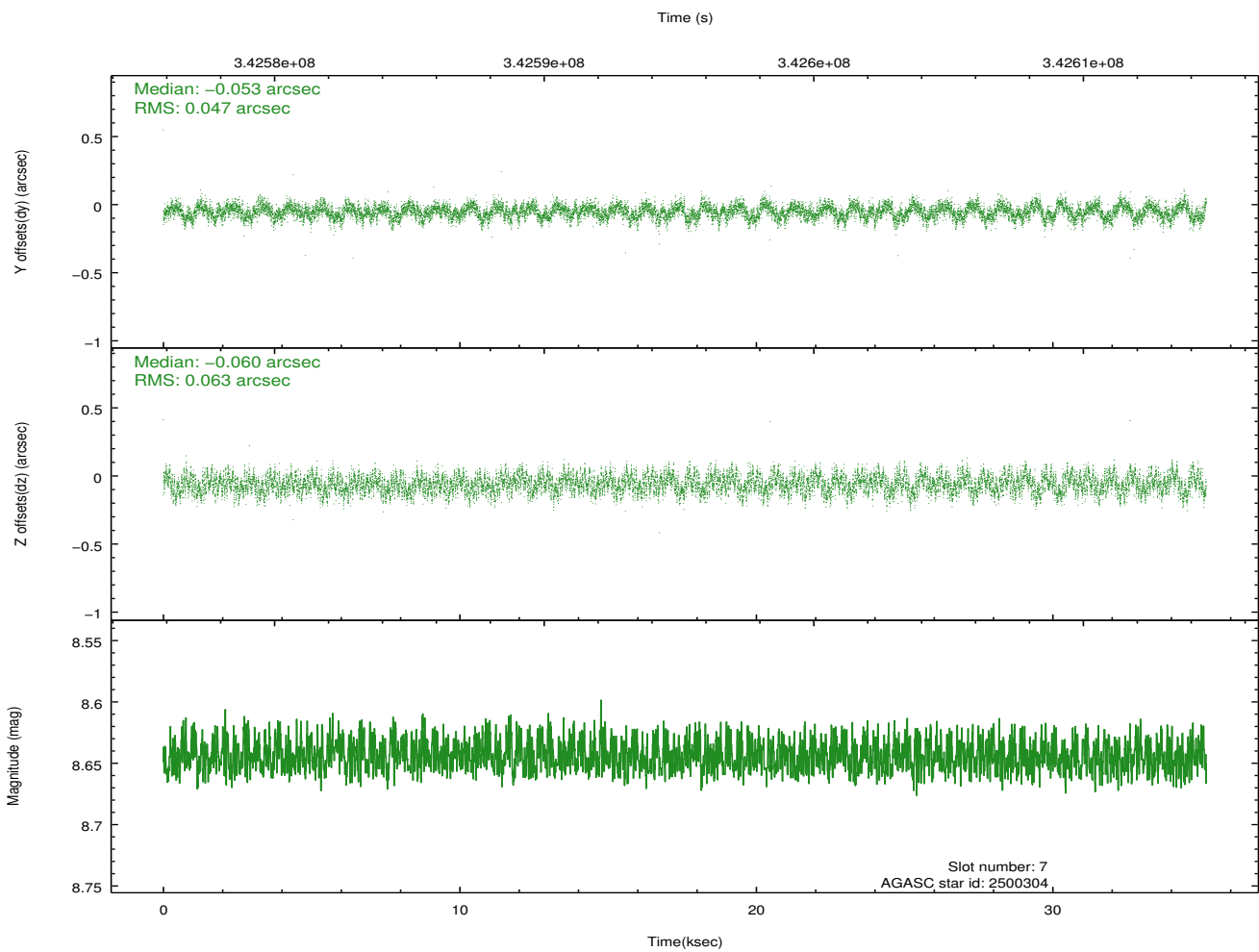
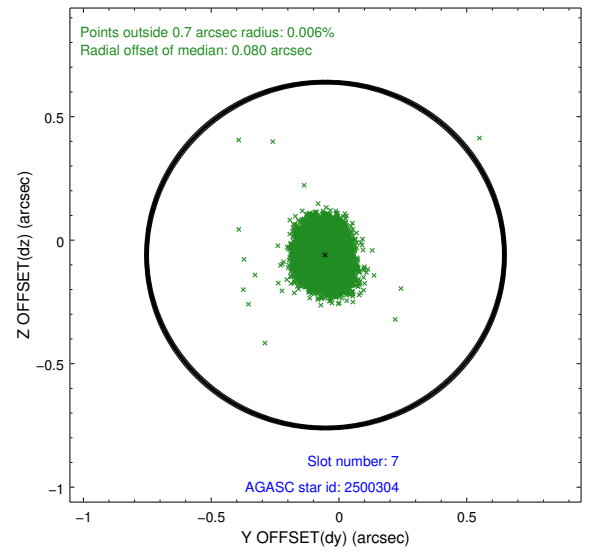
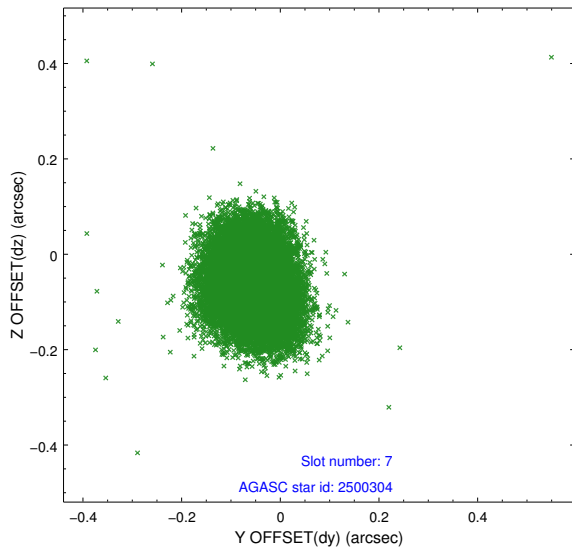
Time (s)



2.4.4 Slot 6

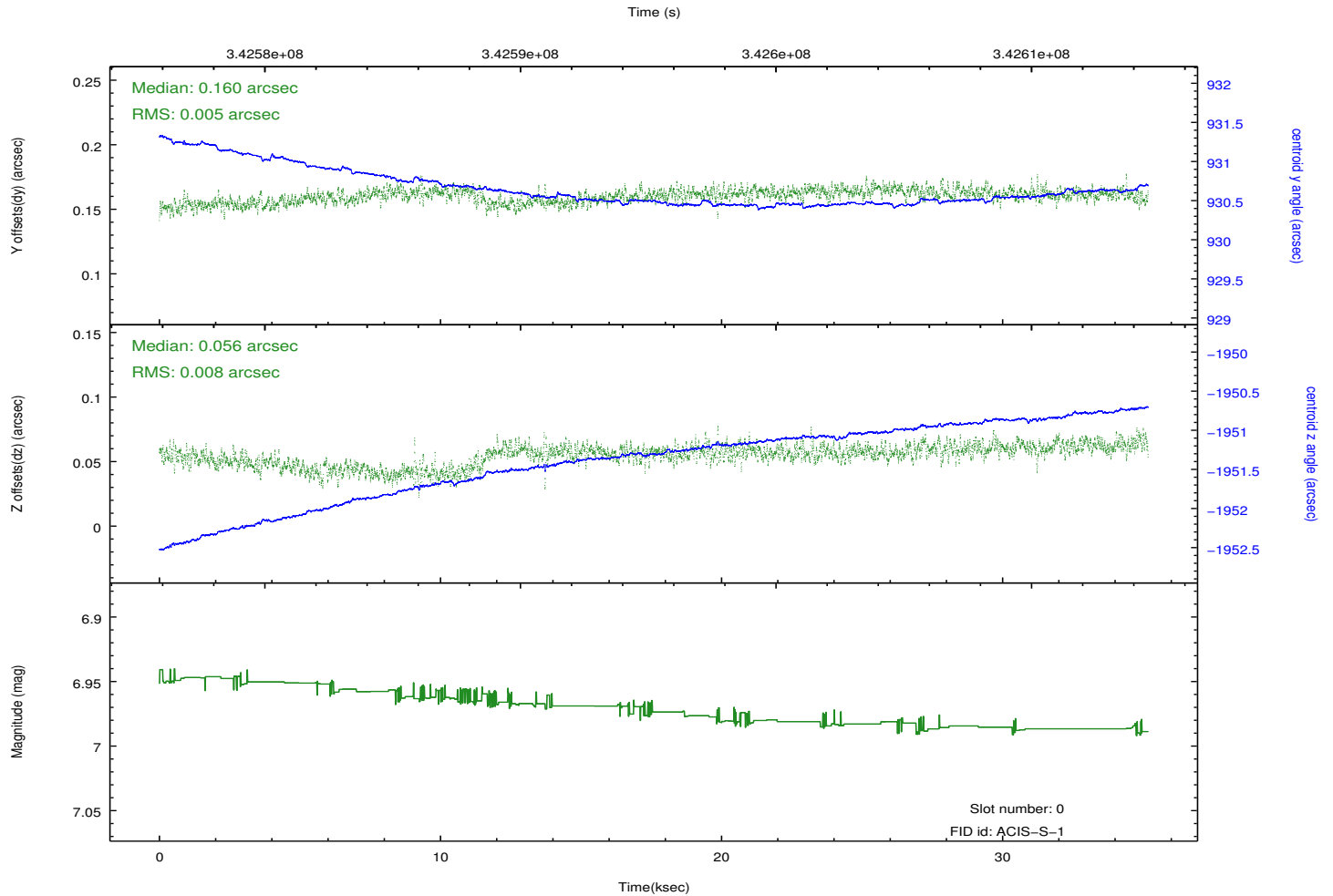
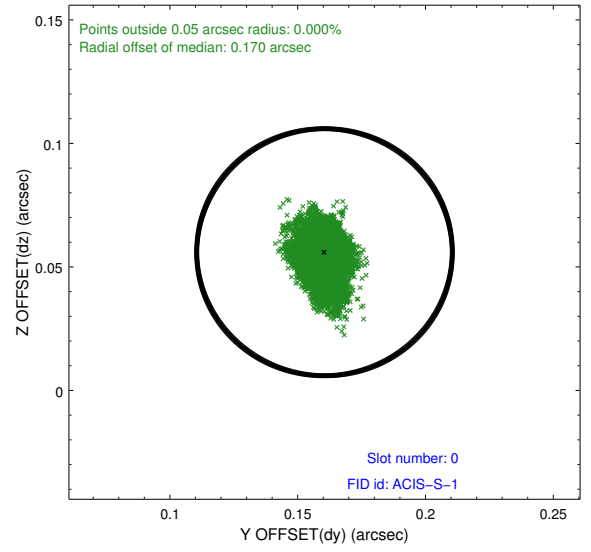
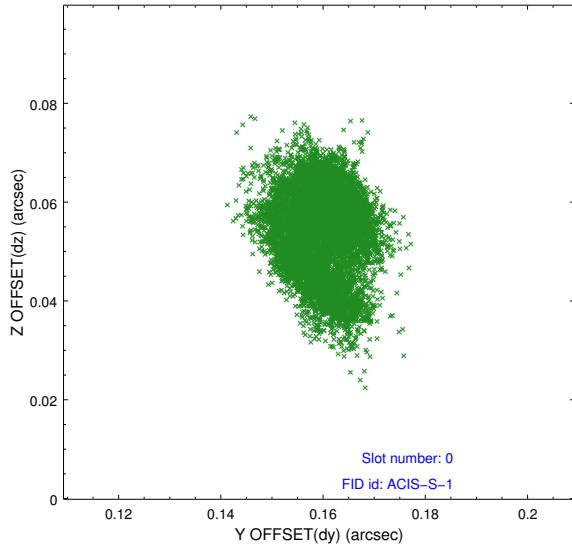


2.4.5 Slot 7

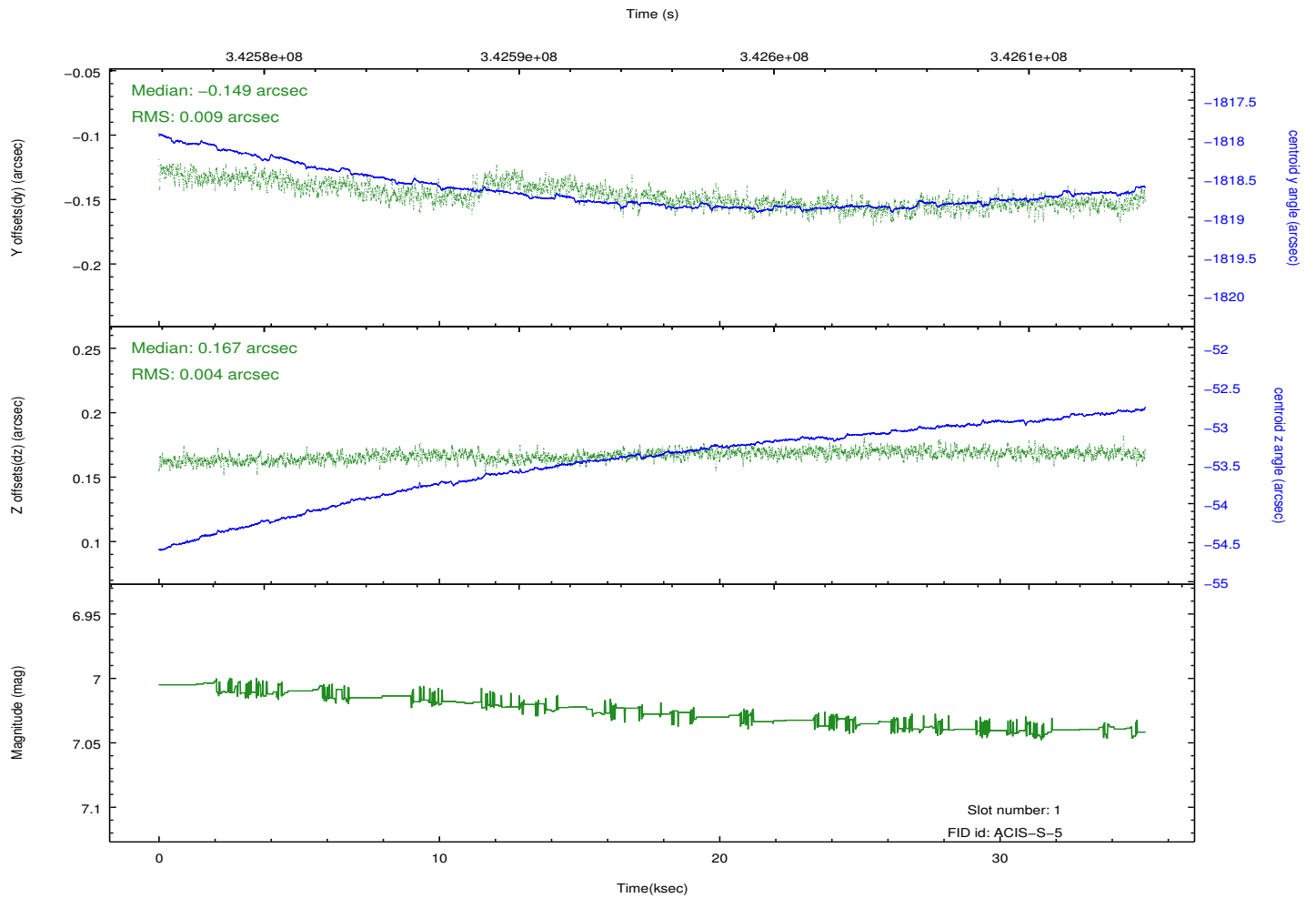
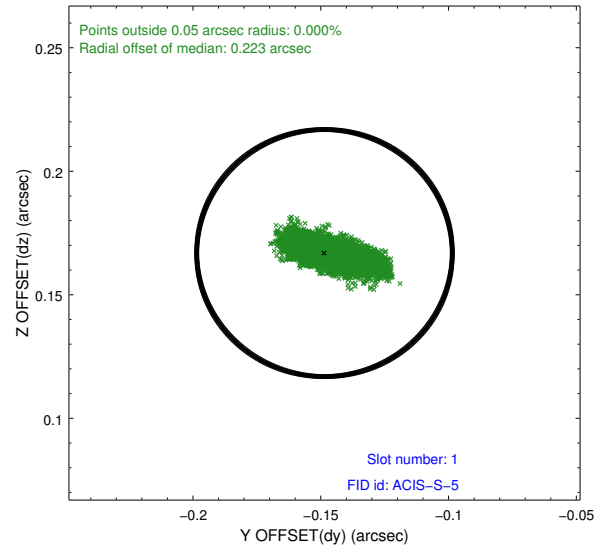
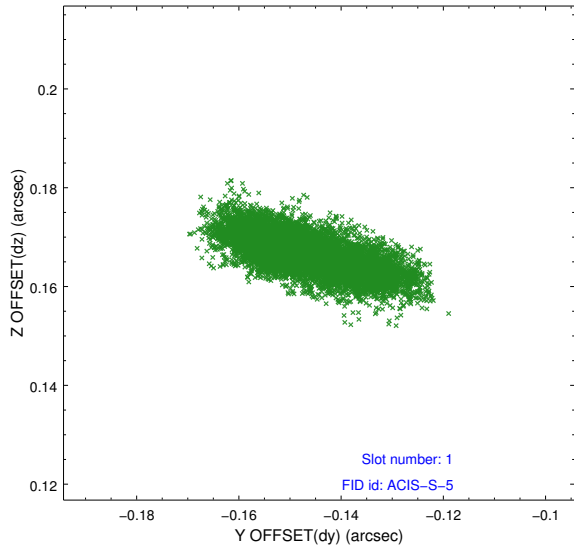


2.5 FID Slots

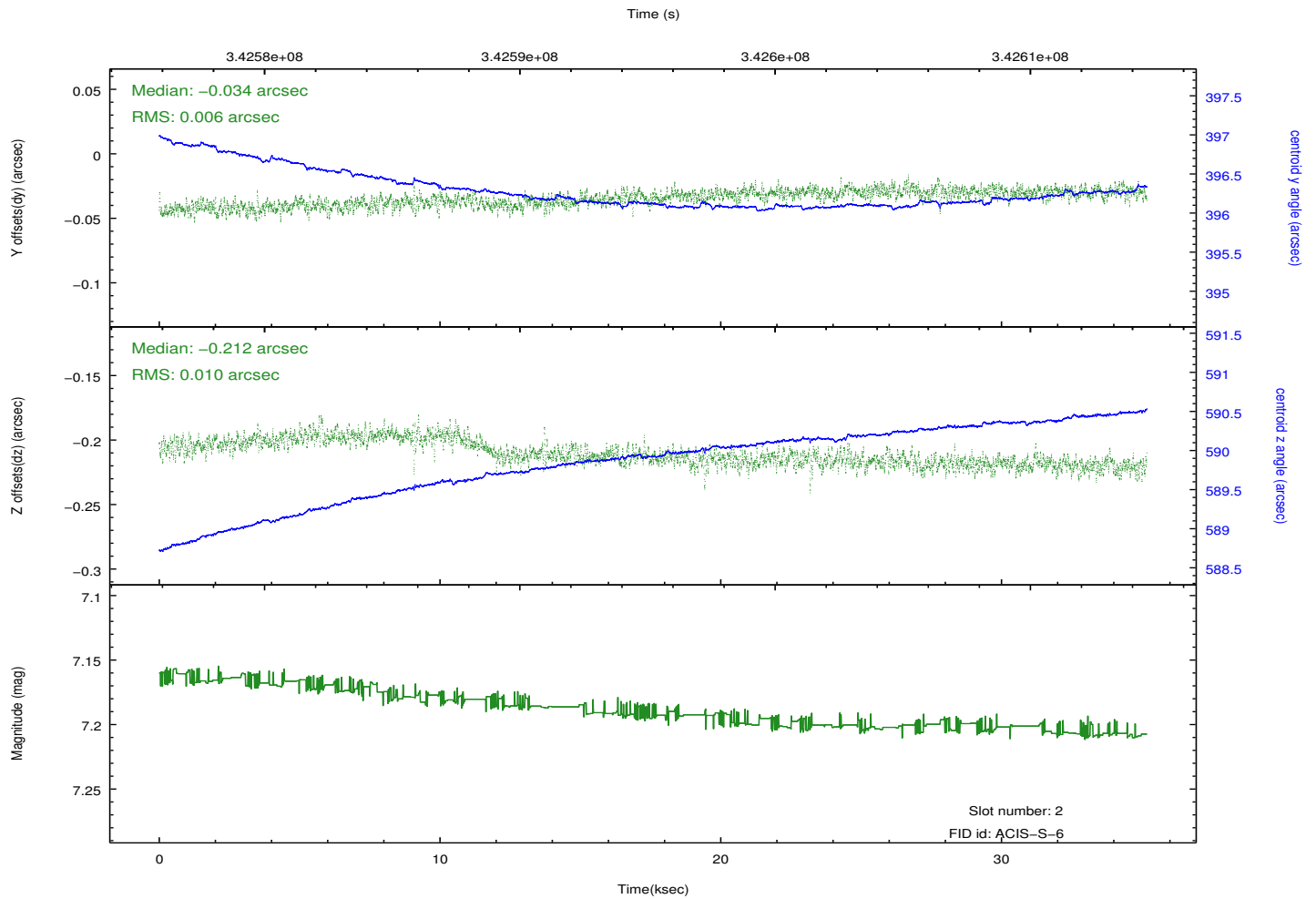
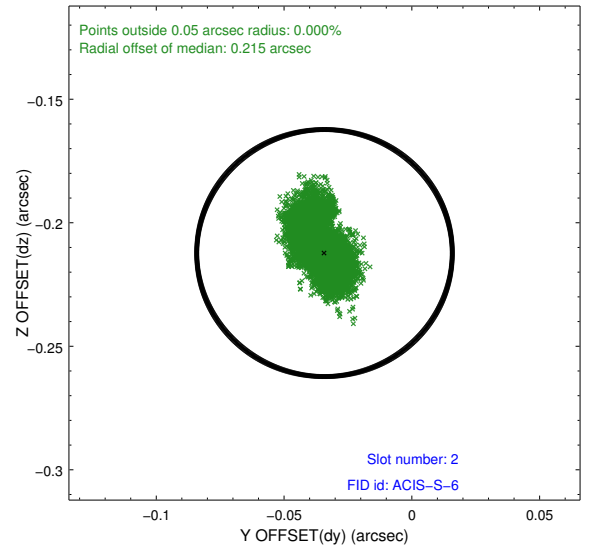
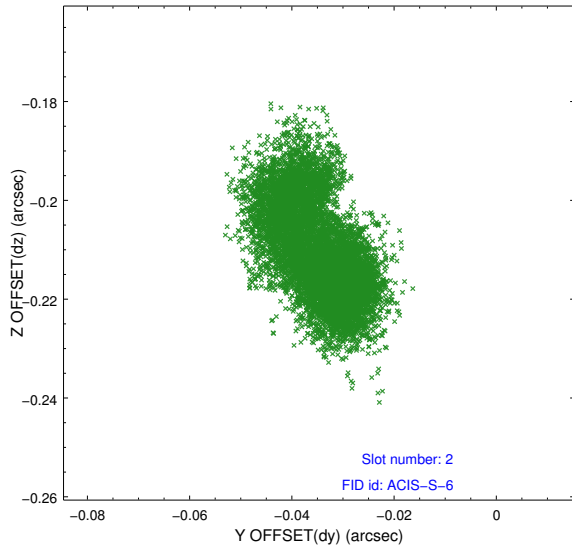
2.5.1 Slot 0



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)	2012.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.1815979

A.2 Comments

Joint proposal with HST. Roll preference met.