

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11439 - L2 Version 2
Chandra X-Ray Center

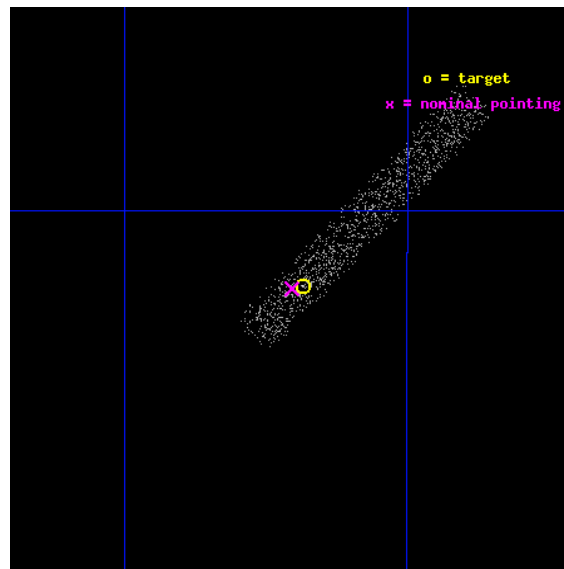
L2 Processing Date : Jun 15 2012

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

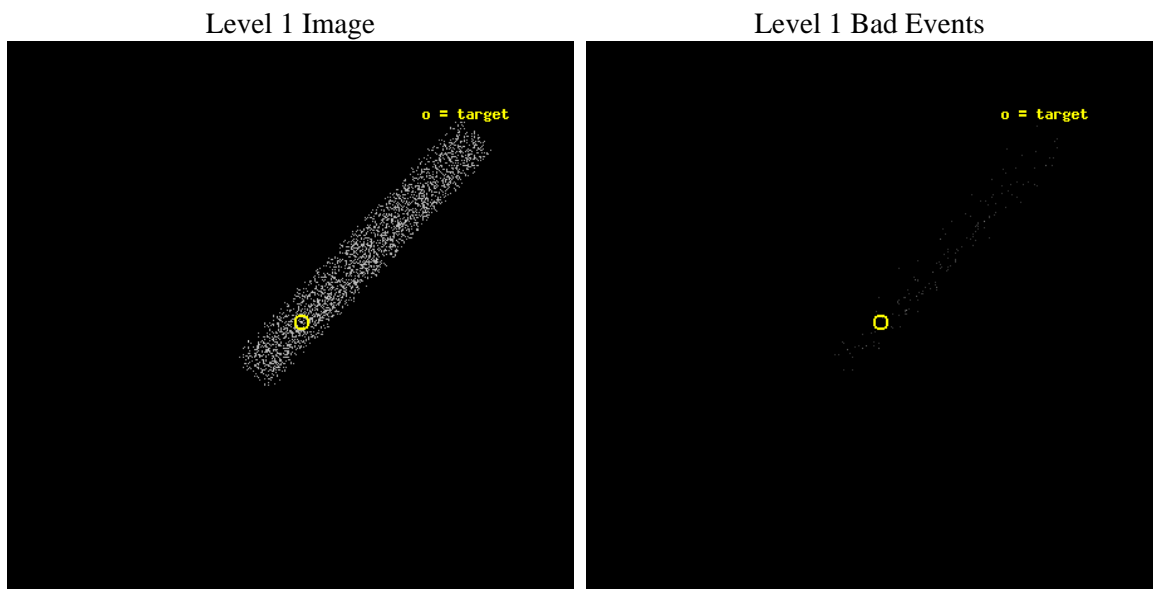
seq_num	702025	Sequence number
obs_id	11439	Observation id
title	X-ray Signatures of Accretion in AGNs with Intermediate-mass Black Holes	Proposal title
observer	Dr. Luis Ho	Principal investigator
object	SDSS J000111.15-100155.5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.29625	Observer's specified target RA [deg]
dec_targ	-10.032083	Observer's specified target Dec [deg]
ra_nom	0.30113602006583	Nominal RA [deg]
dec_nom	-10.033454582314	Nominal Dec [deg]
roll_nom	313.48752154849	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2171.9998705387	Sum of GTIs [s]
livetime	1969.8892350251	Livetime [s]
ontime7	2171.9998705387	Sum of GTIs [s]
l2events	1453	Number of level 2 events



2 OBI

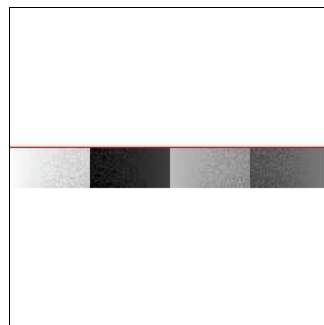
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2171.9998705387	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	2171.9998705387	Sum of GTIs [s]
date	2012-06-15T12:00:56	Date and time of file creation	l1events	4506	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

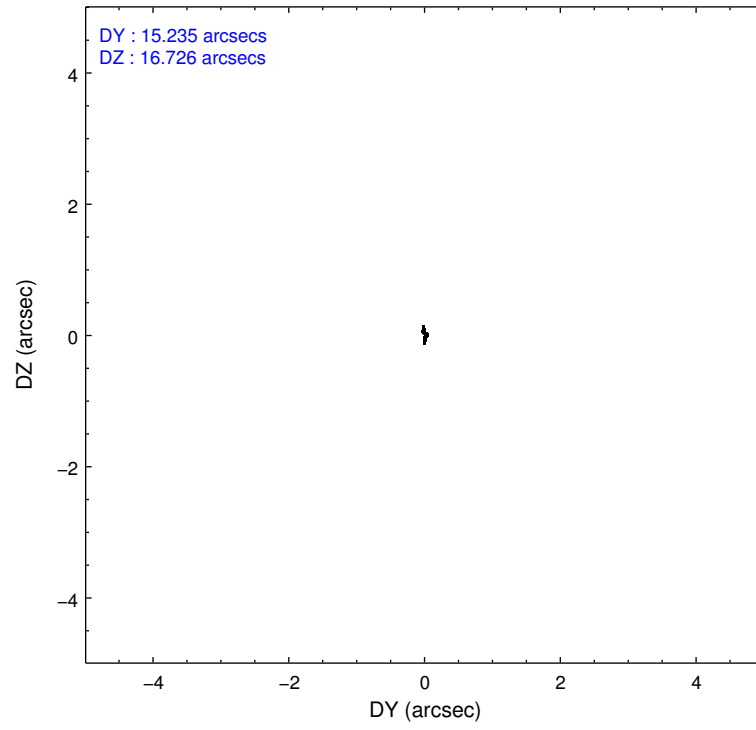
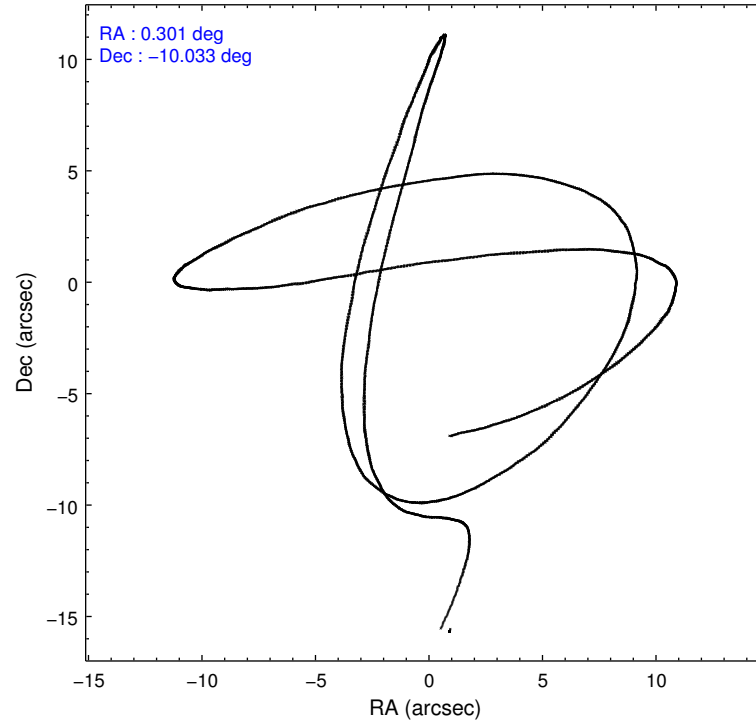
	ccd 7
level 1 events	4506
rejected events	2972
rejected %	65%

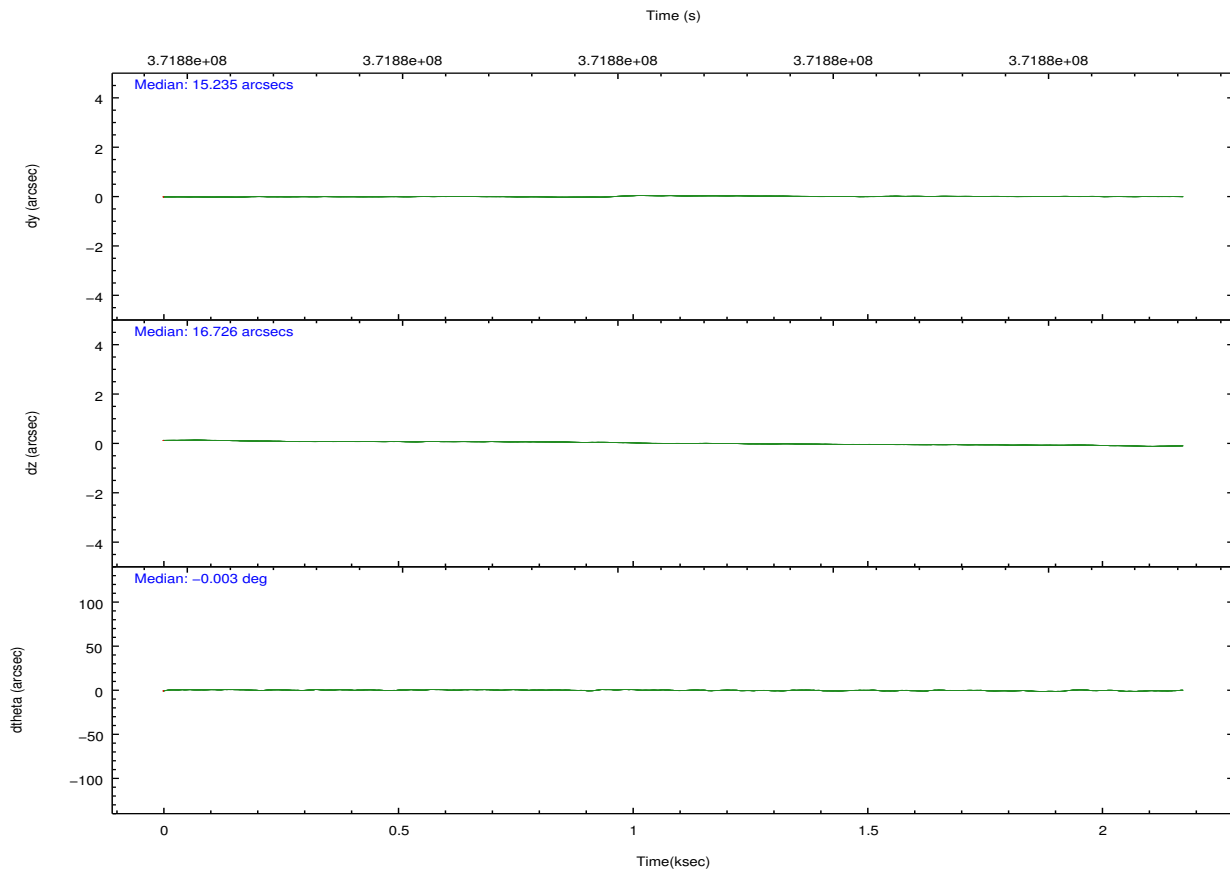
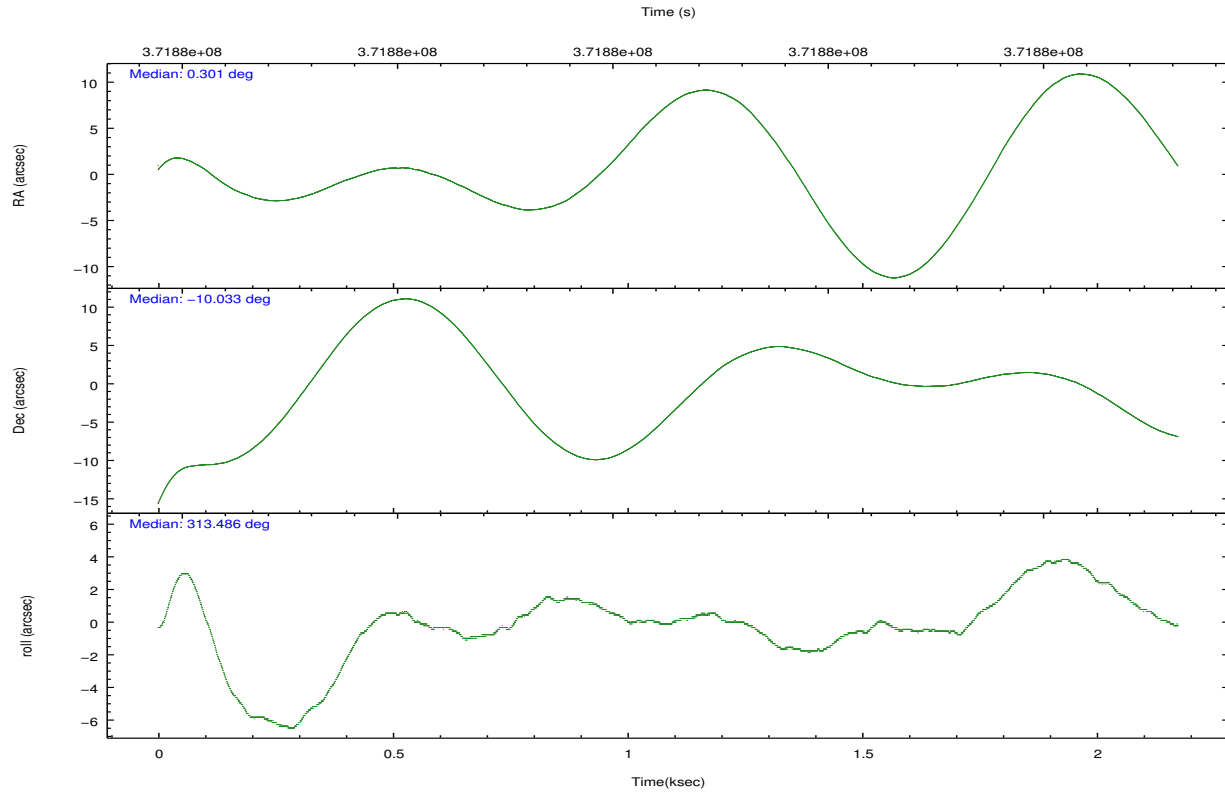
	ccd 7
grade 0 events	225
	4%
grade 1 events	12
	0%
grade 2 events	431
	9%
grade 3 events	332
	7%
grade 4 events	311
	6%
grade 5 events	470
	10%
grade 6 events	930
	20%
grade 7 events	1795
	39%

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	0.274286	0.301136020065826	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-10.025911	-10.03345458231448	Subarray start row	449	449
[deg] Pointing Roll	313.326223	313.4875215484873	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)	371879211.184000	371878005.91807			
Observation start date	2009-10-14T03:45:45	2009-10-14T03:26:45			
[s] Observation end time (MET)	371881211.184000	371881481.69325			
Observation end date	2009-10-14T04:19:05	2009-10-14T04:24:41			
Read mode	TIMED	TIMED			

2.3 Aspect



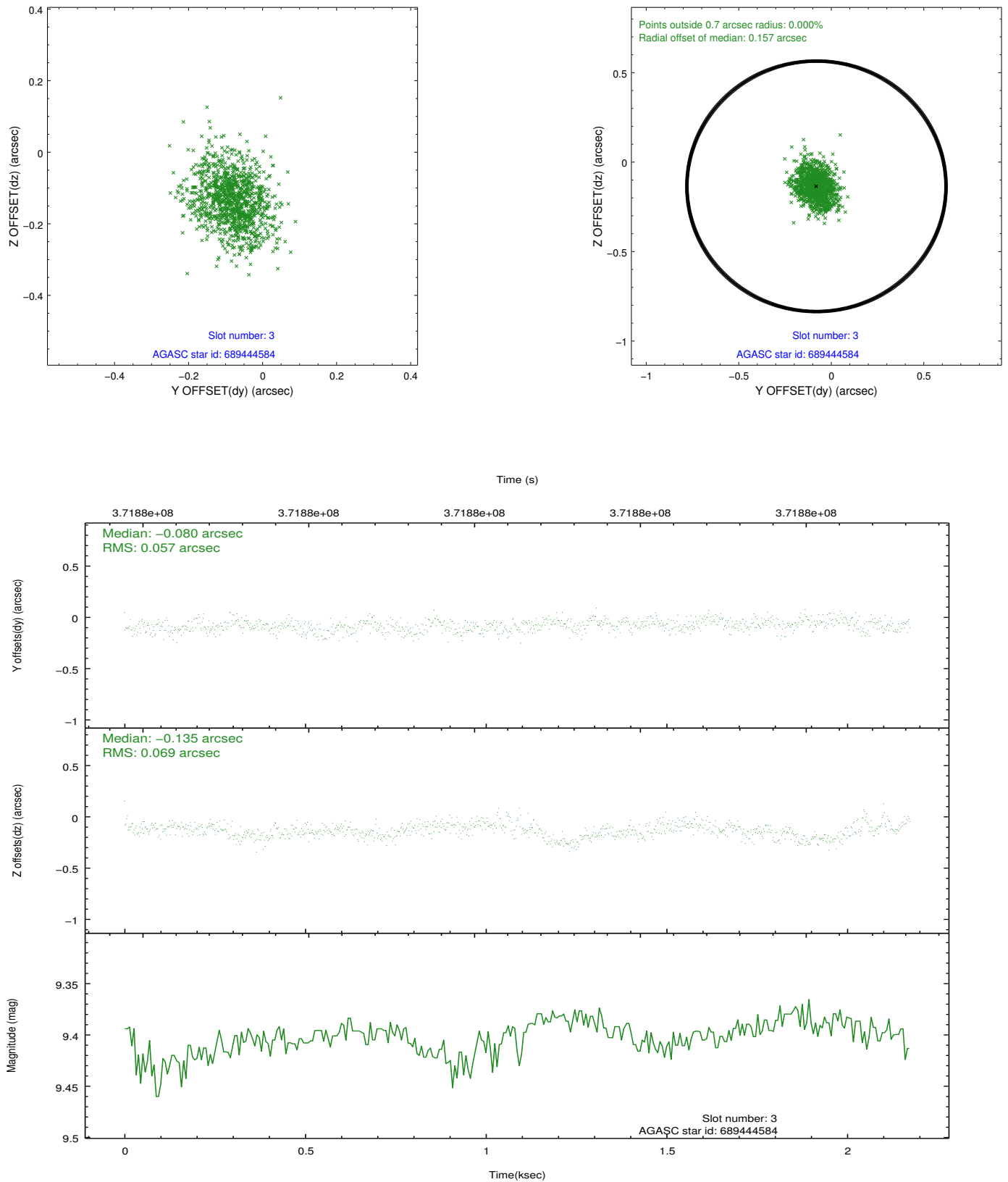


Slot Statistics

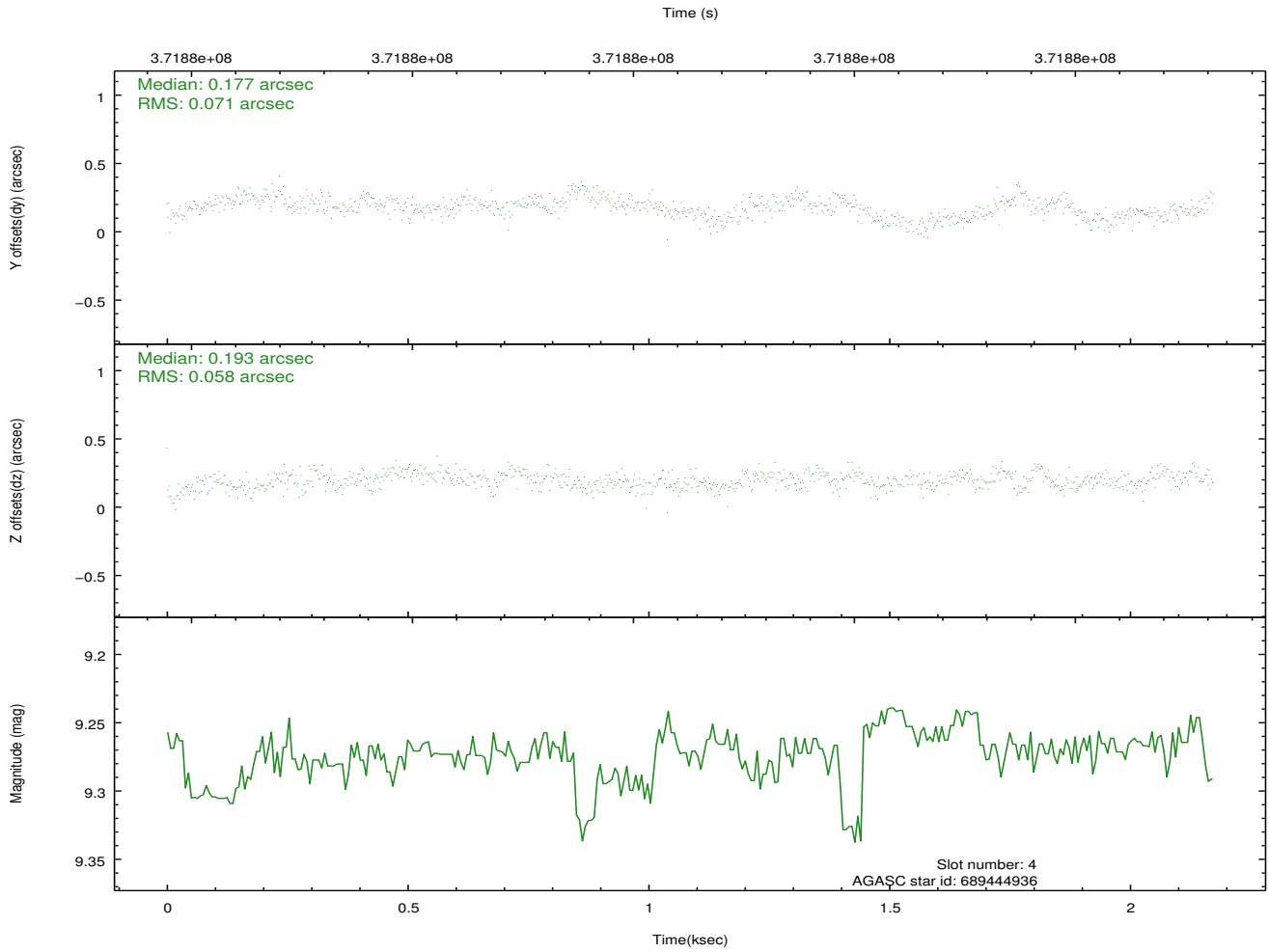
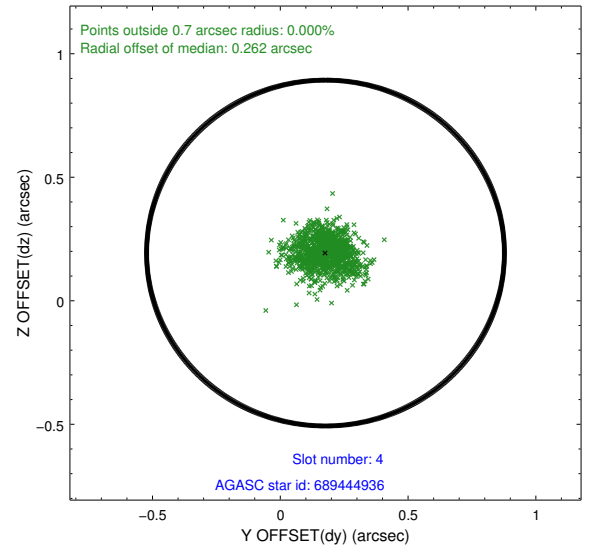
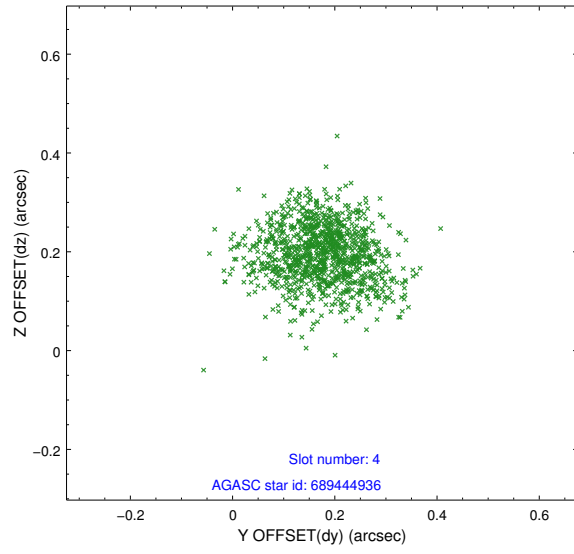
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	531	-0.075	-0.028	0.007	0.012	0.000000	0.000000	-768.31	-1738.13
1	FID	ACIS-S-4	6.96	531	0.184	0.044	0.006	0.011	0.000000	0.000000	2143.87	167.28
2	FID	ACIS-S-5	7.00	531	-0.140	-0.006	0.007	0.013	0.000000	0.000000	-1817.36	164.36
3	GUIDE	689444584	9.40	1058	-0.080	-0.135	0.093	0.150	0.198013	-9.517040	-1518.83	1060.06
4	GUIDE	689444936	9.27	1057	0.177	0.193	0.097	0.158	0.386602	-9.430027	-1288.43	1763.46
5	GUIDE	689836416	9.25	1060	0.274	-0.198	0.114	0.204	0.248019	-10.935968	2319.01	-2314.29
6	GUIDE	689837376	9.85	1057	-0.114	0.128	0.115	0.187	1.051747	-10.141102	2196.76	1717.38
7	GUIDE	689837744	8.29	1060	-0.250	0.022	0.076	0.121	0.099177	-10.462385	719.46	-1527.32

2.4 Star Slots

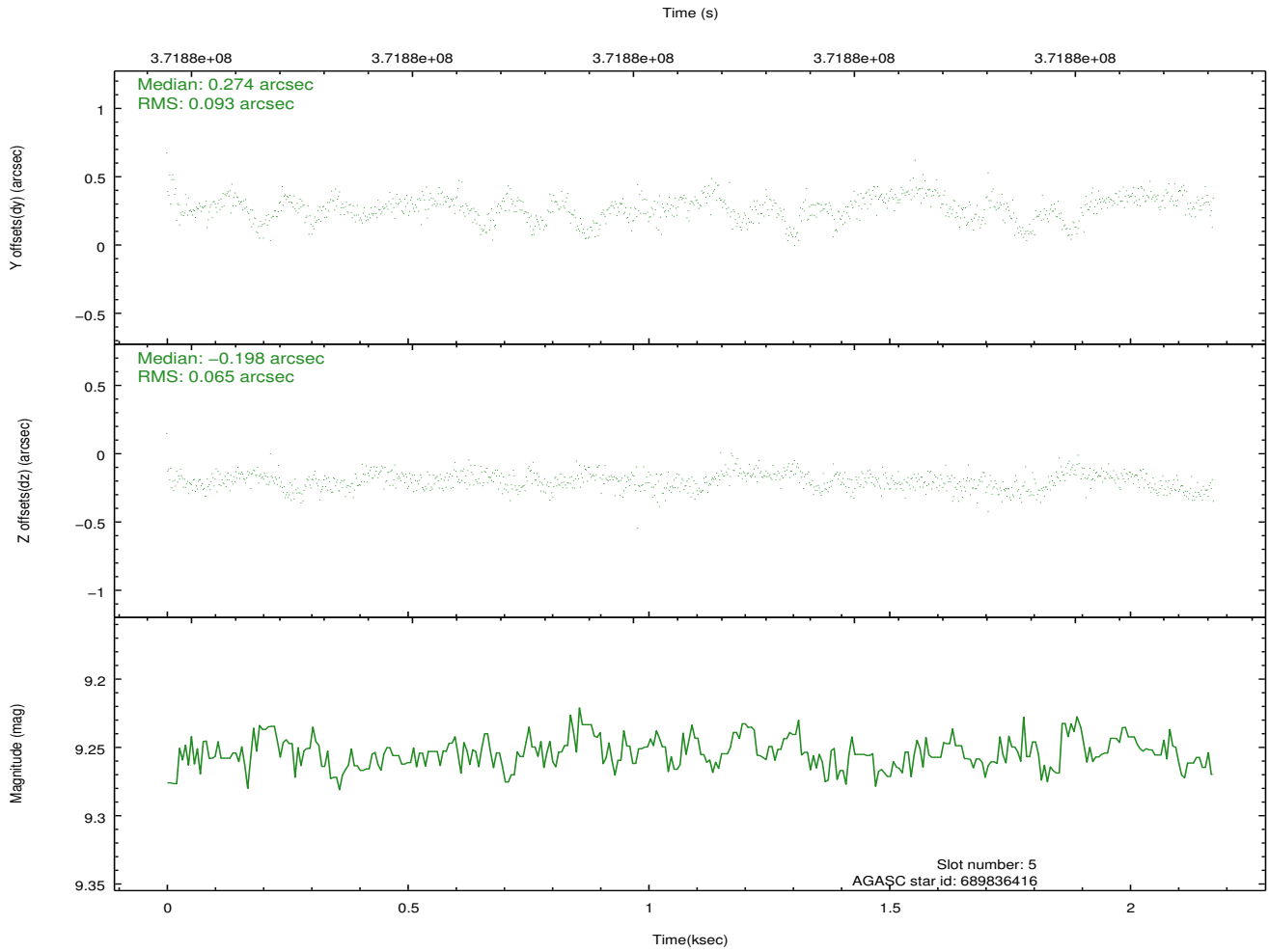
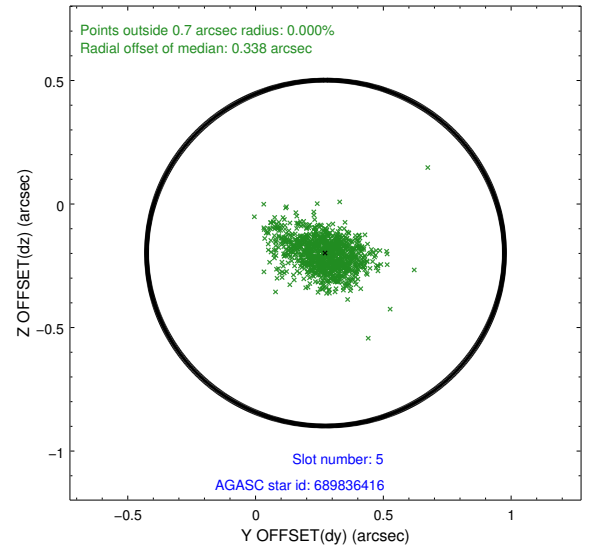
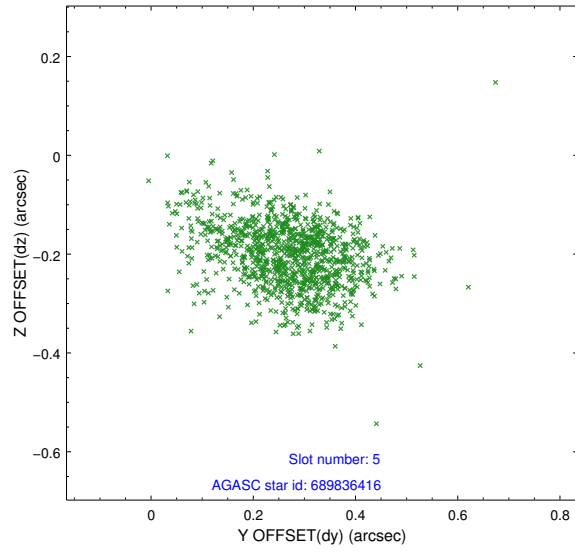
2.4.1 Slot 3



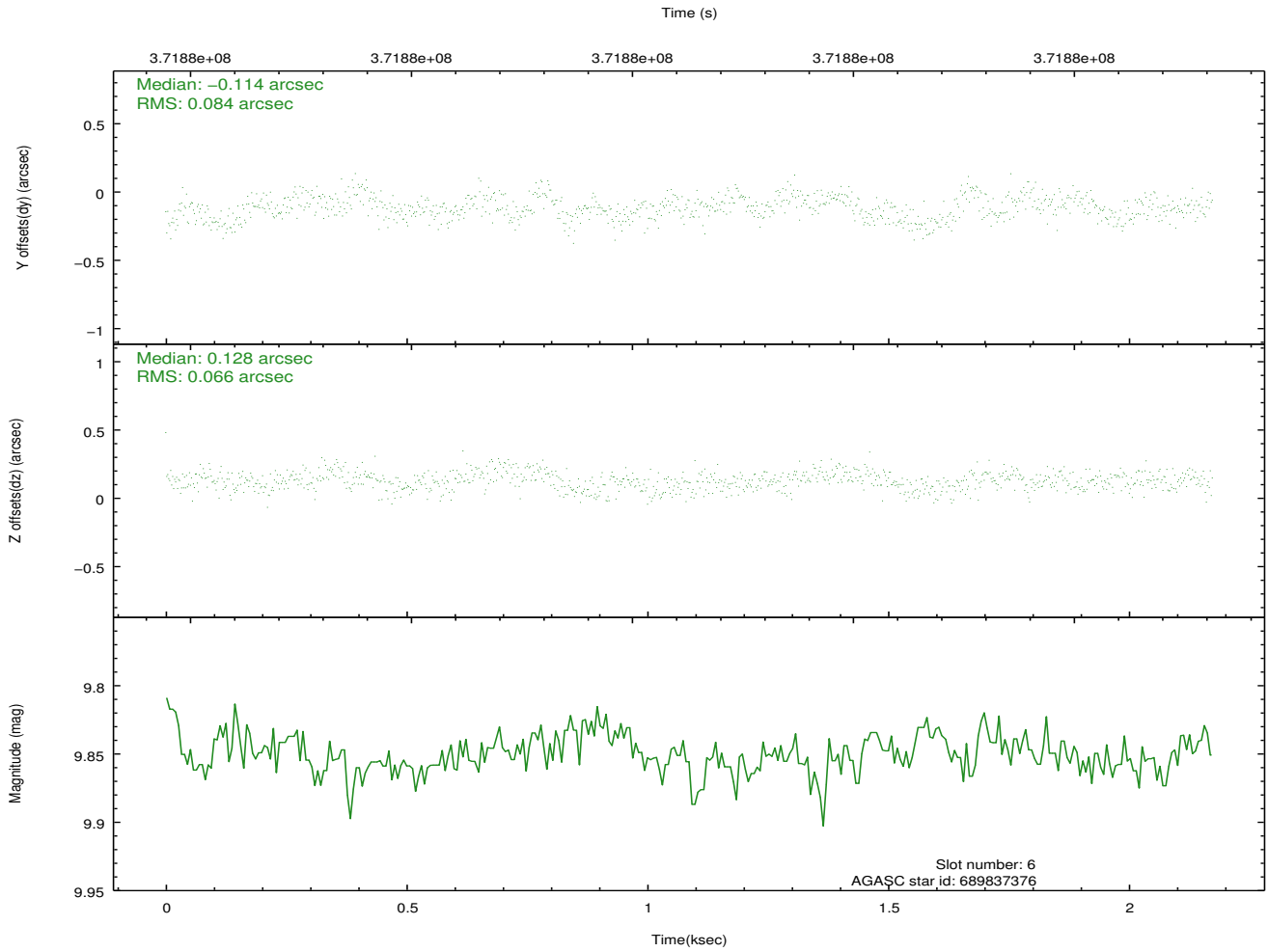
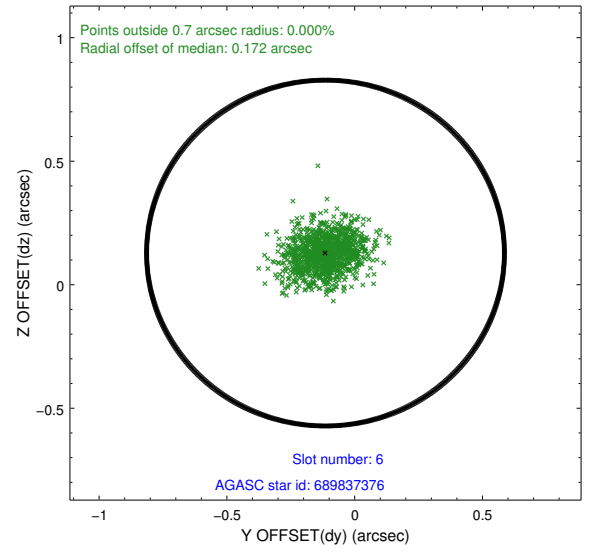
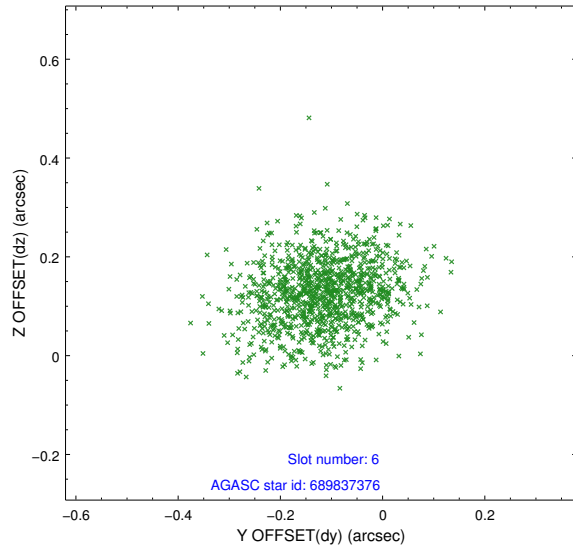
2.4.2 Slot 4



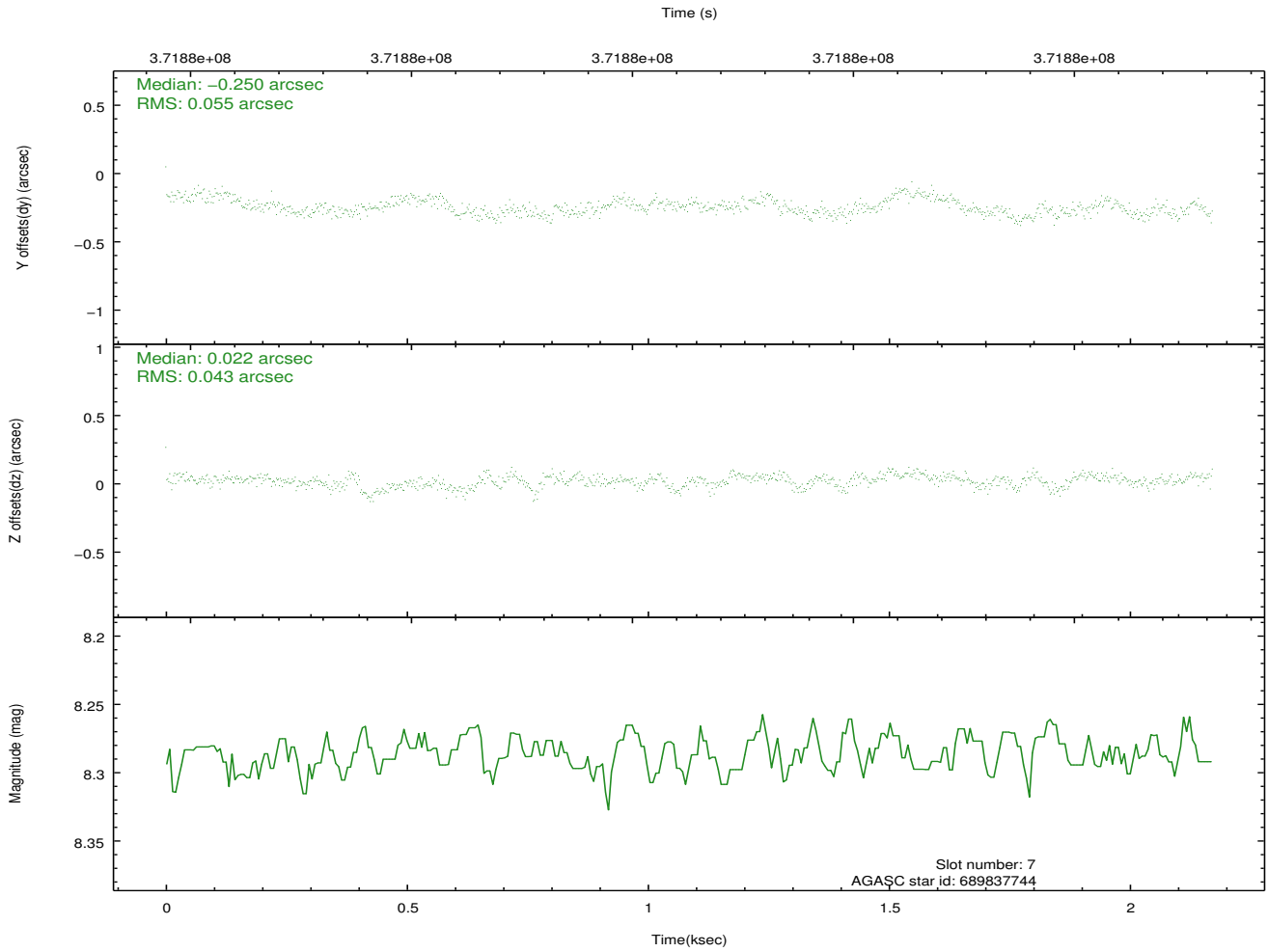
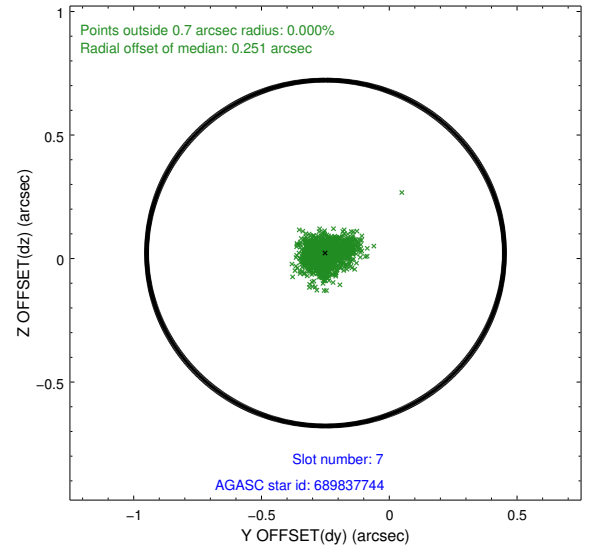
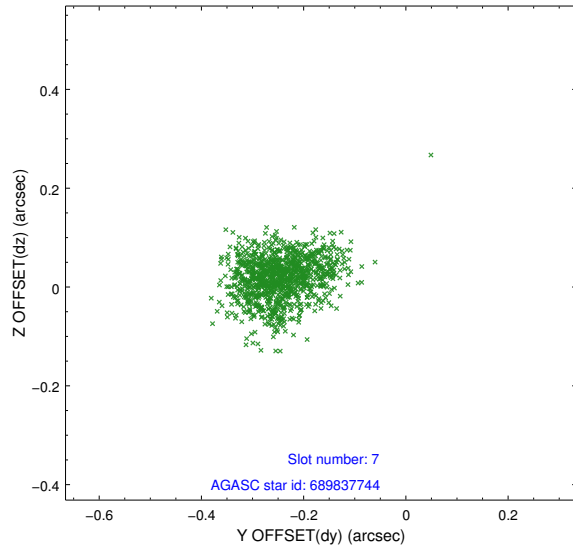
2.4.3 Slot 5



2.4.4 Slot 6

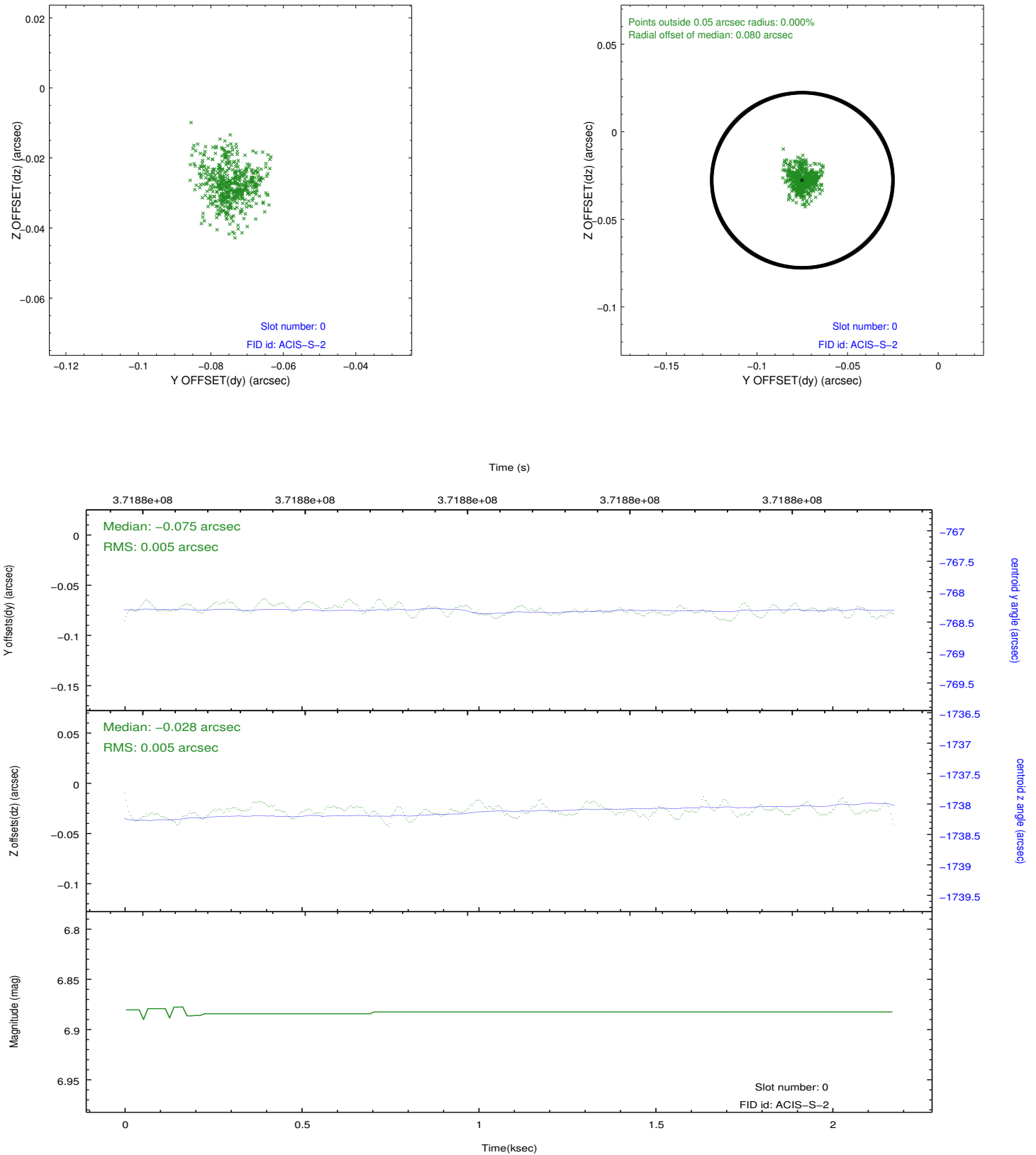


2.4.5 Slot 7

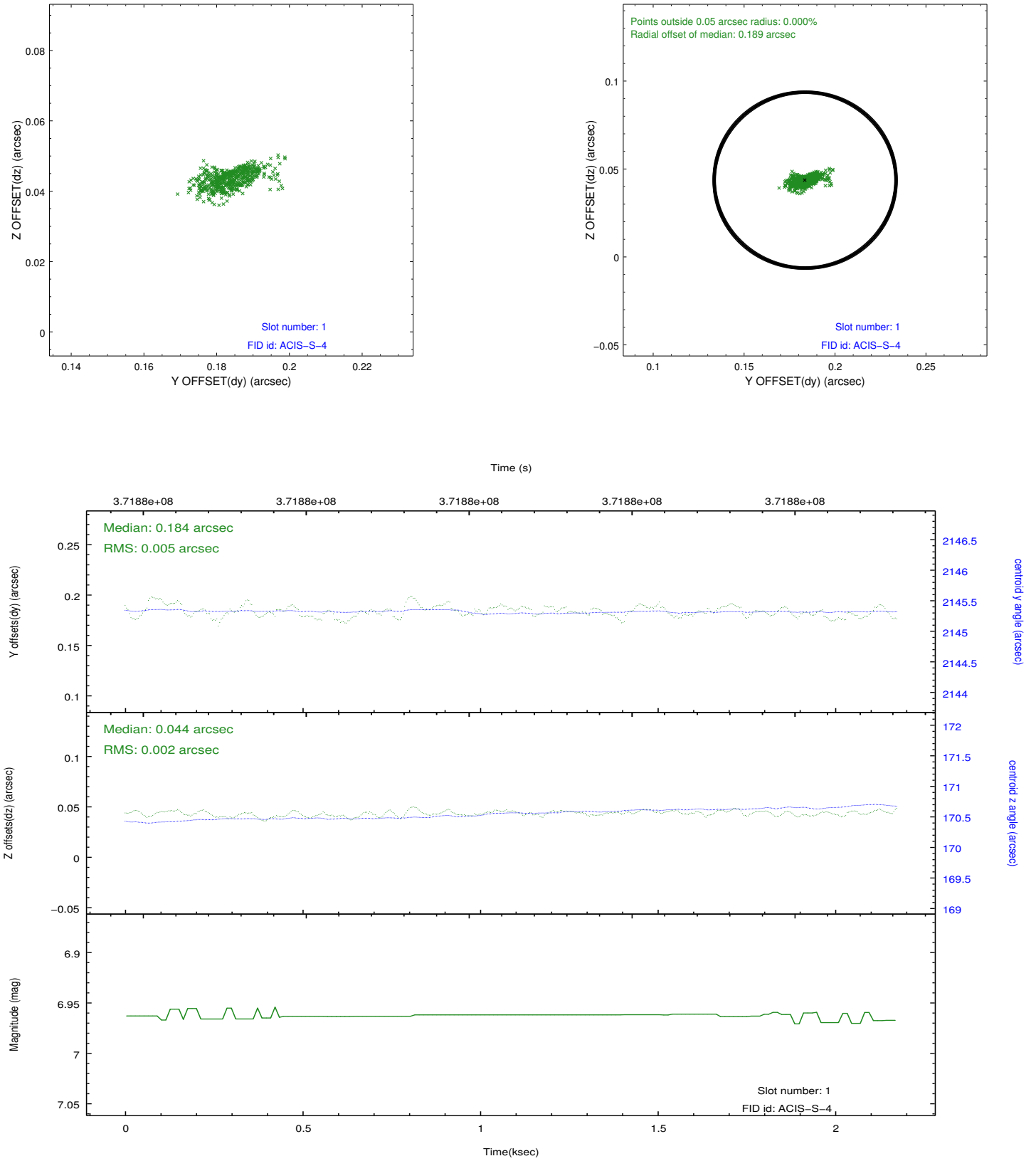


2.5 FID Slots

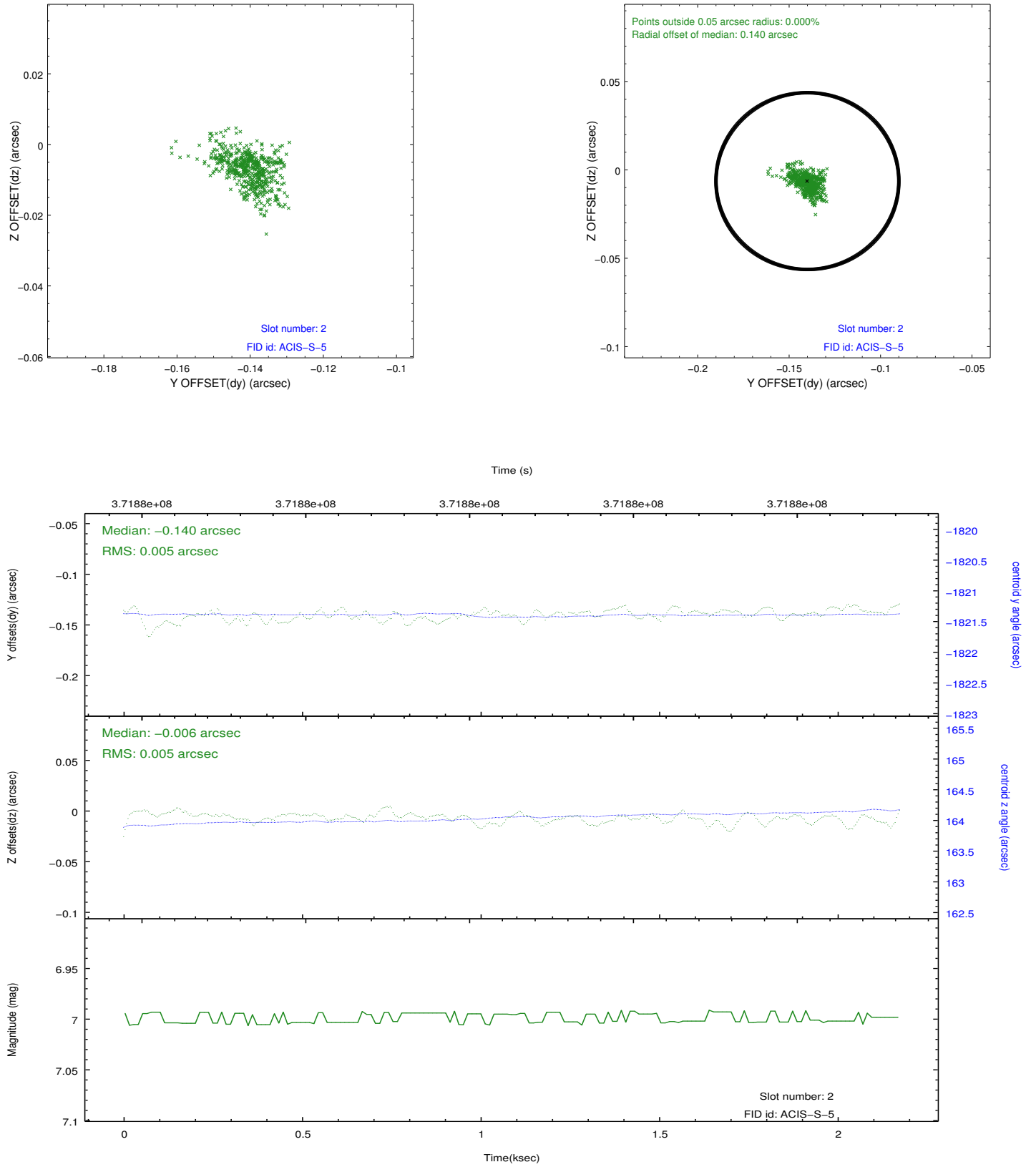
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1719998705387

A.2 Comments