

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11487 - L2 Version 2
Chandra X-Ray Center

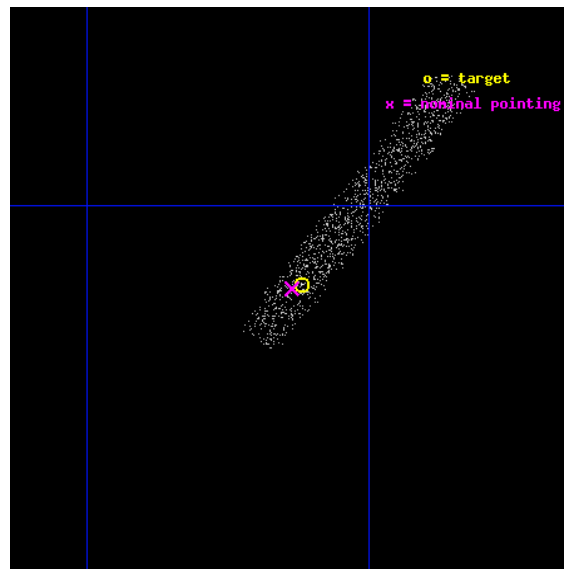
L2 Processing Date : Jun 15 2012

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

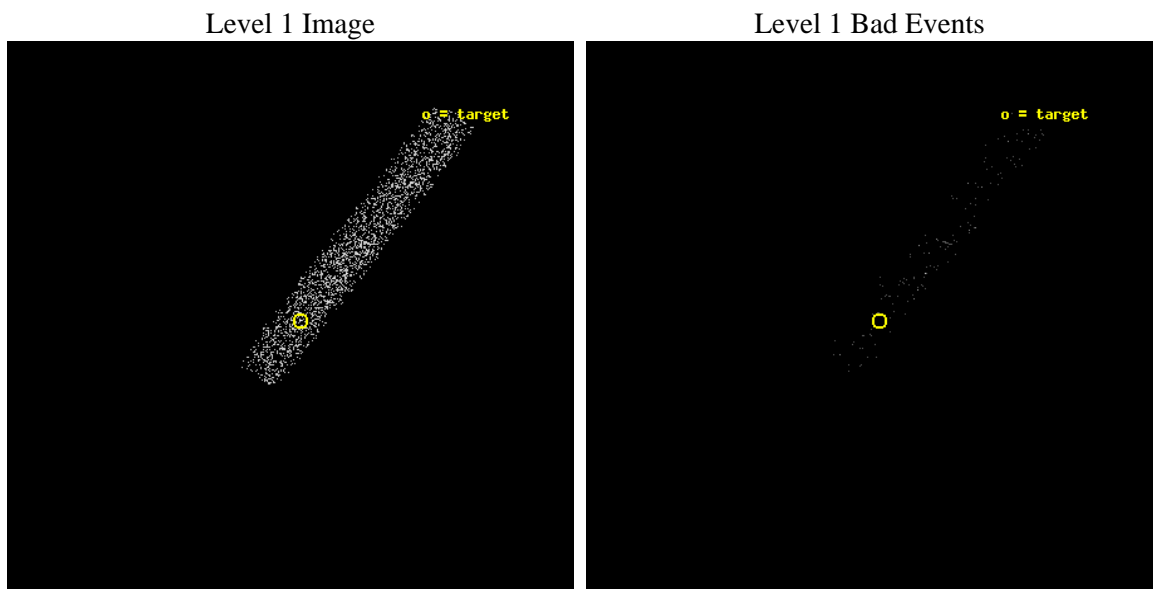
seq_num	702073	Sequence number
obs_id	11487	Observation id
title	X-ray Signatures of Accretion in AGNs with Intermediate-mass Black Holes	Proposal title
observer	Dr. Luis Ho	Principal investigator
object	SDSS J234807.14-091202.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	357.029583	Observer's specified target RA [deg]
dec_targ	-9.200722	Observer's specified target Dec [deg]
ra_nom	357.03427559717	Nominal RA [deg]
dec_nom	-9.2026662794966	Nominal Dec [deg]
roll_nom	307.60285206113	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2033.9170694351	Sum of GTIs [s]
livetime	1844.655423032	Livetime [s]
ontime7	2033.9170694351	Sum of GTIs [s]
l2events	1360	Number of level 2 events



2 OBI

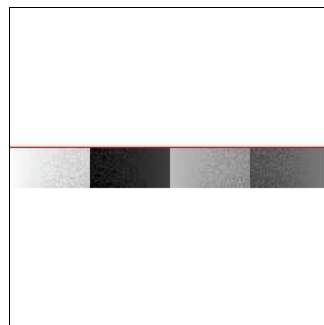
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2033.9170694351	Sum of GTIs [s]
caldsver	4.4.10	 	ontime7	2033.9170694351	Sum of GTIs [s]
date	2012-06-15T12:16:01	Date and time of file creation	l1events	2823	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

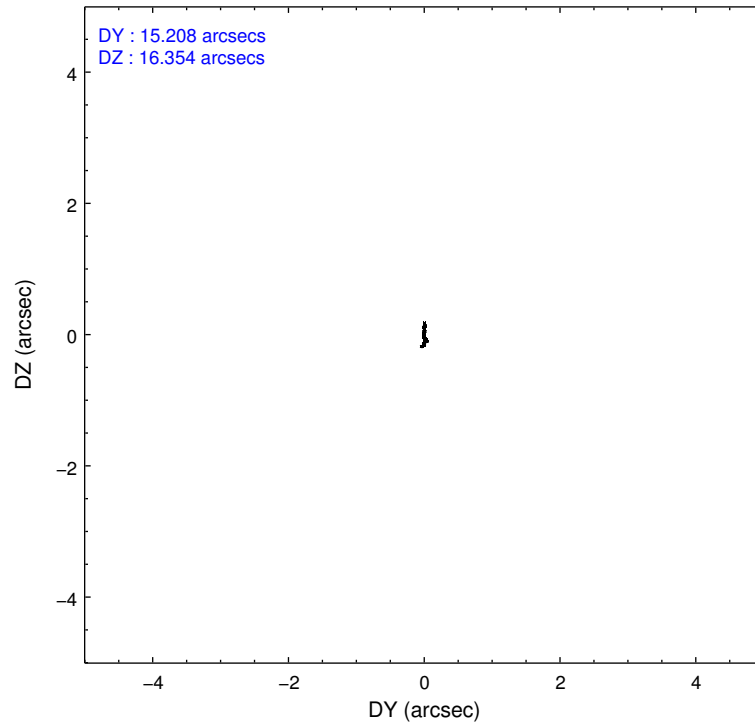
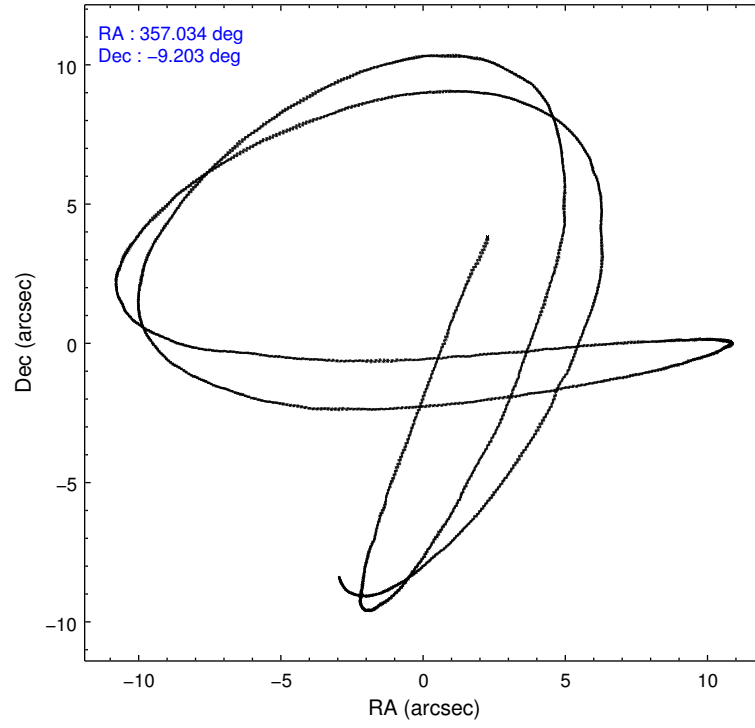
	ccd 7
level 1 events	2823
rejected events	1393
rejected %	49%

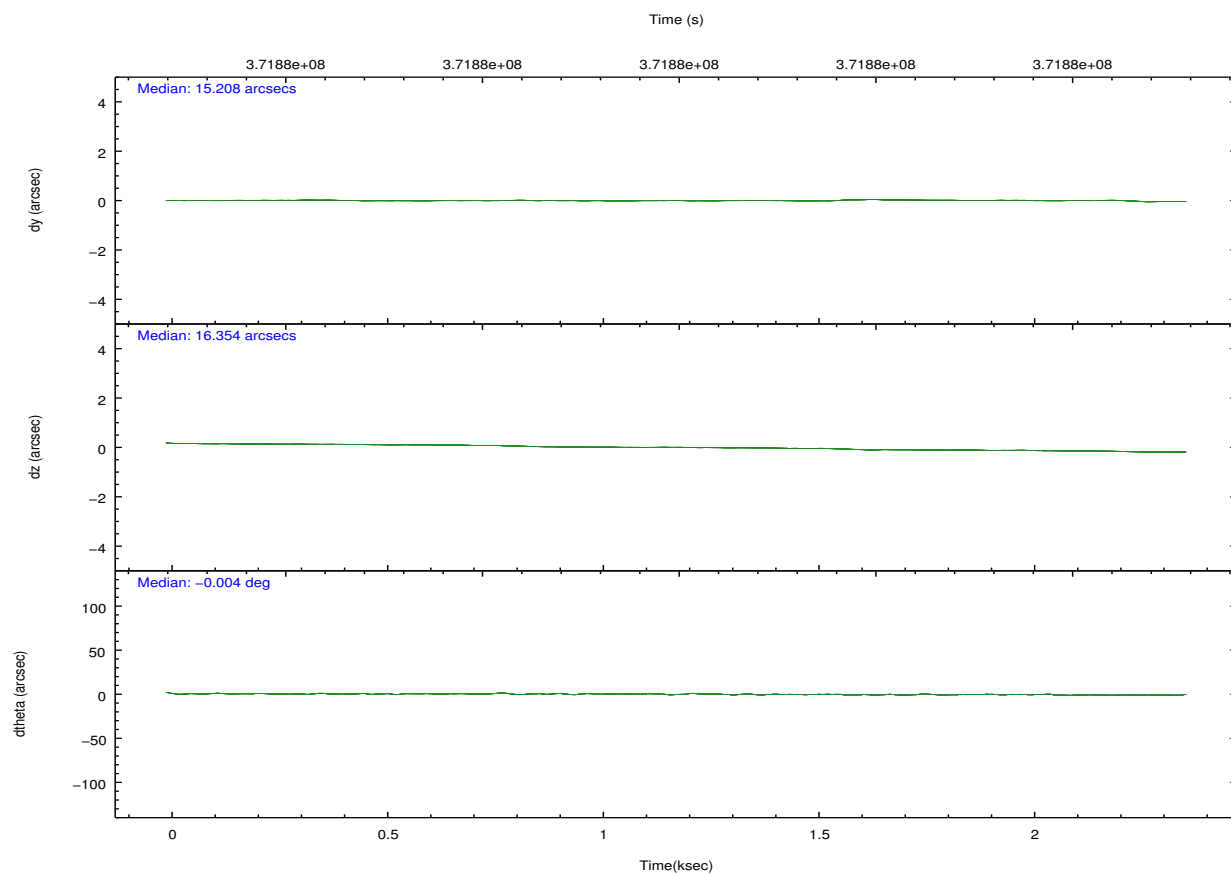
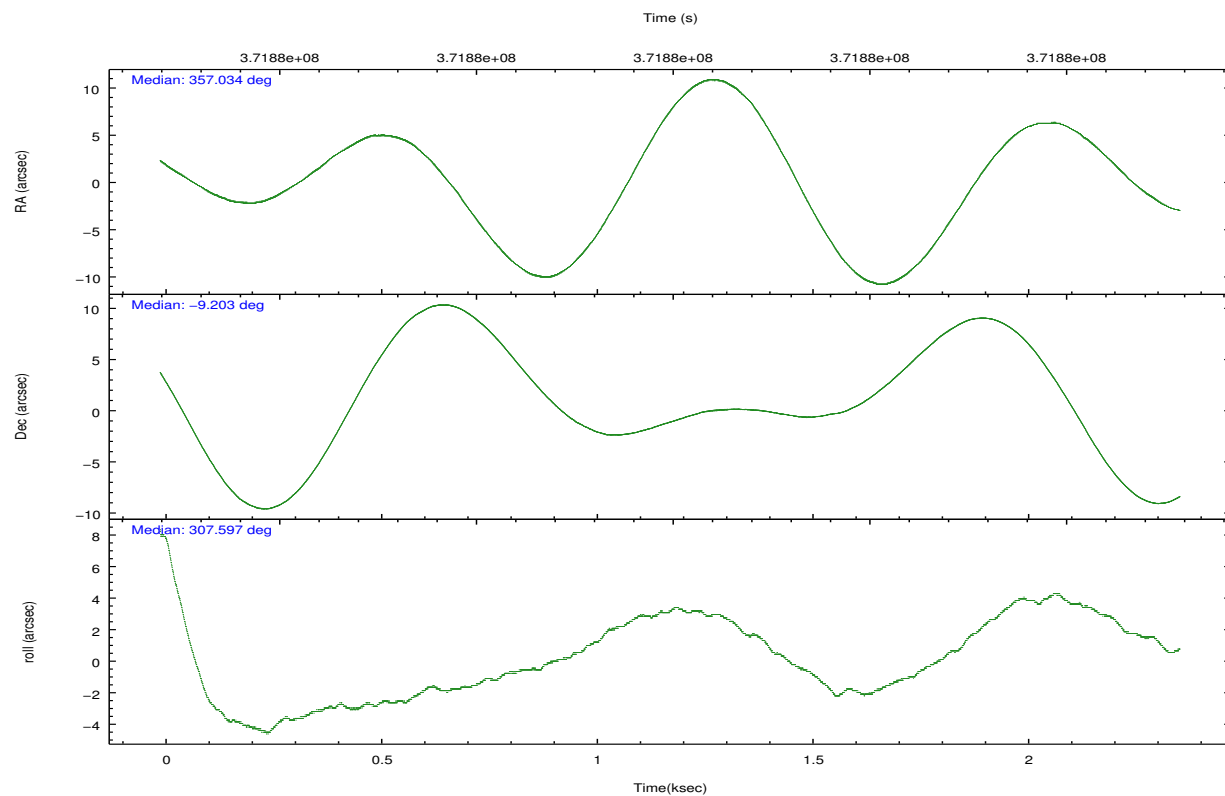
	ccd 7
grade 0 events	151
	5%
grade 1 events	7
	0%
grade 2 events	298
	10%
grade 3 events	210
	7%
grade 4 events	197
	6%
grade 5 events	278
	9%
grade 6 events	574
	20%
grade 7 events	1108
	39%

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	357.008427	357.0342755971689	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-9.192368	-9.202666279496558	Subarray start row	449	449
[deg] Pointing Roll	307.442077	307.6028520611281	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)	371881994.184000	371881481.69325			
Observation start date	2009-10-14T04:32:08	2009-10-14T04:24:41			
[s] Observation end time (MET)	371884174.184000	371885410.00594			
Observation end date	2009-10-14T05:08:28	2009-10-14T05:30:10			
Read mode	TIMED	TIMED			

2.3 Aspect



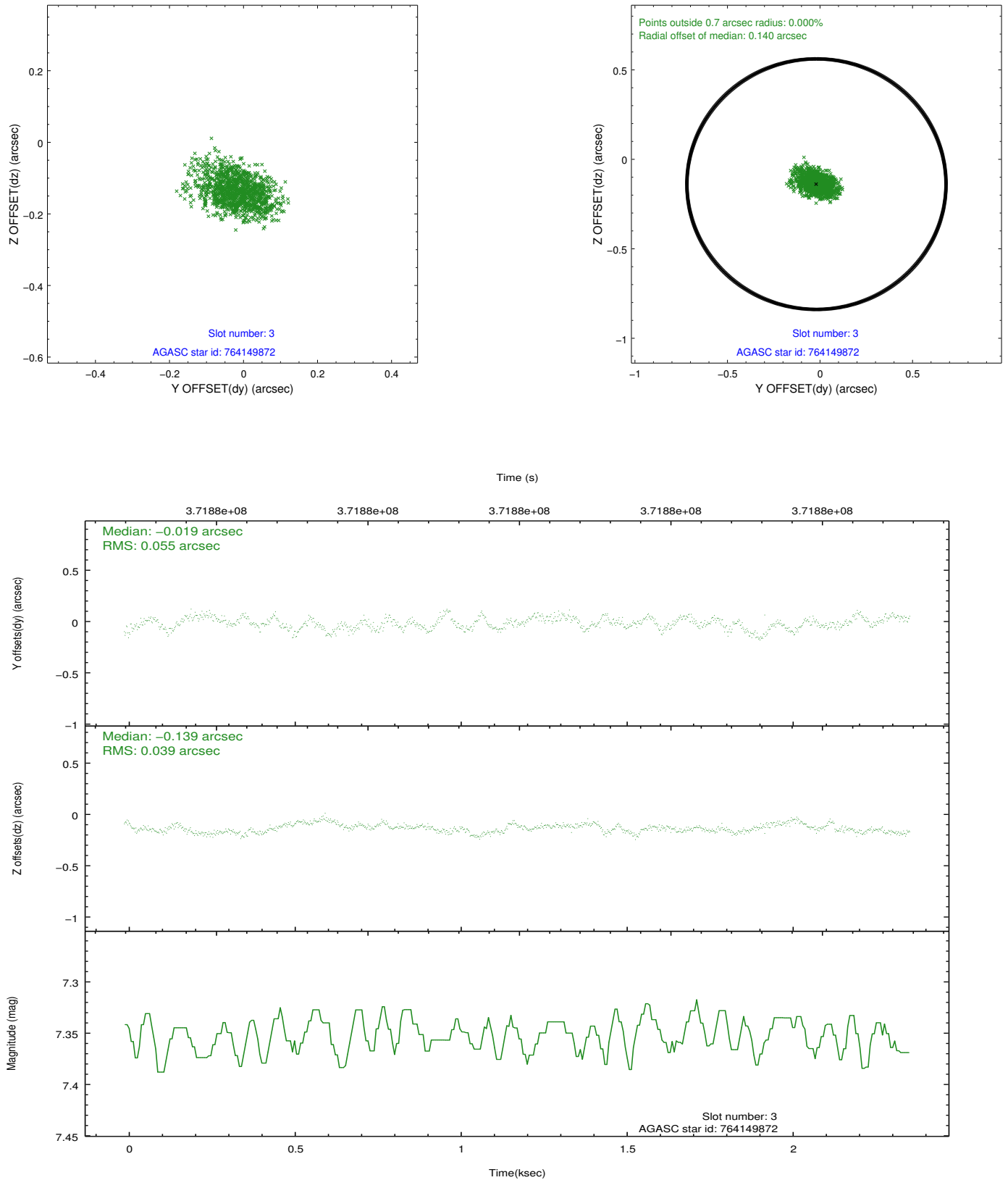


Slot Statistics

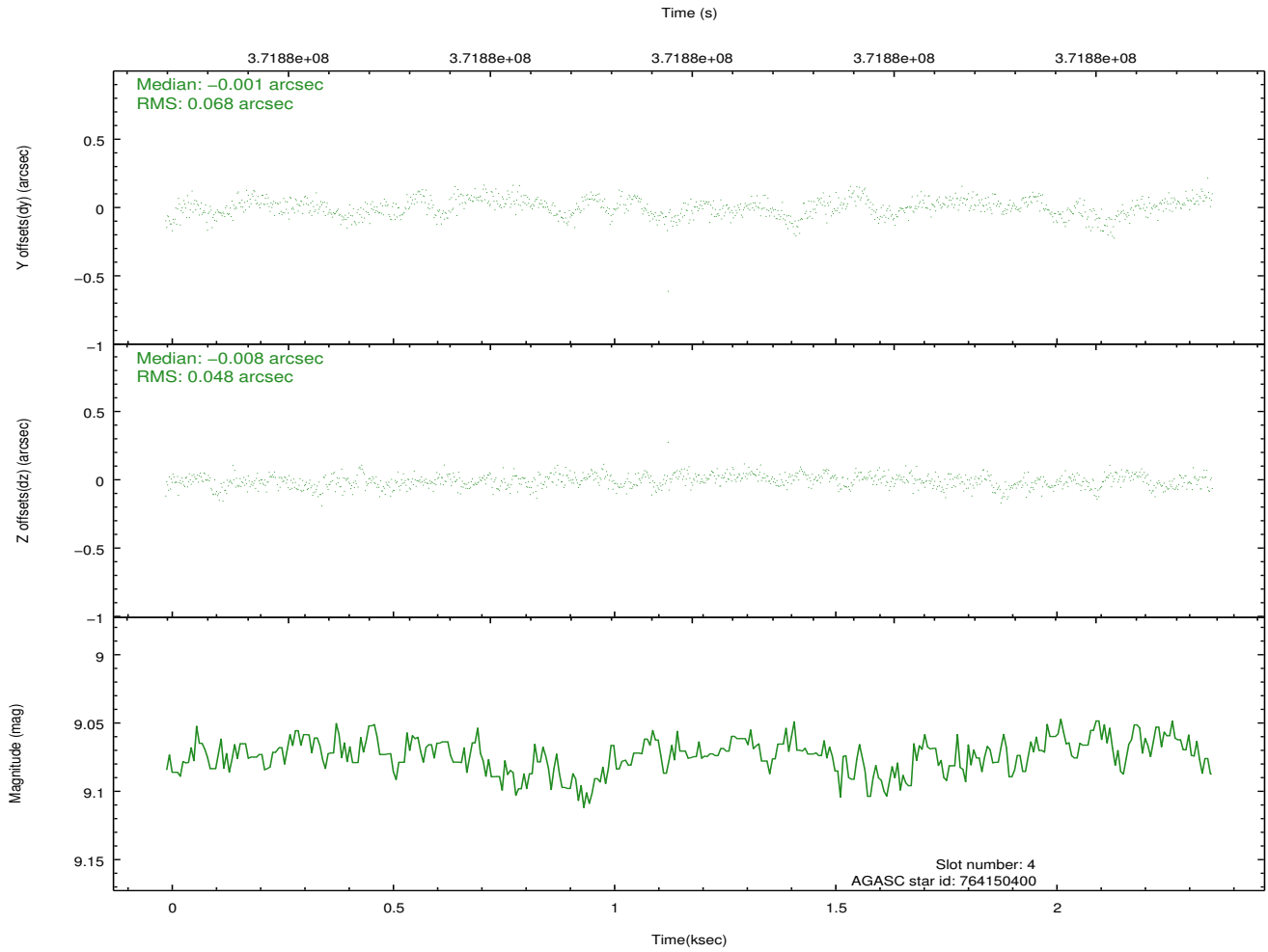
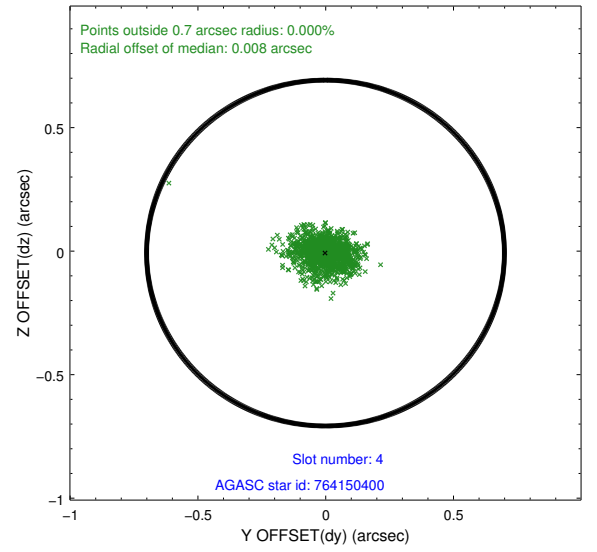
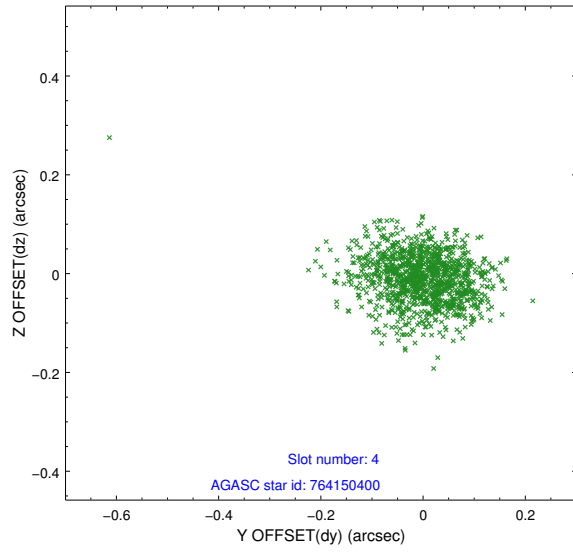
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	577	-0.083	-0.020	0.007	0.012	0.000000	0.000000	-768.27	-1737.73
1	FID	ACIS-S-4	6.97	577	0.188	0.045	0.006	0.011	0.000000	0.000000	2144.02	167.96
2	FID	ACIS-S-5	7.00	577	-0.137	-0.017	0.008	0.016	0.000000	0.000000	-1817.65	164.70
3	GUIDE	764149872	7.35	1155	-0.019	-0.139	0.071	0.124	356.642137	-8.996897	-1348.83	-605.42
4	GUIDE	764150400	9.07	1153	-0.001	-0.008	0.086	0.140	356.831345	-9.808957	1379.39	-1849.50
5	GUIDE	764151240	8.67	1155	0.059	0.032	0.099	0.156	356.912075	-9.930402	1902.80	-1887.10
6	GUIDE	764156096	9.40	1155	0.162	-0.029	0.101	0.166	357.373841	-9.562540	1848.56	218.36
7	GUIDE	764157432	7.22	1154	-0.206	0.143	0.081	0.129	356.711700	-8.896926	-1484.25	-190.77

2.4 Star Slots

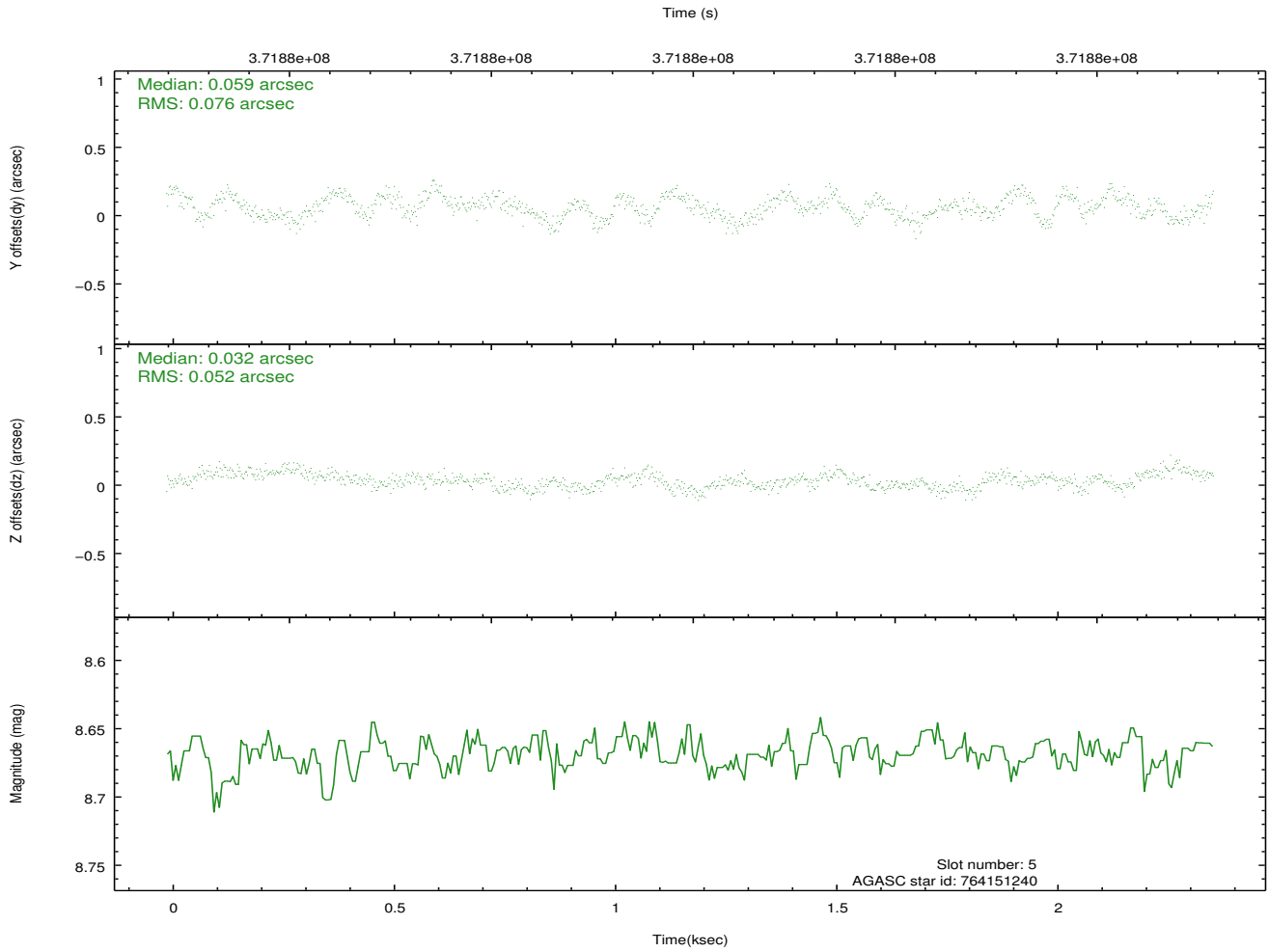
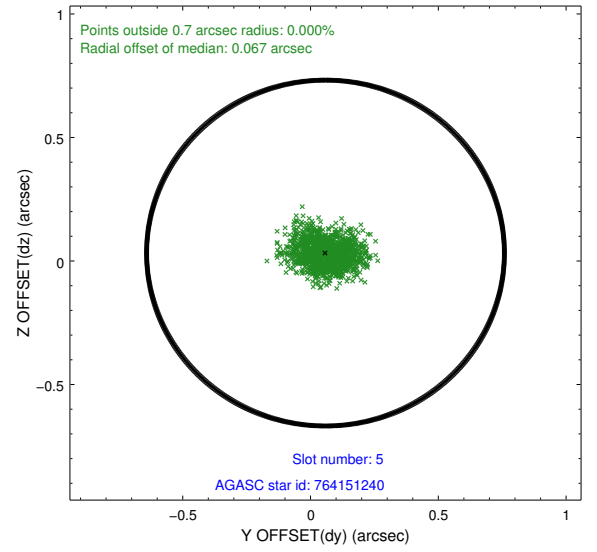
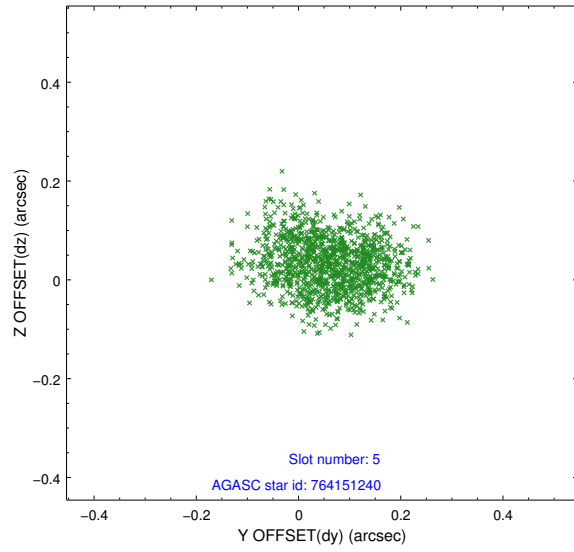
2.4.1 Slot 3



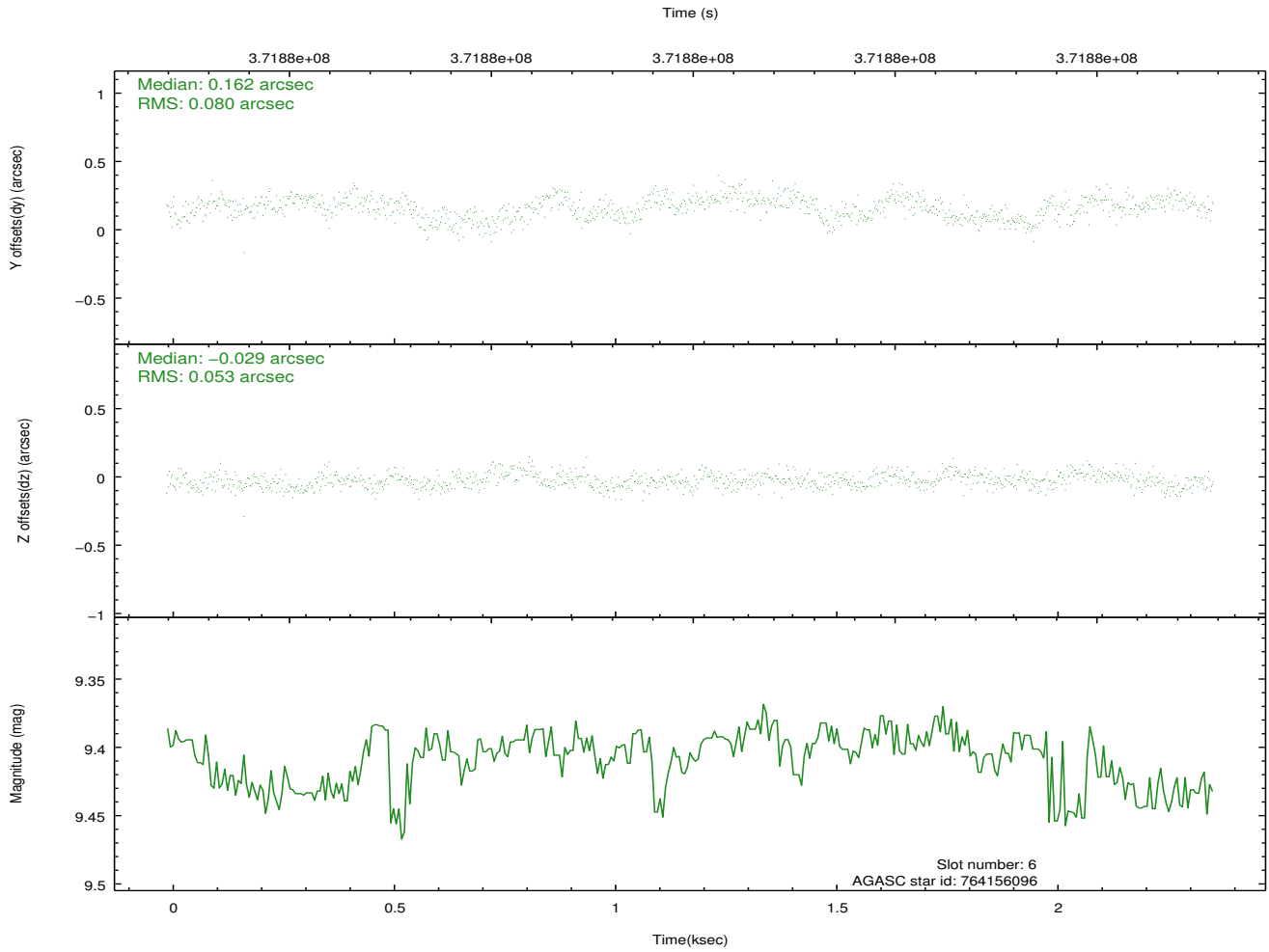
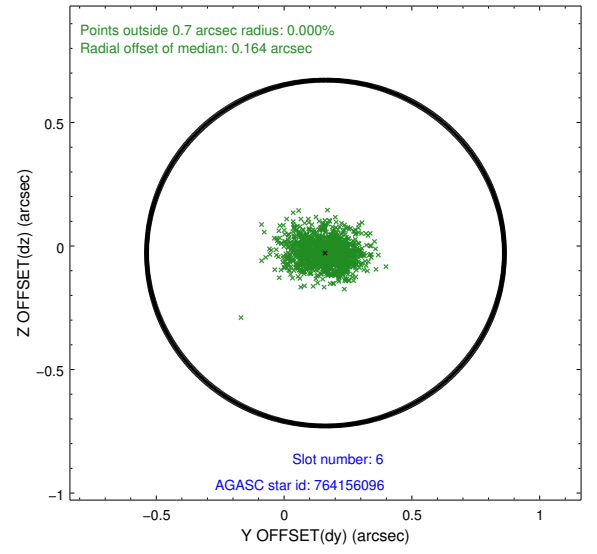
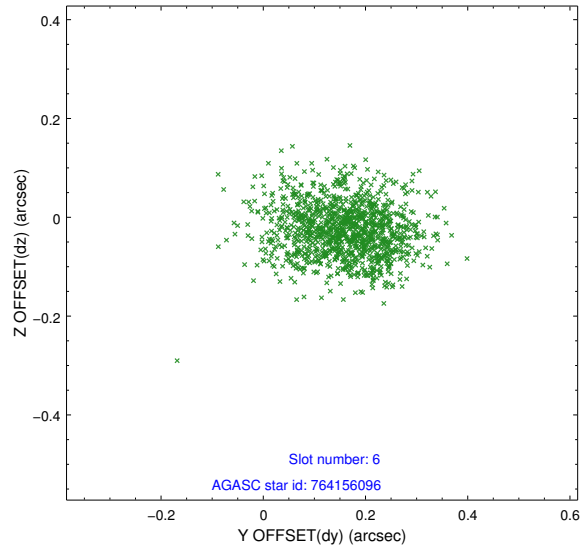
2.4.2 Slot 4



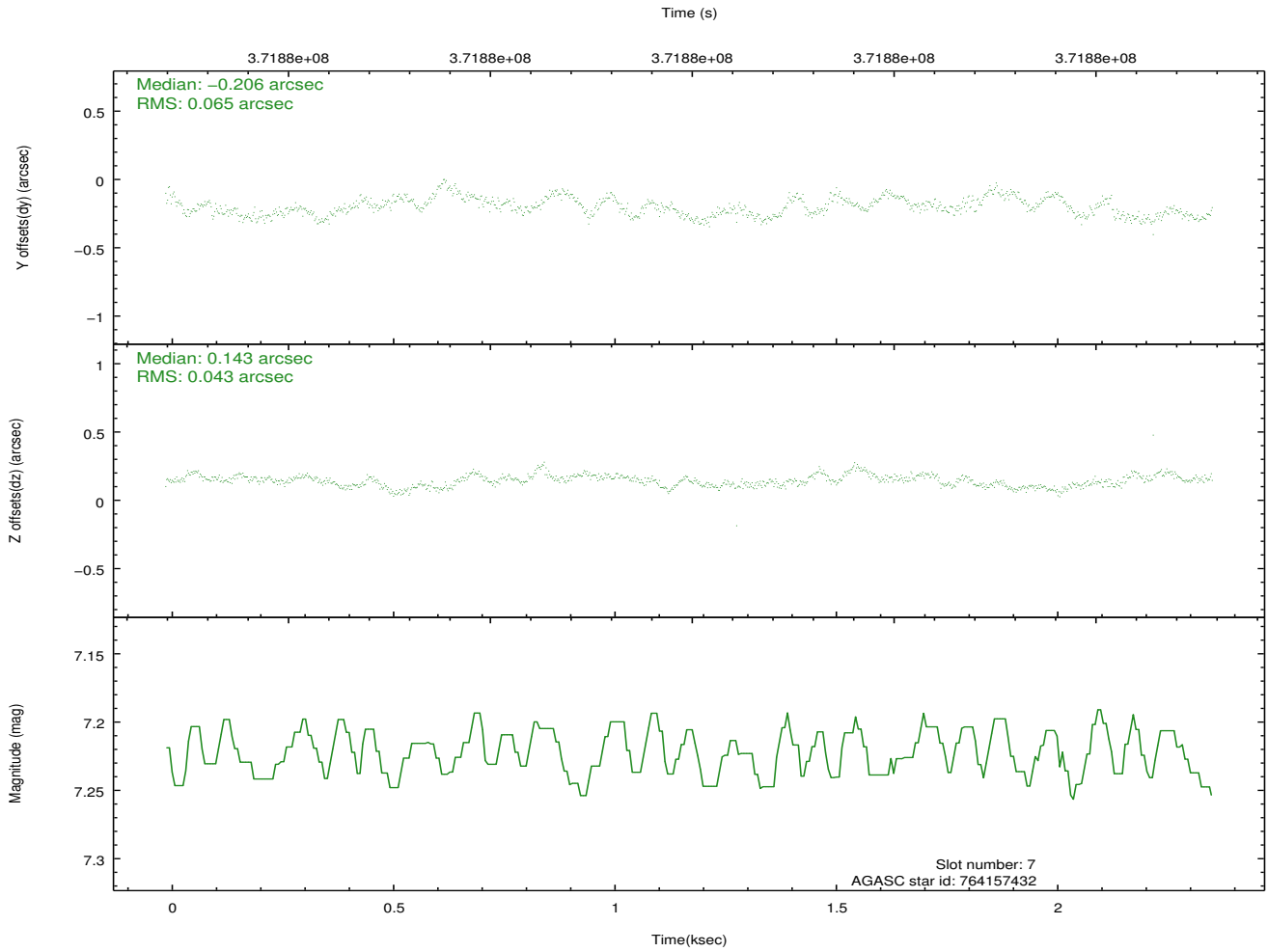
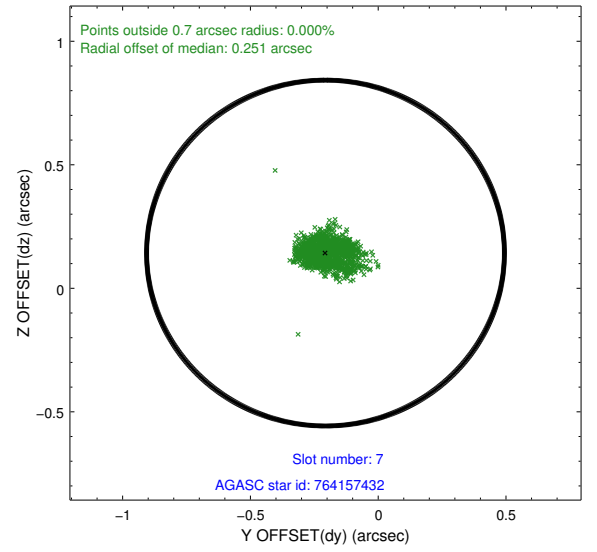
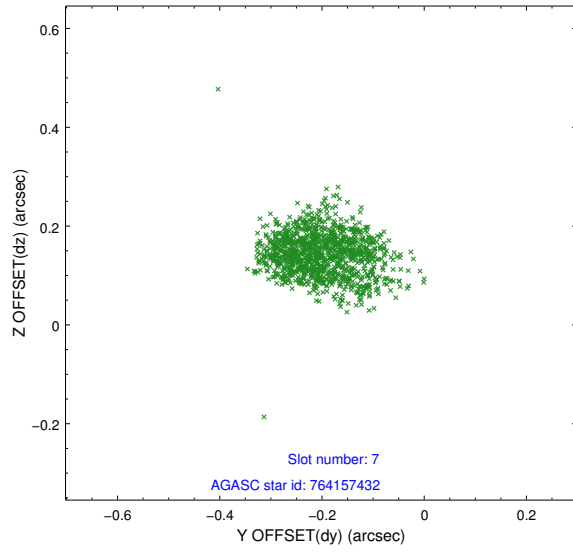
2.4.3 Slot 5



2.4.4 Slot 6

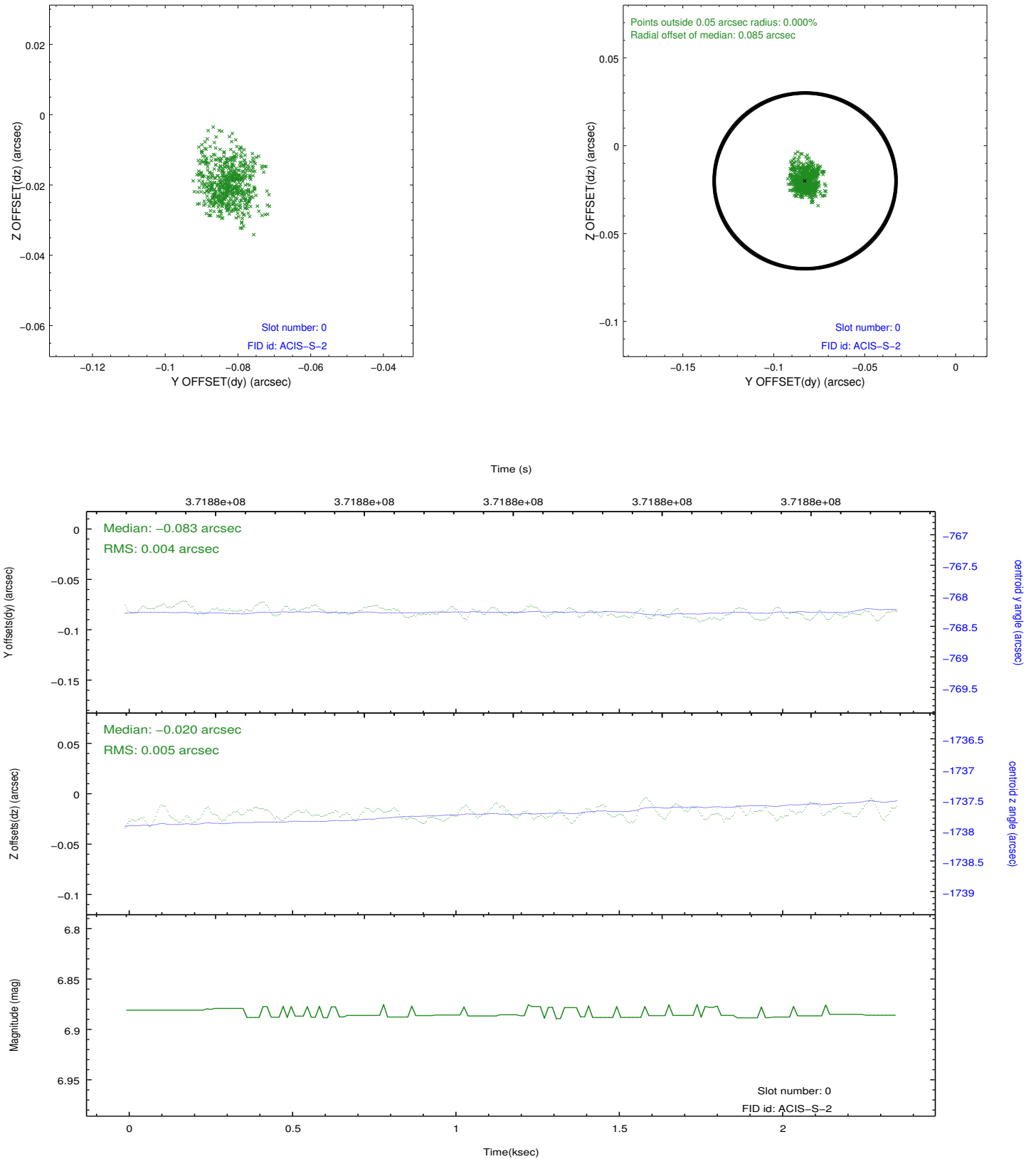


2.4.5 Slot 7

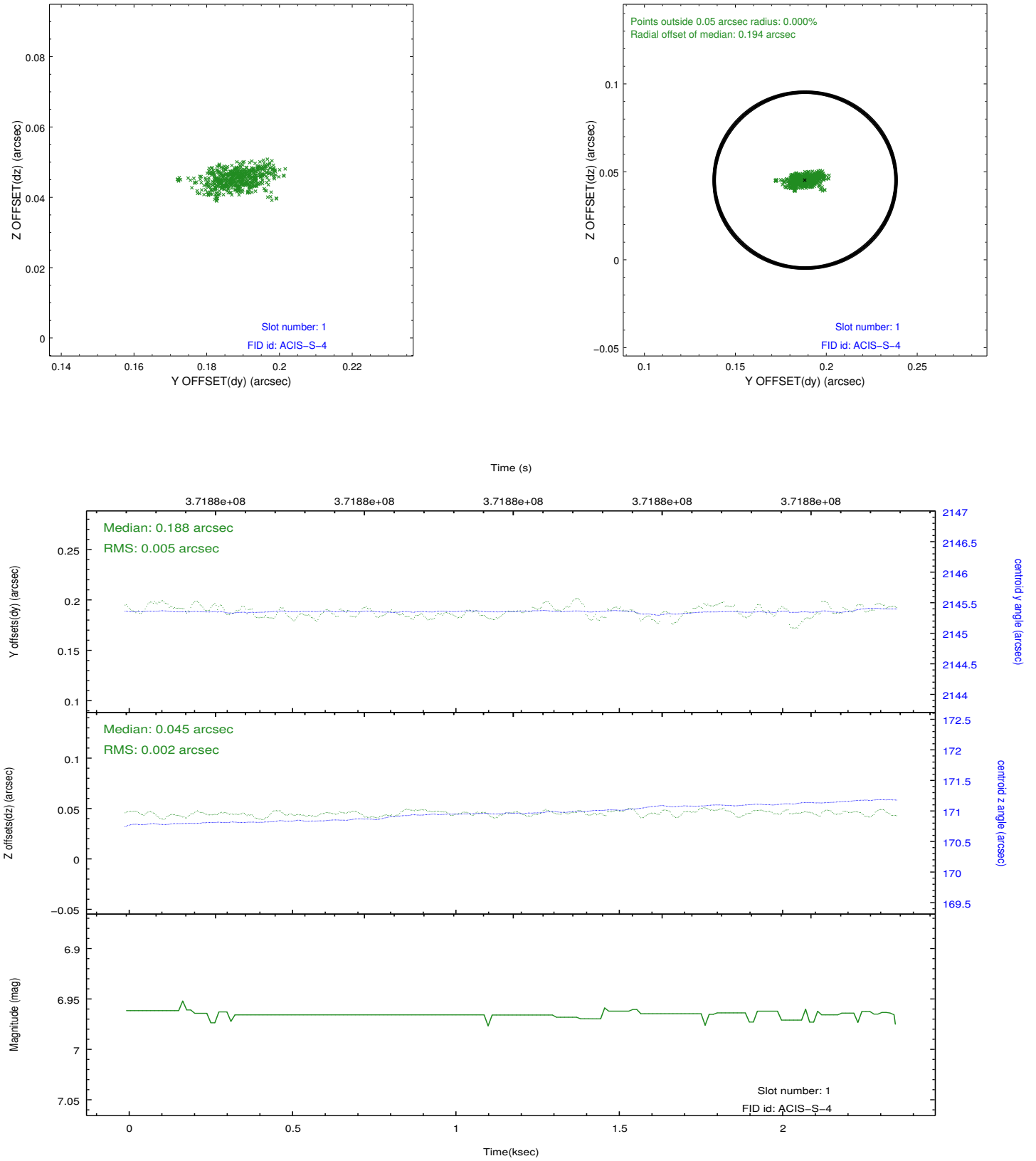


2.5 FID Slots

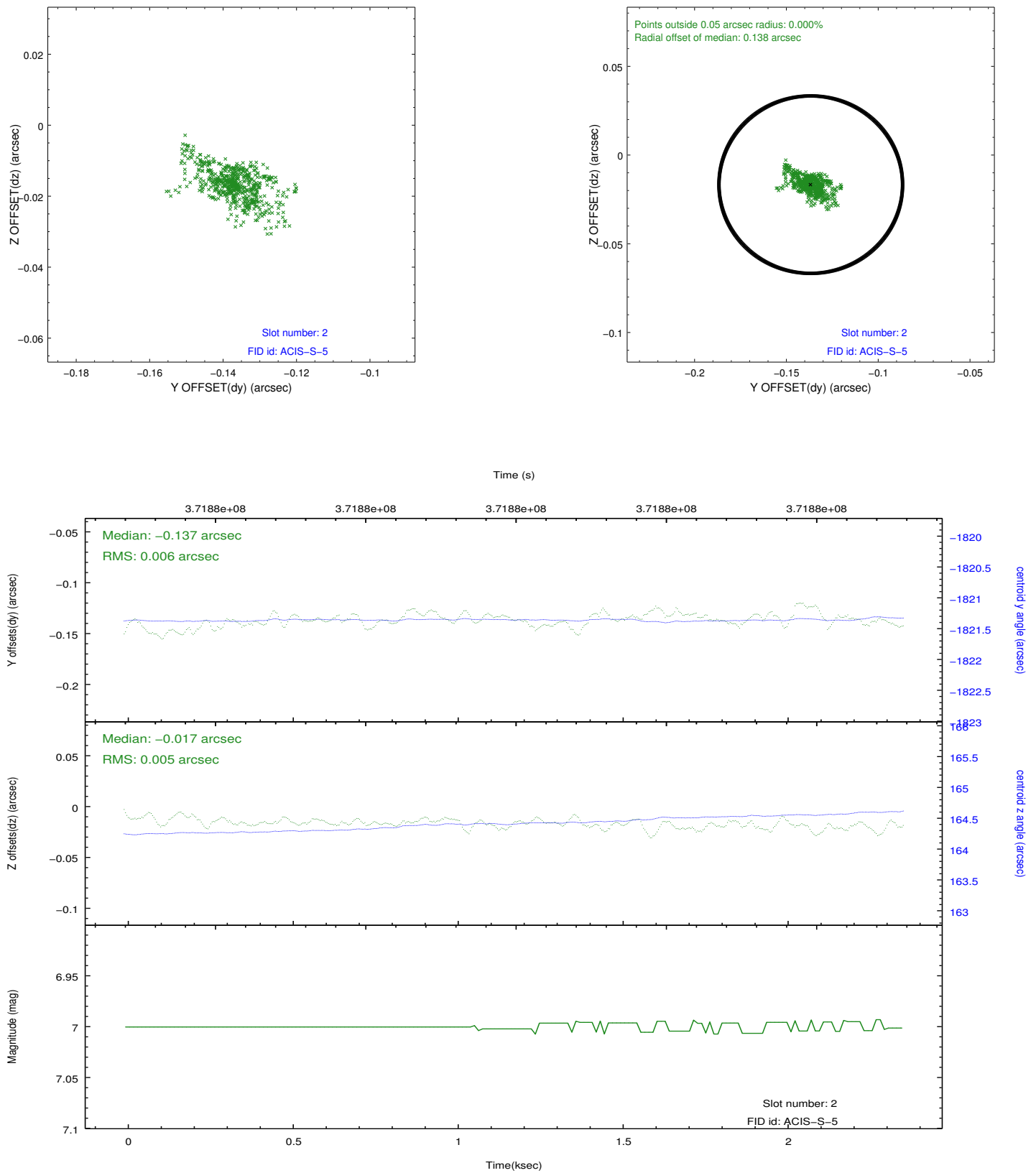
2.5.1 Slot 0



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	2.0339170647264

A.2 Comments