

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10379 - L2 Version 3
Chandra X-Ray Center

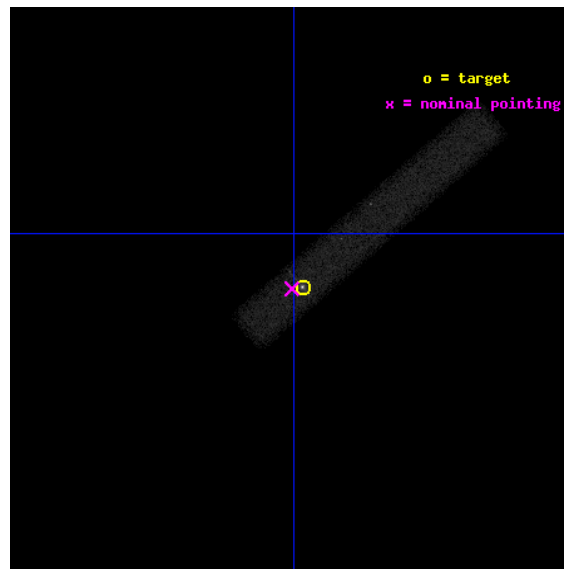
L2 Processing Date : Jun 15 2012

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 2	15
A	Summary	16
A.1	Status	16
A.2	Comments	16

1 Front

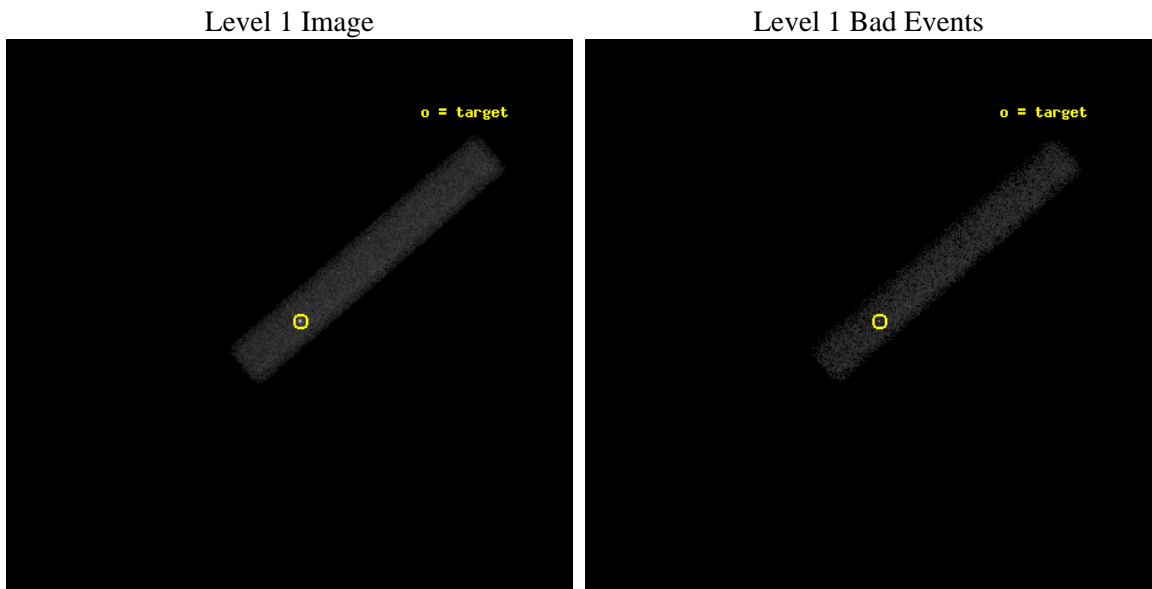
seq_num	701922	Sequence number
obs_id	10379	Observation id
title	Probing X-Ray Jet Emission Mechanisms in a Complete Blazar Sample	
observer	Dr Preeti Kharb	Principal investigator
object	1641+399	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	250.745	Observer's specified target RA [deg]
dec_targ	39.810278	Observer's specified target Dec [deg]
ra_nom	250.75122193531	Nominal RA [deg]
dec_nom	39.809505217086	Nominal Dec [deg]
roll_nom	319.15264752003	Nominal Roll [deg]
revision	3	Processing version of data
ontime	36132.397846341	Sum of GTIs [s]
livetime	32770.177622294	Livetime [s]
ontime7	36132.397846341	Sum of GTIs [s]
l2events	49541	Number of level 2 events



2 OBI

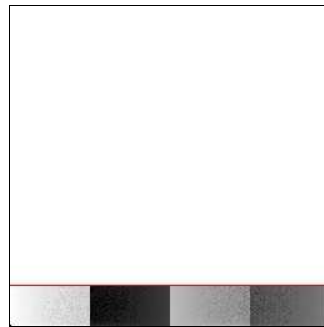
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	36000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	36132.397846341	Sum of GTIs [s]
caldbver	4.4.10	 	ontime7	36132.397846341	Sum of GTIs [s]
date	2012-06-15T14:15:38	Date and time of file creation	l1events	89770	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

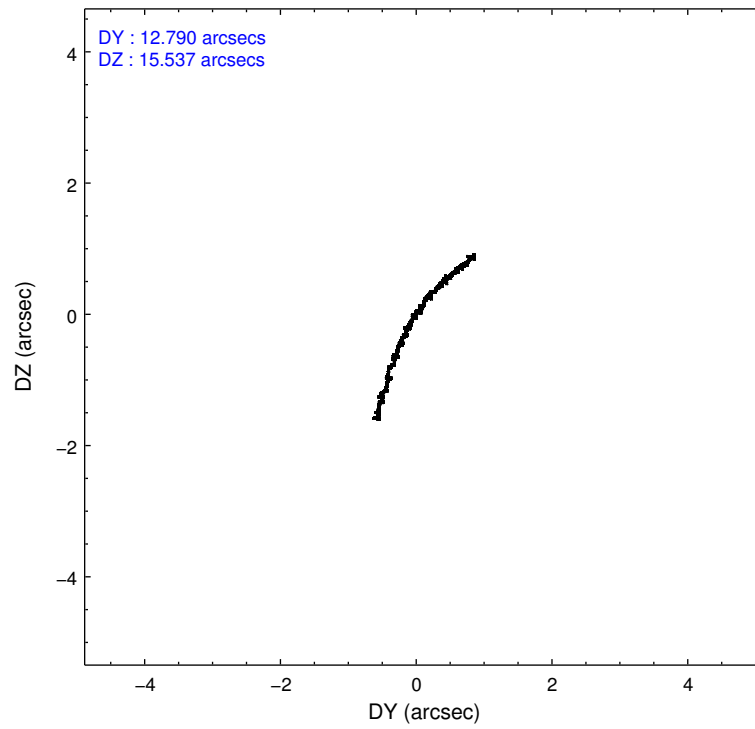
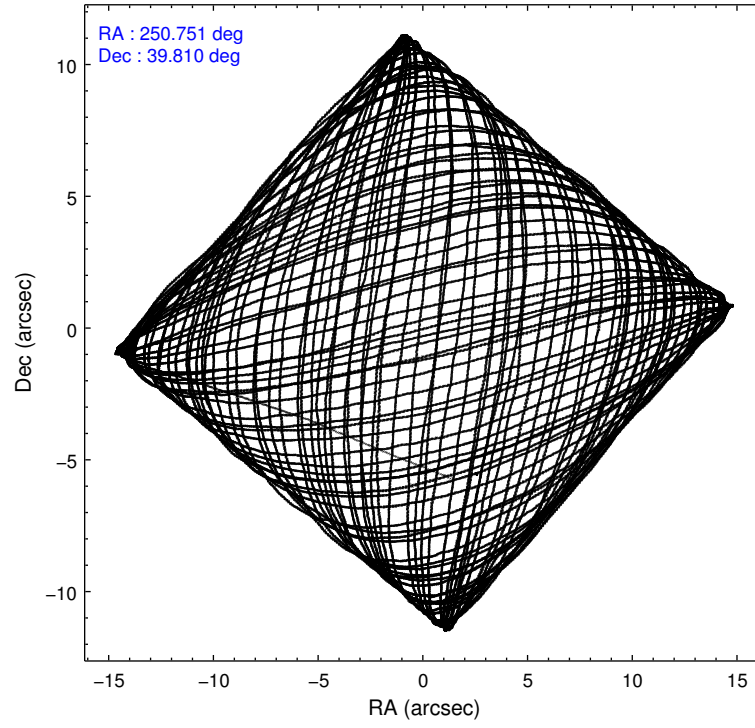
	ccd 7
level 1 events	89770
rejected events	39313
rejected %	43%

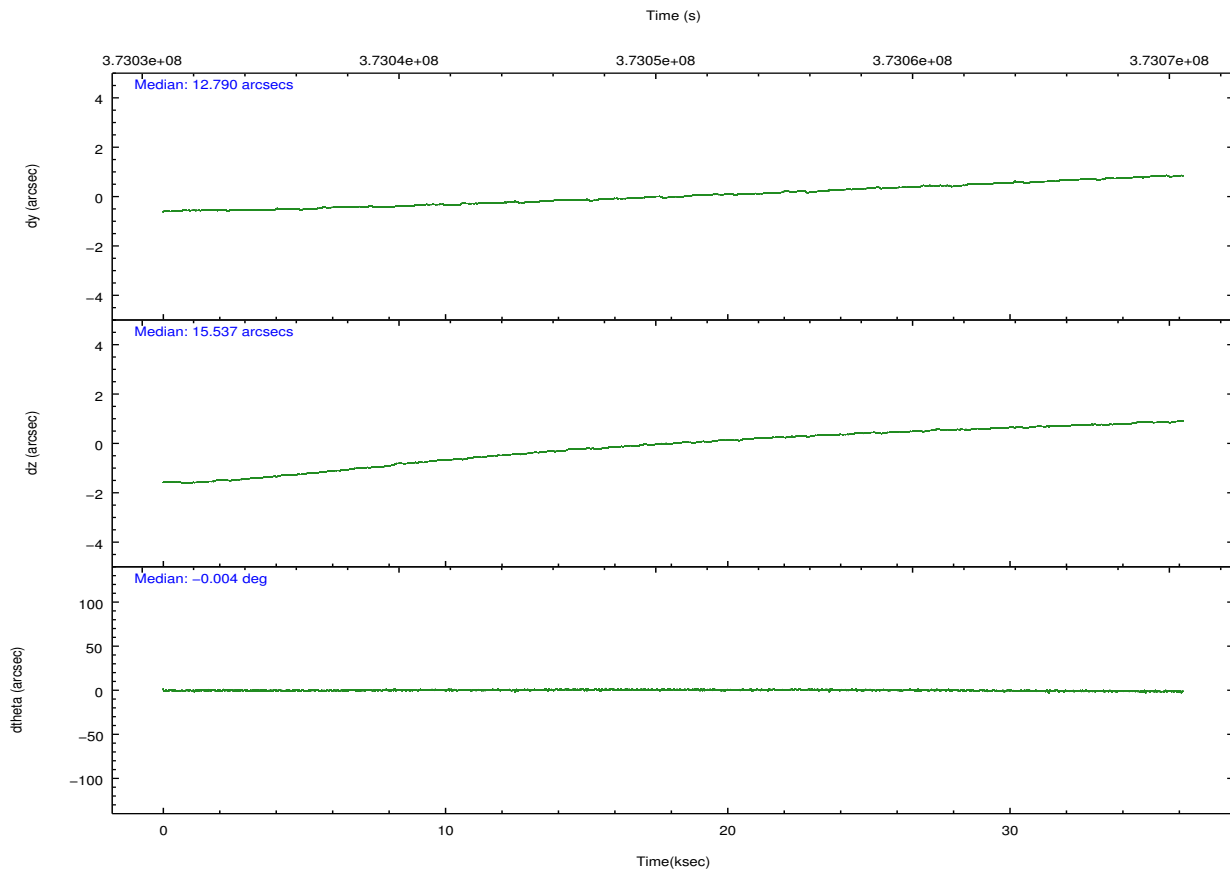
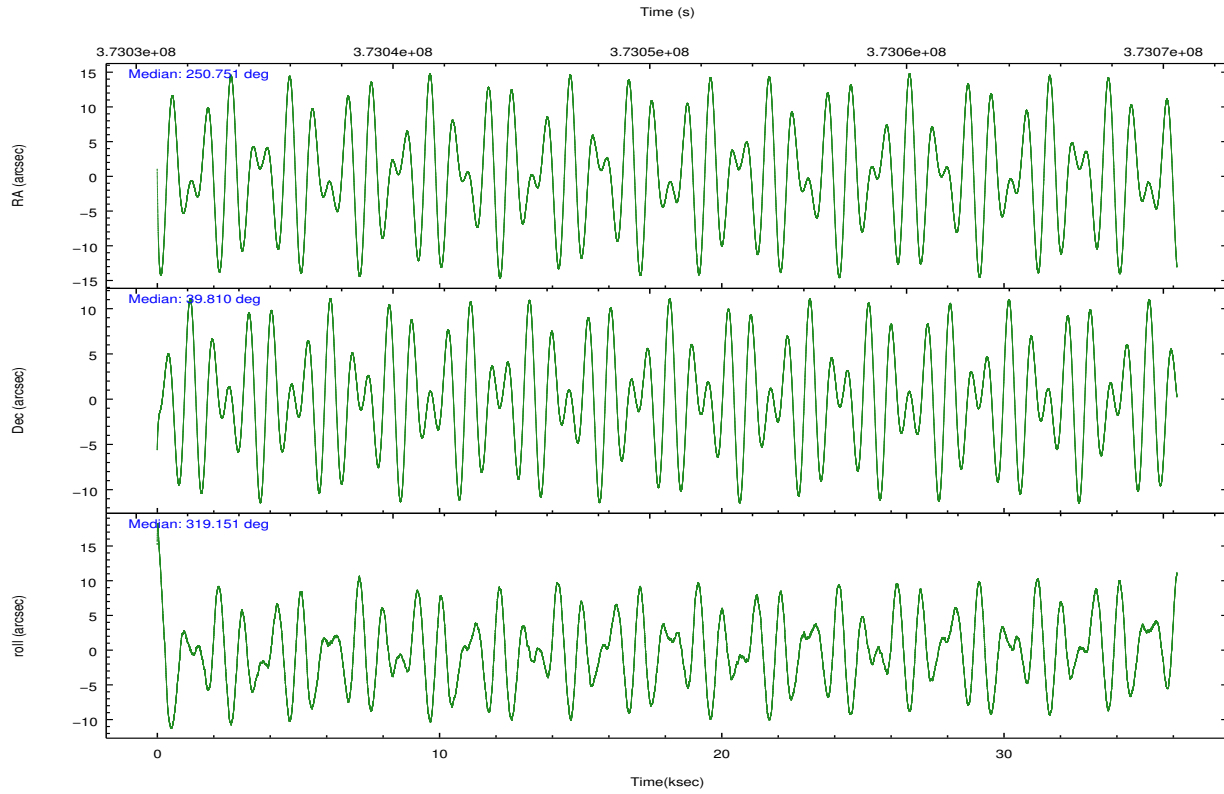
	ccd 7
grade 0 events	7933
	8%
grade 1 events	166
	0%
grade 2 events	10818
	12%
grade 3 events	6146
	6%
grade 4 events	6014
	6%
grade 5 events	6460
	7%
grade 6 events	20513
	22%
grade 7 events	31720
	35%

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	250.716183	250.7512219353148	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	39.814283	39.80950521708593	Subarray start row	1	1
[deg] Pointing Roll	319.018449	319.152647520031	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)	373032734.184000	373031555.32615			
Observation start date	2009-10-27T12:11:08	2009-10-27T11:52:35			
[s] Observation end time (MET)	373068734.184000	373069615.62807			
Observation end date	2009-10-27T22:11:08	2009-10-27T22:26:55			
Read mode	TIMED	TIMED			

2.3 Aspect



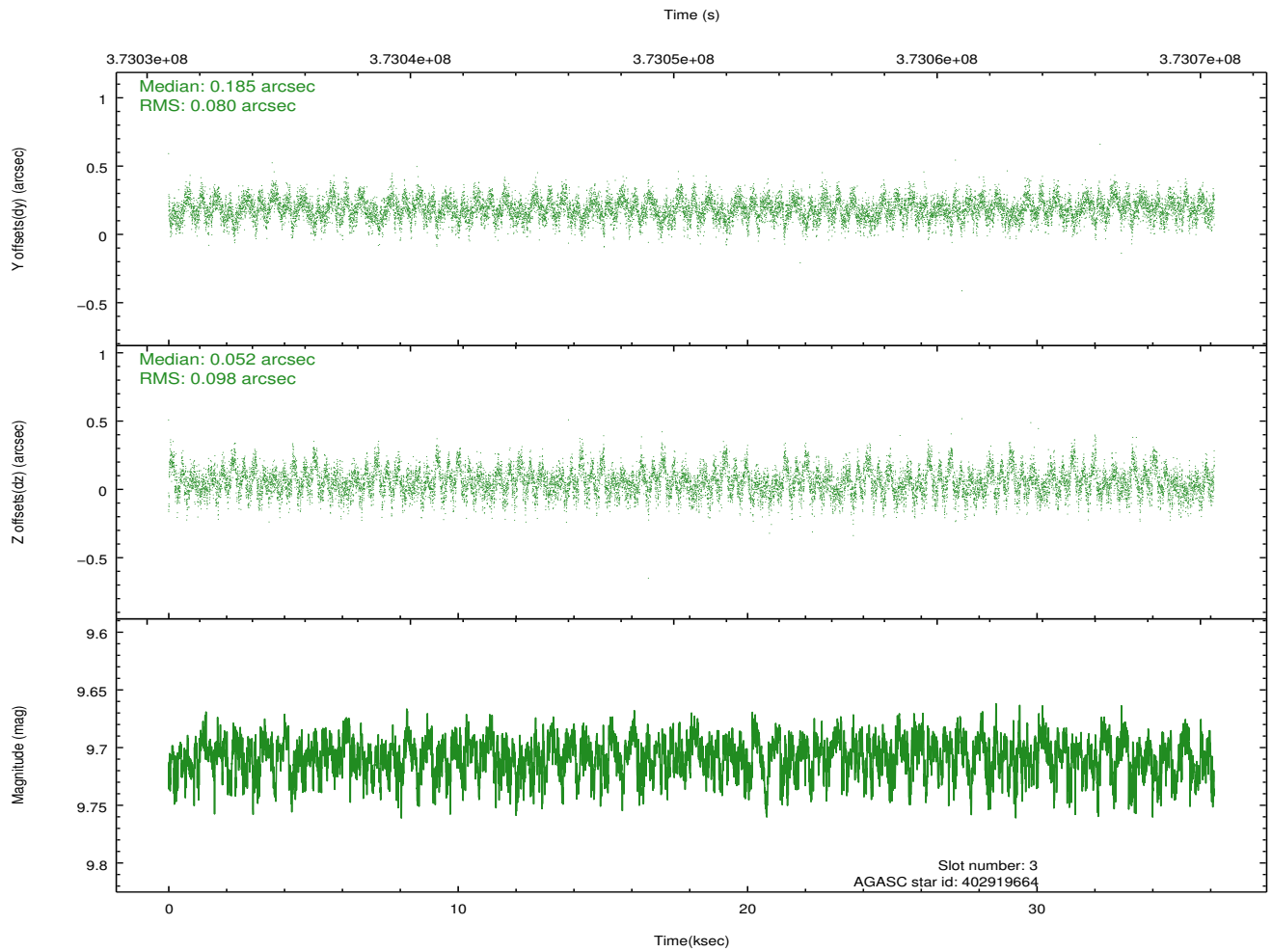
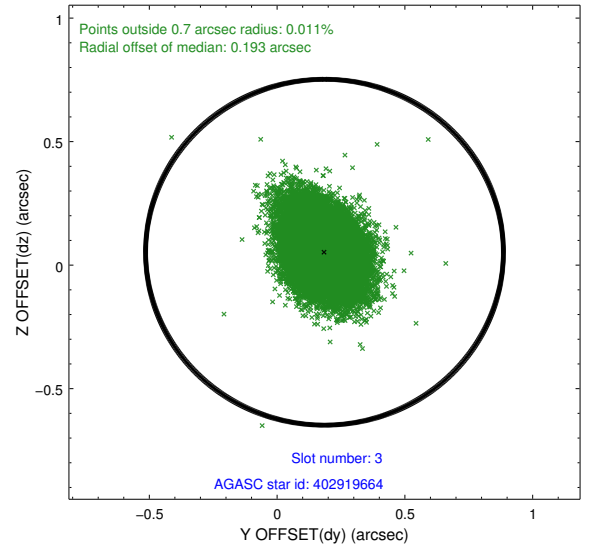
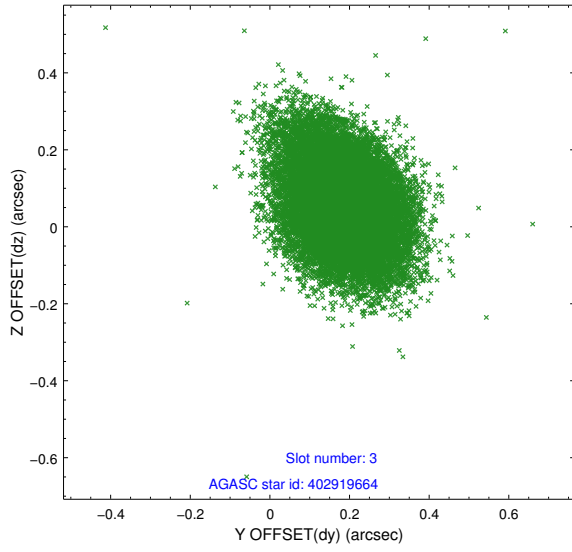


Slot Statistics

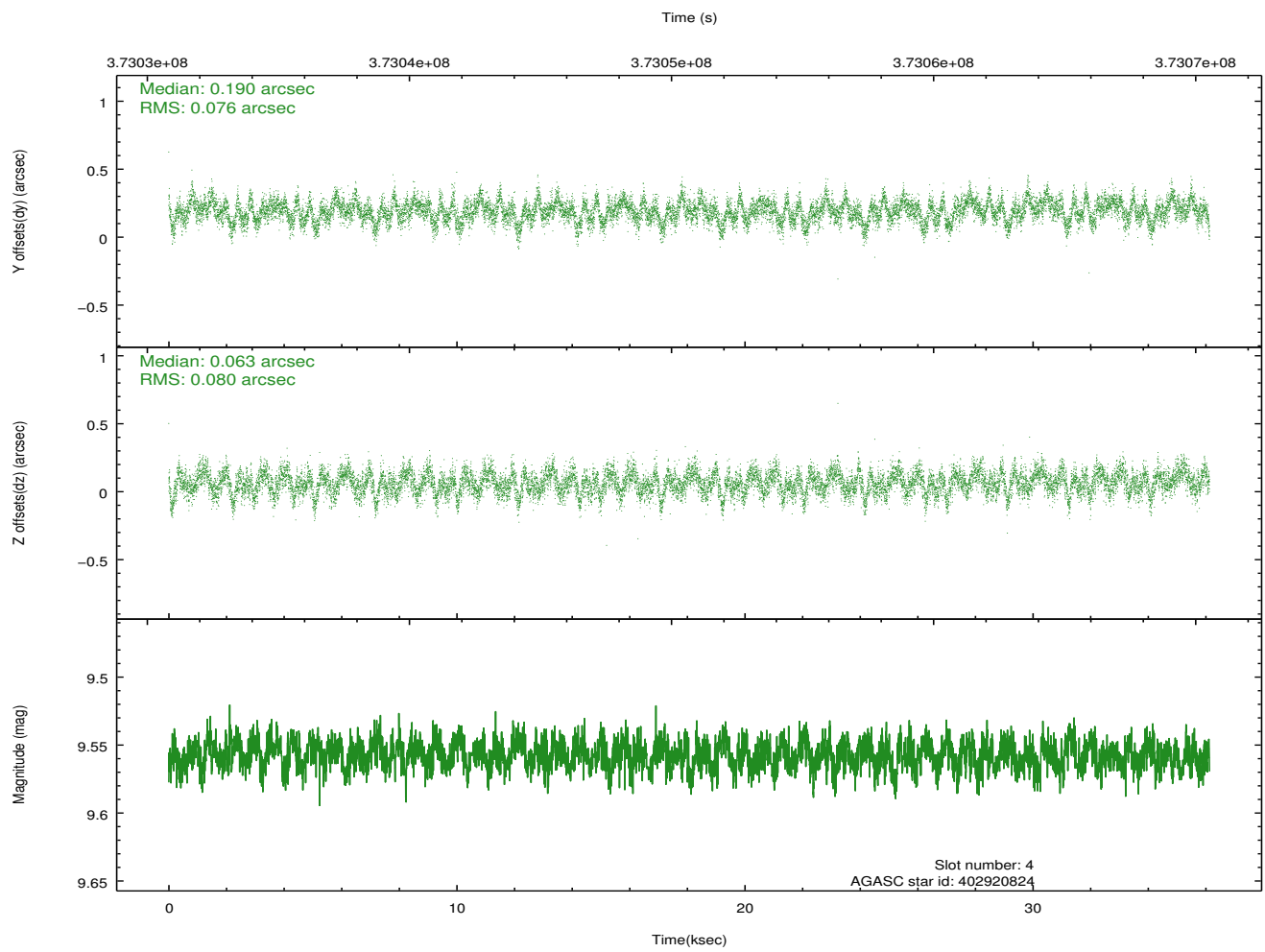
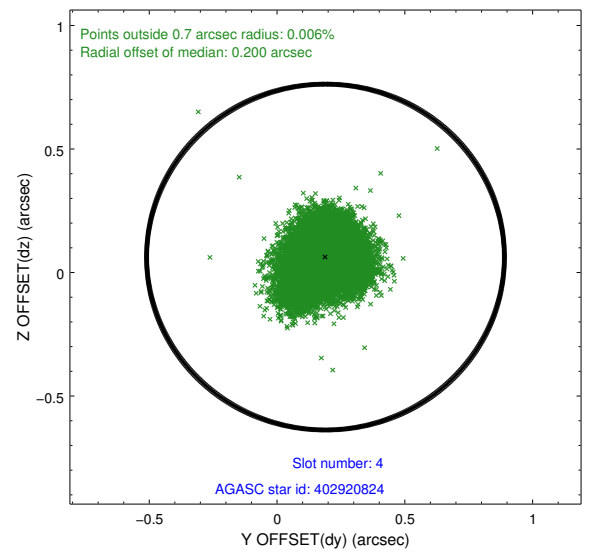
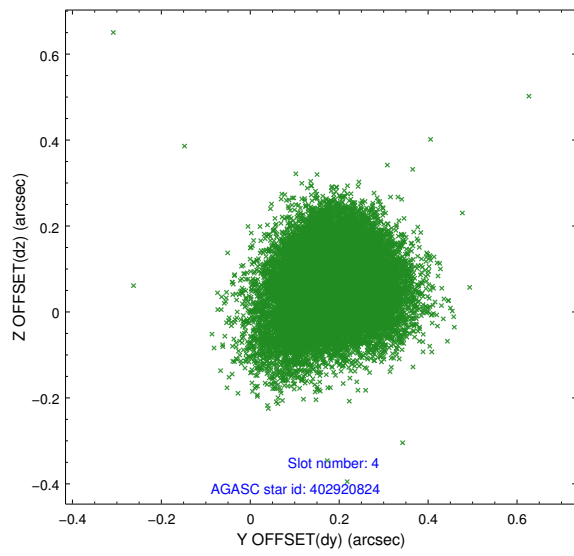
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.97	8811	0.124	-0.087	0.006	0.012	0.000000	0.000000	931.16	-1952.62
1	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
2	FID	ACIS-S-5	7.02	8811	-0.139	0.094	0.006	0.012	0.000000	0.000000	-1818.03	-54.88
3	GUIDE	402919664	9.71	17599	0.185	0.052	0.133	0.223	250.413096	39.649967	-246.25	-996.49
4	GUIDE	402920824	9.56	17598	0.190	0.063	0.117	0.192	250.008594	39.833340	-1526.12	-1225.19
5	GUIDE	402924200	9.44	17606	-0.366	-0.048	0.117	0.186	250.233038	39.972708	-1382.65	-440.97
6	GUIDE	402926416	9.43	17536	0.039	-0.061	0.101	0.164	251.685516	39.826965	1984.04	1803.07
7	GUIDE	402921528	8.17	17618	-0.038	-0.005	0.081	0.132	251.380069	39.383044	2408.80	45.03

2.4 Star Slots

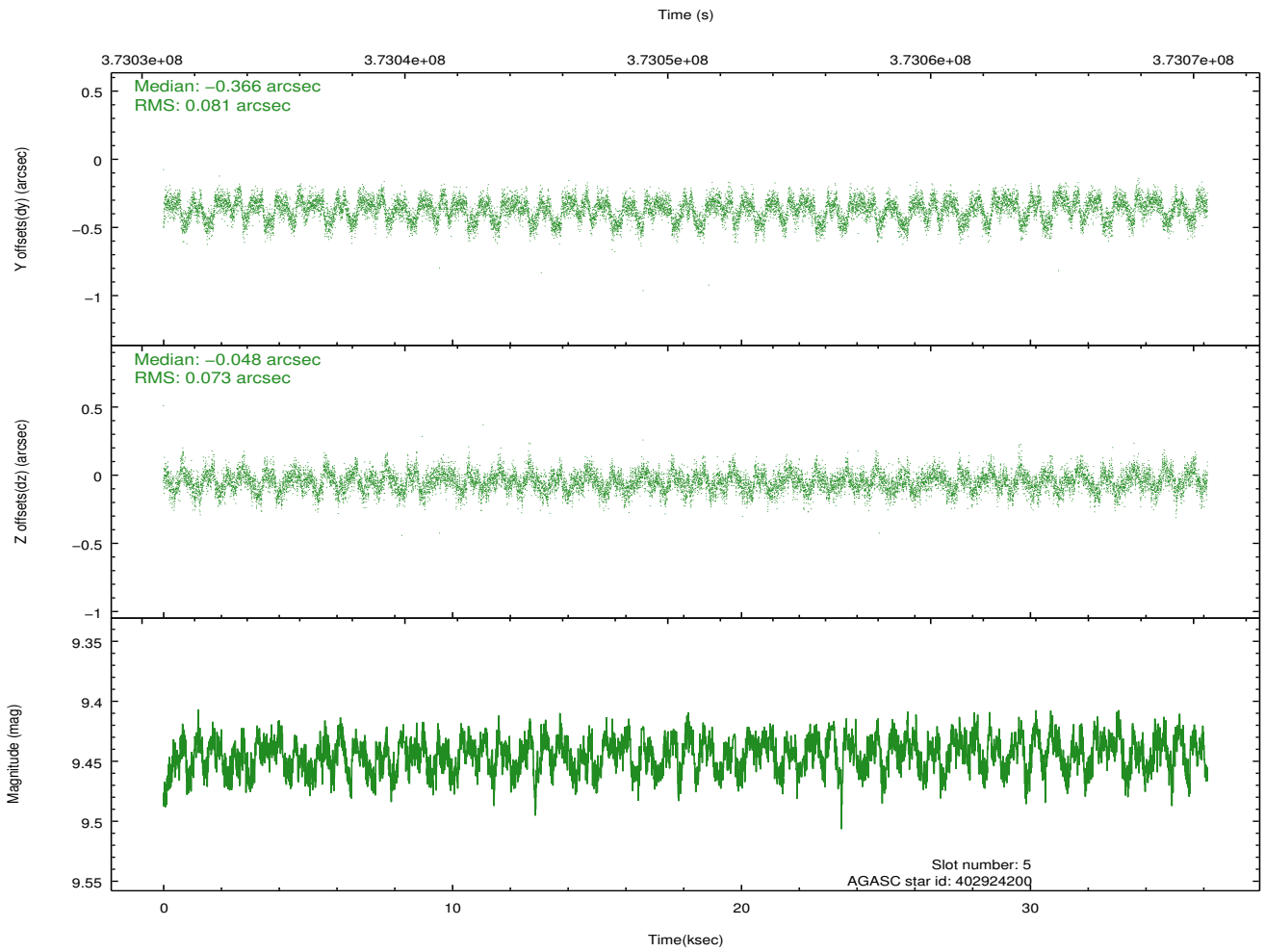
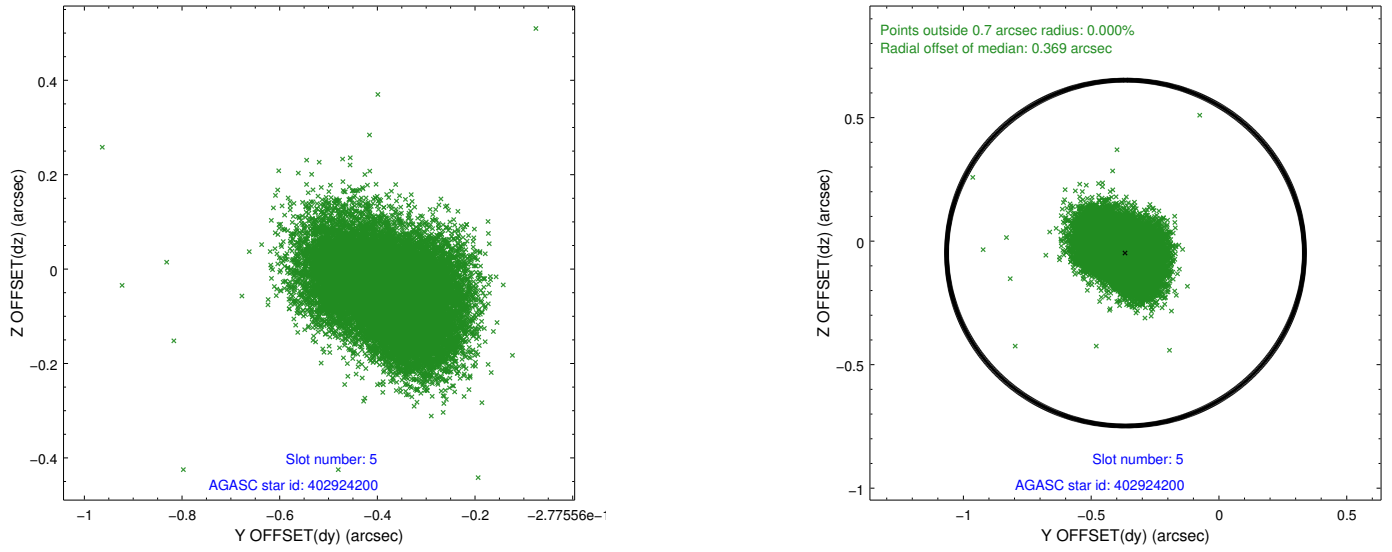
2.4.1 Slot 3



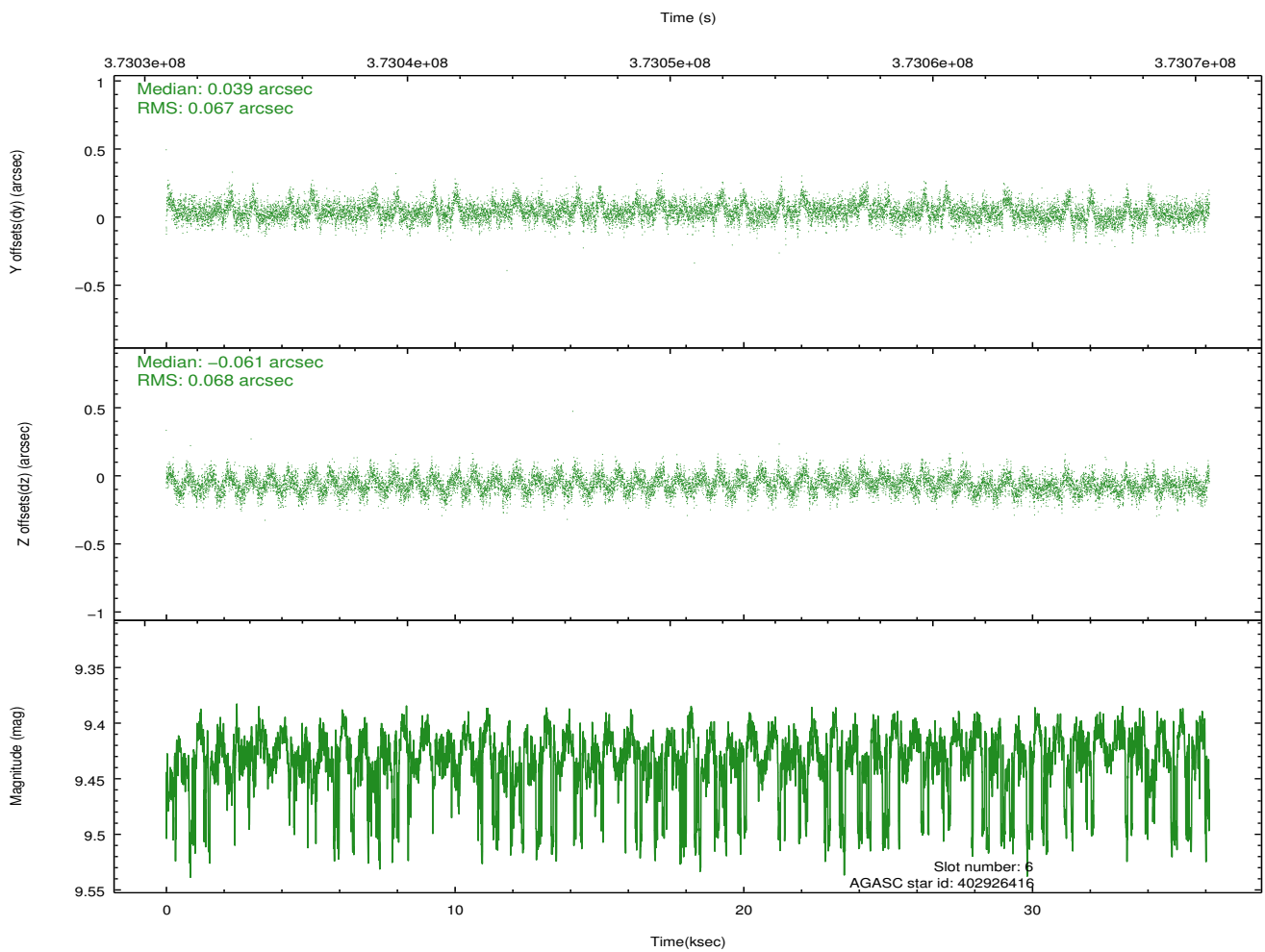
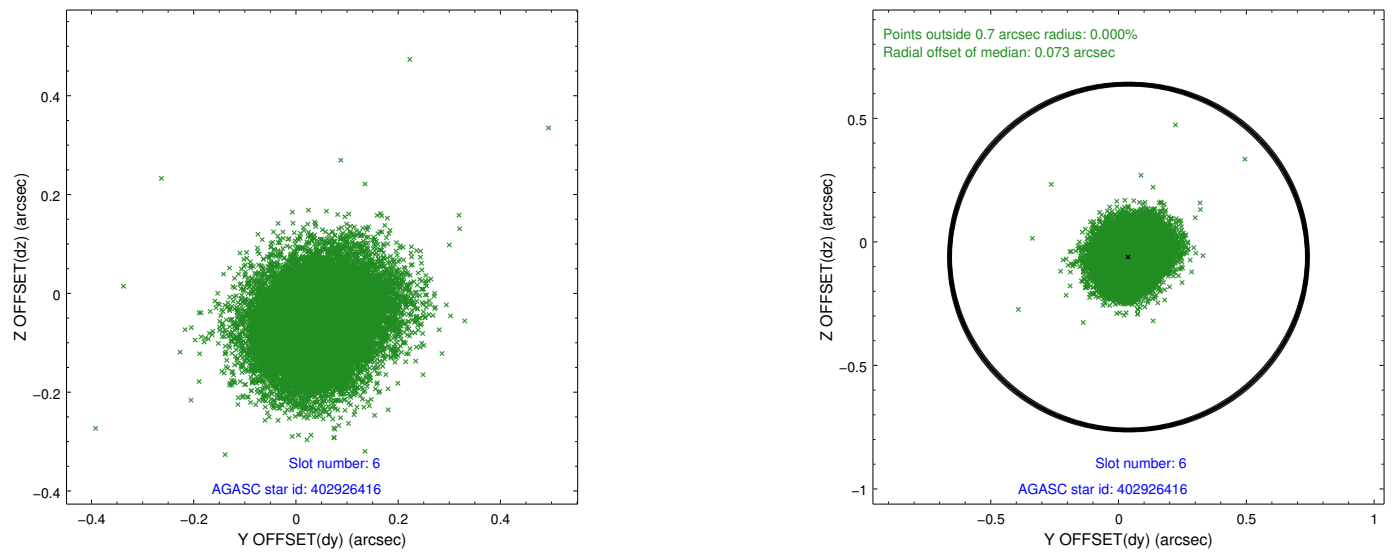
2.4.2 Slot 4



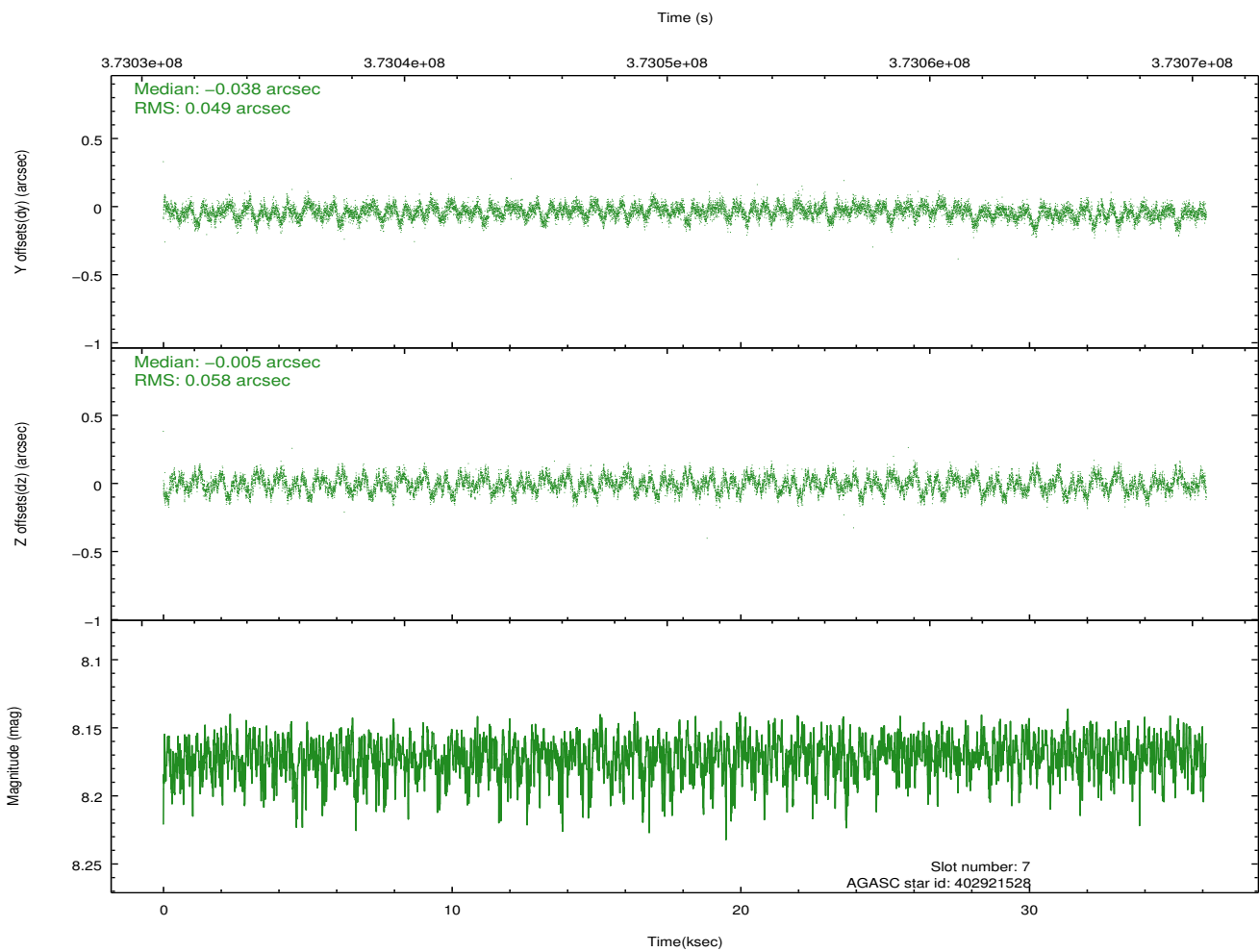
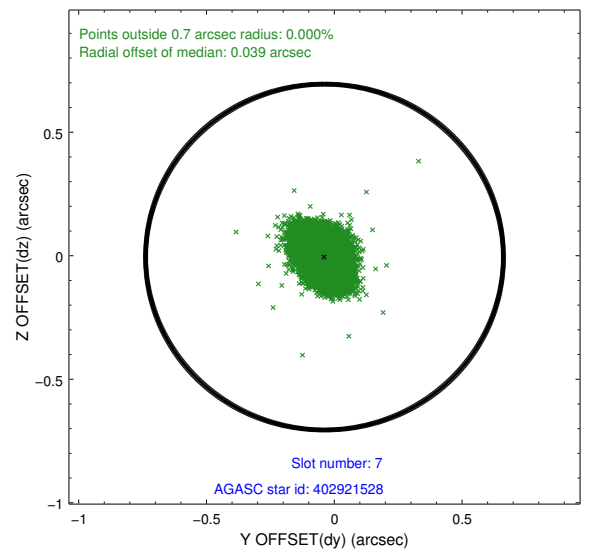
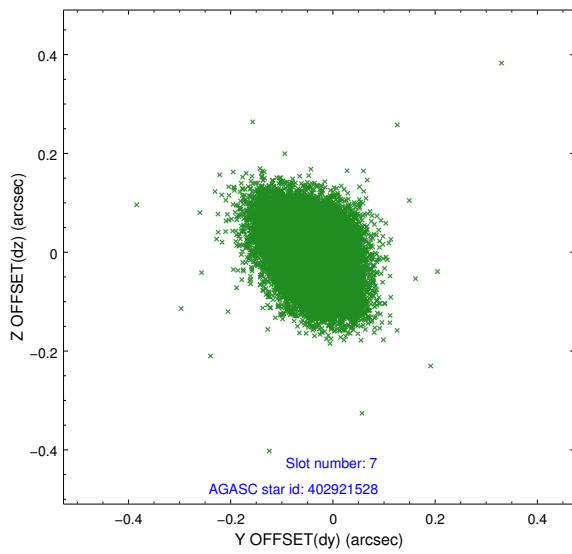
2.4.3 Slot 5



2.4.4 Slot 6

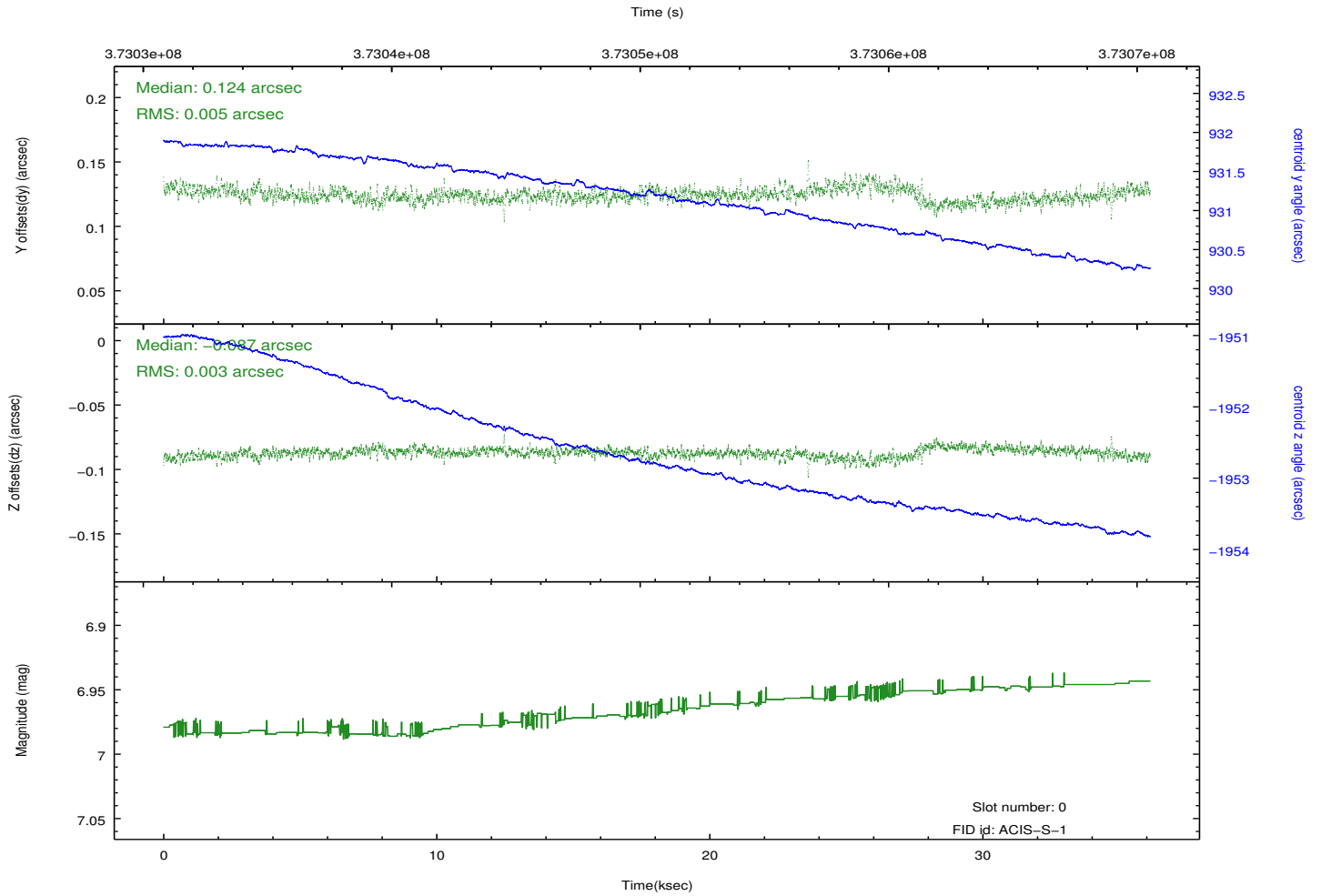
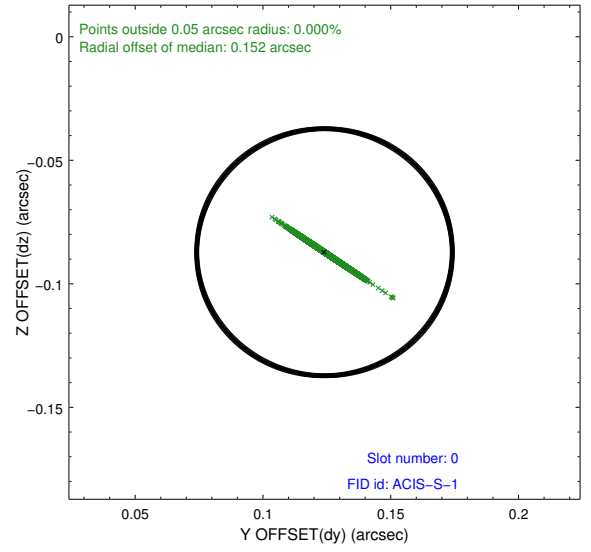
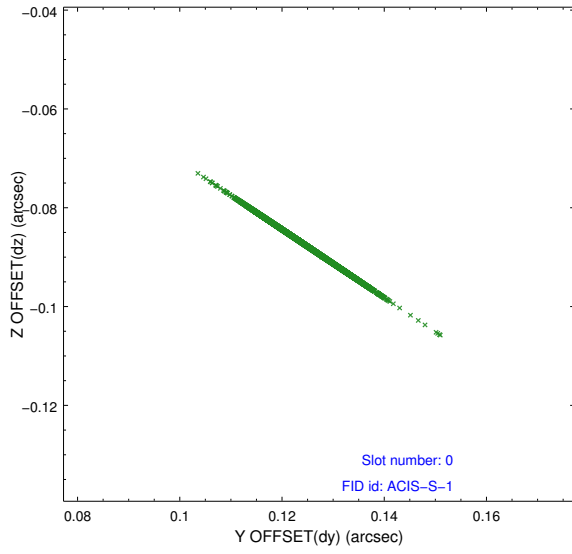


2.4.5 Slot 7

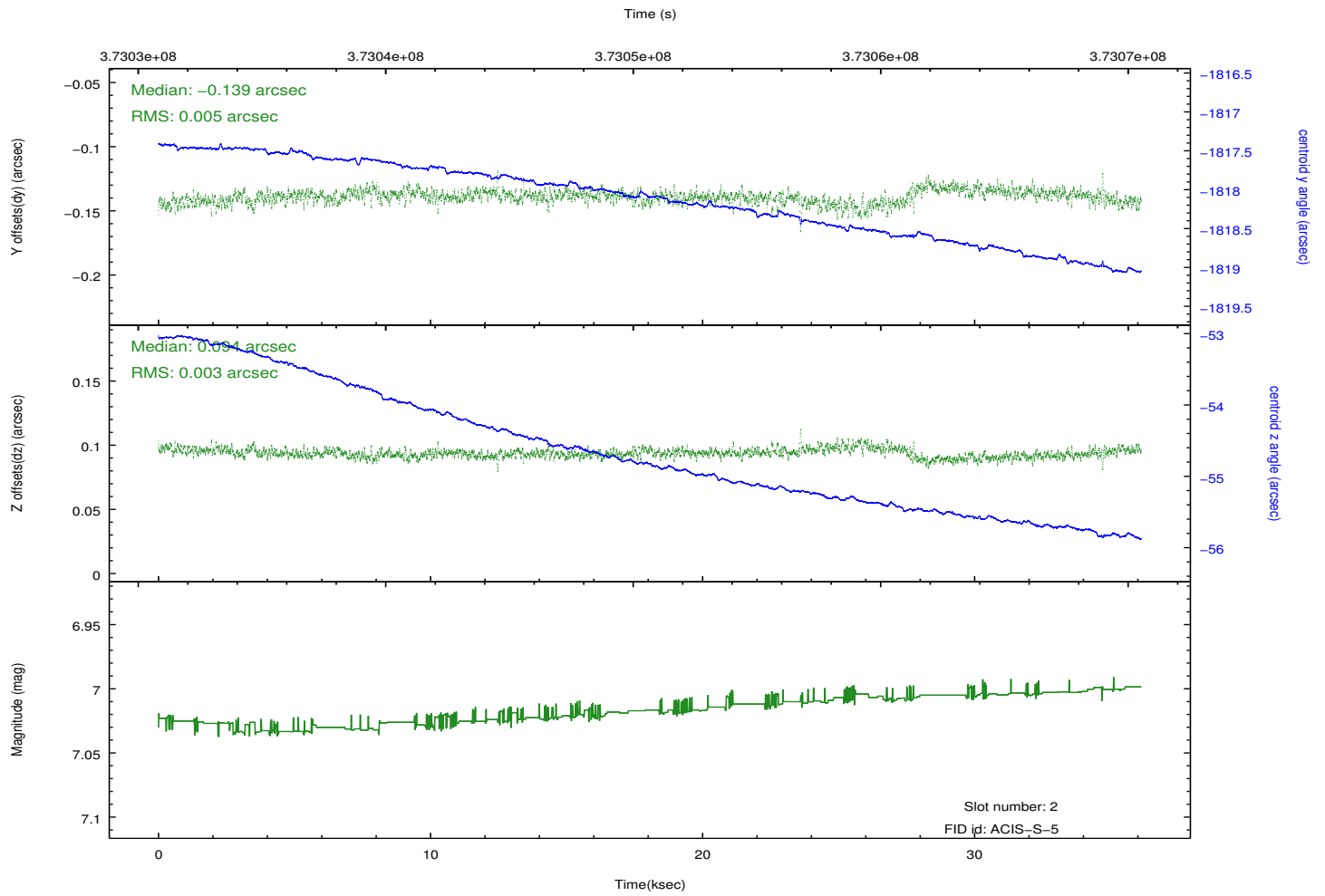
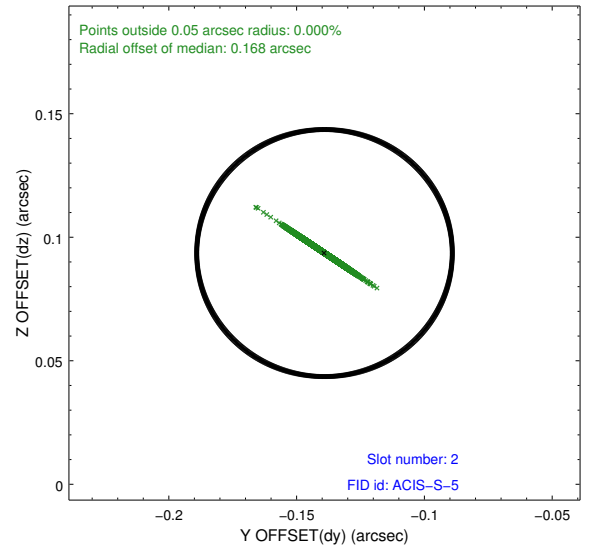
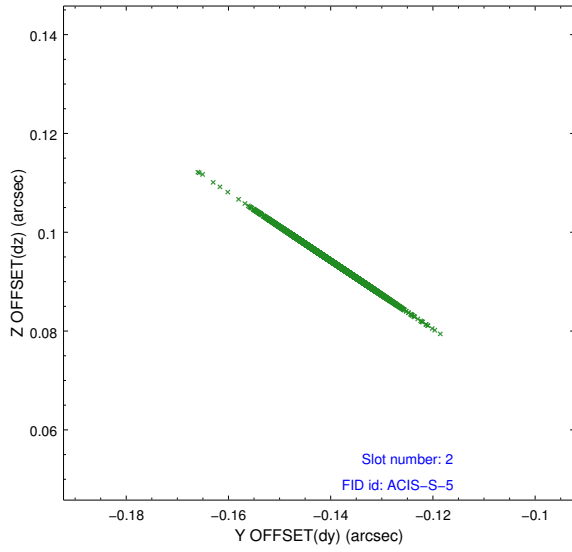


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.132397846341

A.2 Comments

The fid light in slot 1 was removed from the aspect solution due to poor data quality. The aspect solution is improved by the removal of this fid light from the solution.

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Joint proposal with HST. Preferred roll angle met.