

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11581 - L2 Version 2
Chandra X-Ray Center

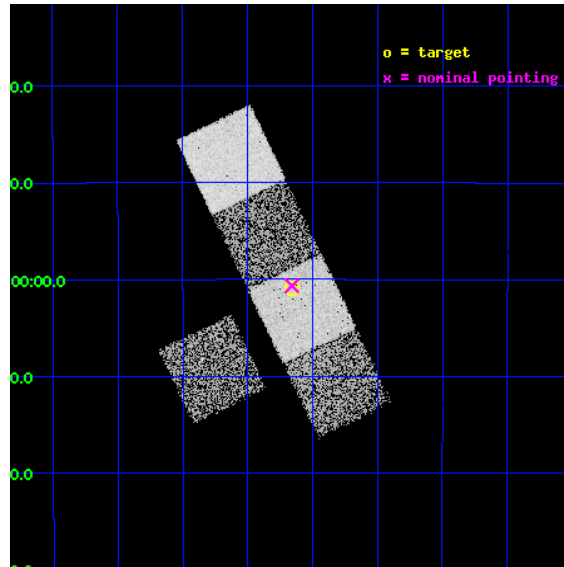
L2 Processing Date : Jun 12 2012

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1 Front

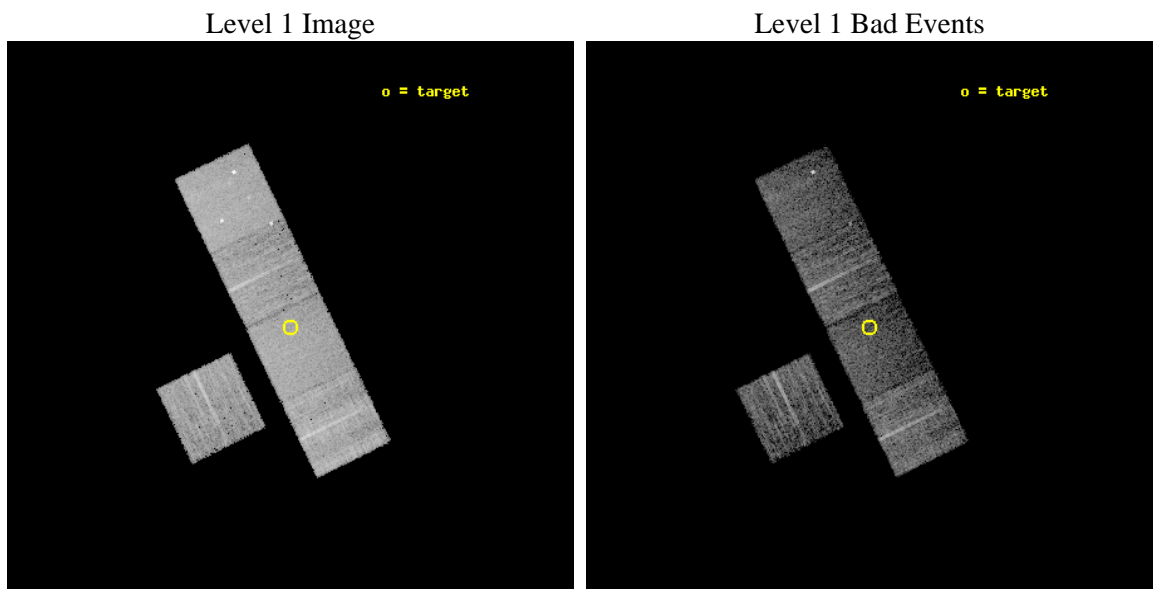
seq_num	702167	Sequence number
obs_id	11581	Observation id
title	X-ray Obscured Broad-line AGN	Proposal title
observer	Dr. Jennifer Donley	Principal investigator
object	HELLAS2XMM 26900039	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	359.915833	Observer's specified target RA [deg]
dec_targ	-25.015833	Observer's specified target Dec [deg]
ra_nom	359.91518864816	Nominal RA [deg]
dec_nom	-25.011062286232	Nominal Dec [deg]
roll_nom	64.169157813976	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4773.0356442332	Sum of GTIs [s]
livetime	4710.6724196836	Livetime [s]
ontime3	4772.9125242233	Sum of GTIs [s]
ontime5	4772.9946042299	Sum of GTIs [s]
ontime6	4772.9535642266	Sum of GTIs [s]
ontime7	4773.0356442332	Sum of GTIs [s]
ontime8	4763.448374033	Sum of GTIs [s]
l2events	60505	Number of level 2 events



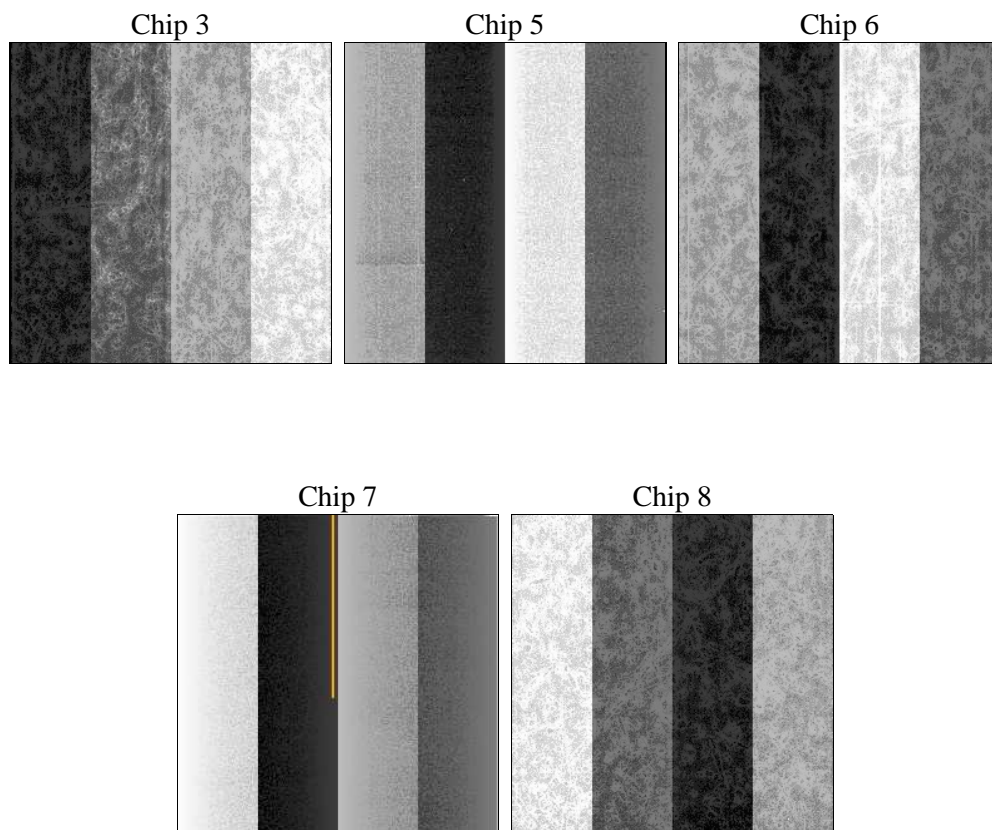
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.680000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4773.0356442332	Sum of GTIs [s]
caldbver	4.4.10	 	ontime3	4772.9125242233	Sum of GTIs [s]
date	2012-06-12T13:36:26	Date and time of file creation	ontime5	4772.9946042299	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	4772.9535642266	Sum of GTIs [s]
			ontime7	4773.0356442332	Sum of GTIs [s]
			ontime8	4763.448374033	Sum of GTIs [s]
			l1events	247986	Number of level 1 events

2.1.4 Events

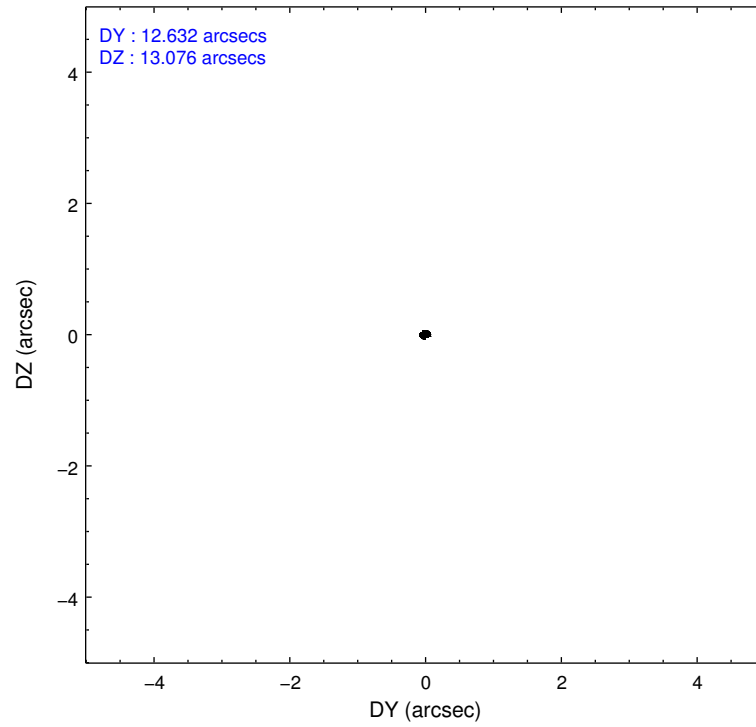
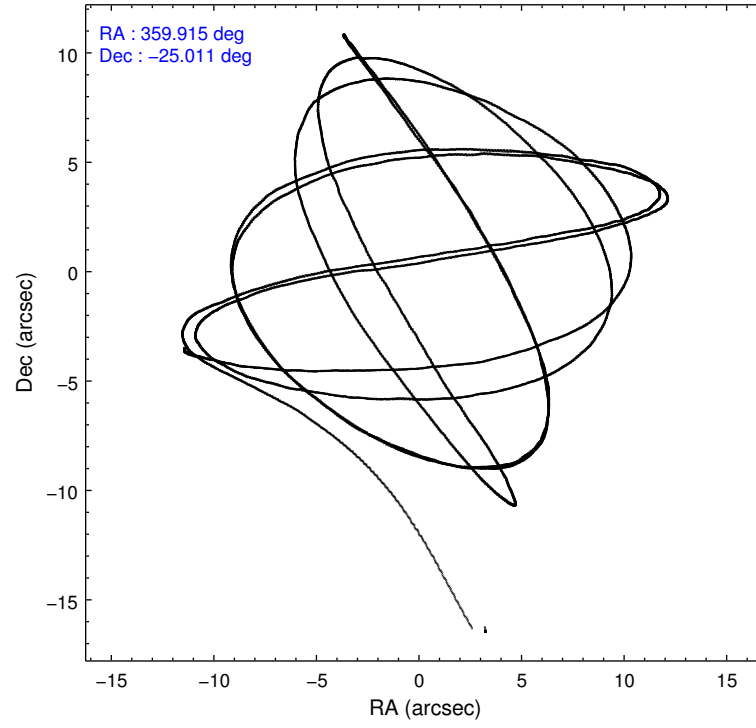
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	39511	61173	42135	47974	57193
rejected events	35390	30519	37705	26603	43550
rejected %	89%	49%	89%	55%	76%

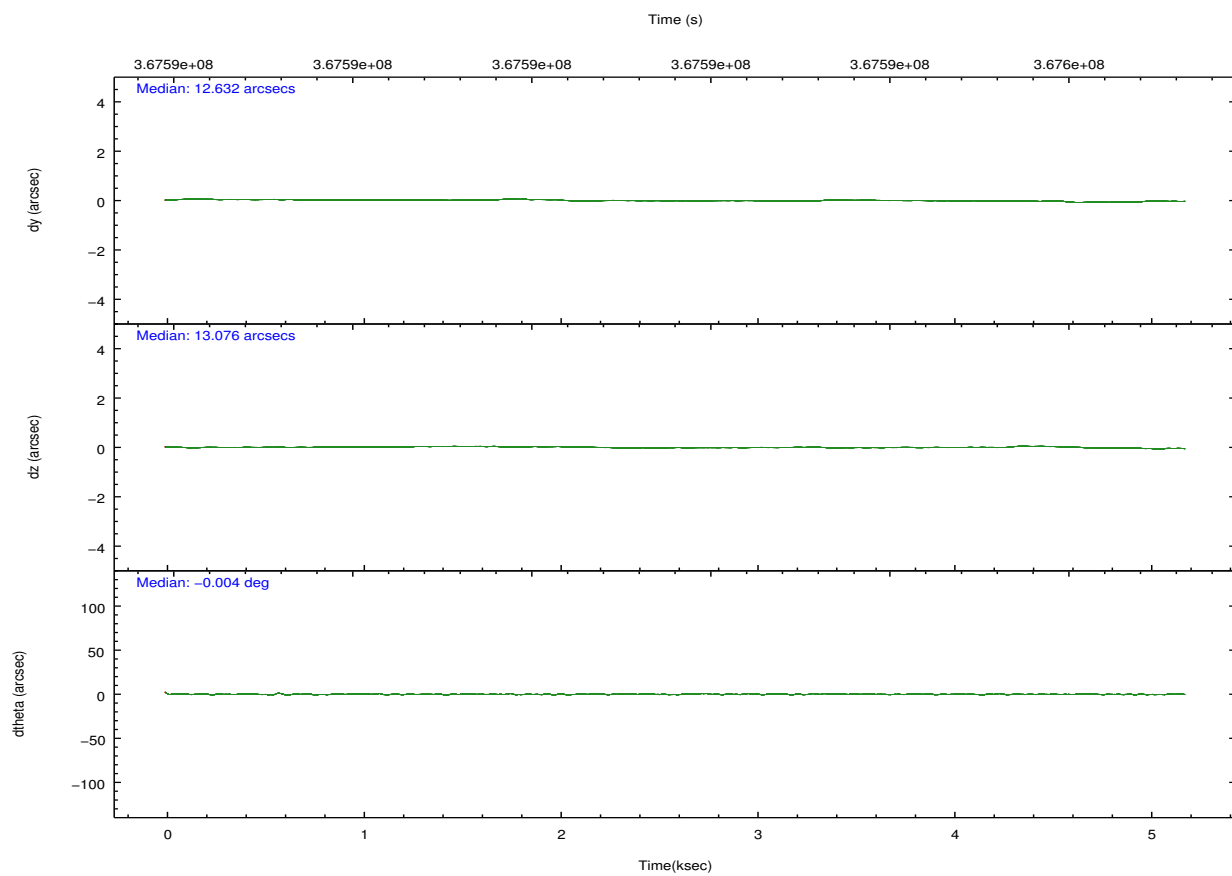
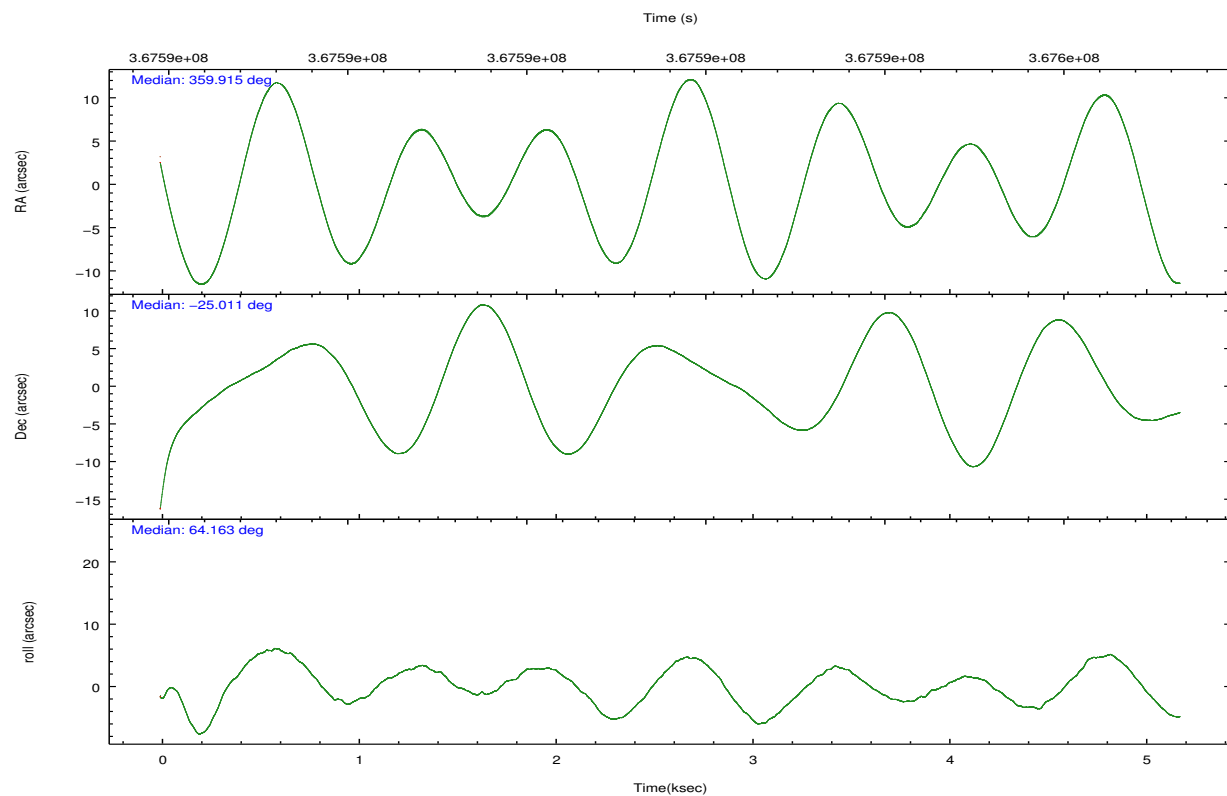
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1574	3292	1471	1908	3823
	3%	5%	3%	3%	6%
grade 1 events	24	174	26	64	39
	0%	0%	0%	0%	0%
grade 2 events	893	9396	1025	4301	3207
	2%	15%	2%	8%	5%
grade 3 events	443	1178	497	1913	1475
	1%	1%	1%	3%	2%
grade 4 events	442	1234	457	1868	1409
	1%	2%	1%	3%	2%
grade 5 events	1752	4881	1767	5008	2575
	4%	7%	4%	10%	4%
grade 6 events	771	15575	984	11395	3734
	1%	25%	2%	23%	6%
grade 7 events	33612	25443	35908	21517	40931
	85%	41%	85%	44%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	359.917888	359.9151886481555	CCD I2 on	N	N
[deg] Pointing Dec	-25.038246	-25.01106228623151	CCD I3 on	O1	Y
[deg] Pointing Roll	64.013687	64.16915781397574	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	367590376.184000	367589014.15271	CCD S5 on	N	N
Observation start date	2009-08-25T12:25:10	2009-08-25T12:03:34	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	367595376.184000	367595594.65304	On-chip summing requested	N	N
Observation end date	2009-08-25T13:48:30	2009-08-25T13:53:14	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



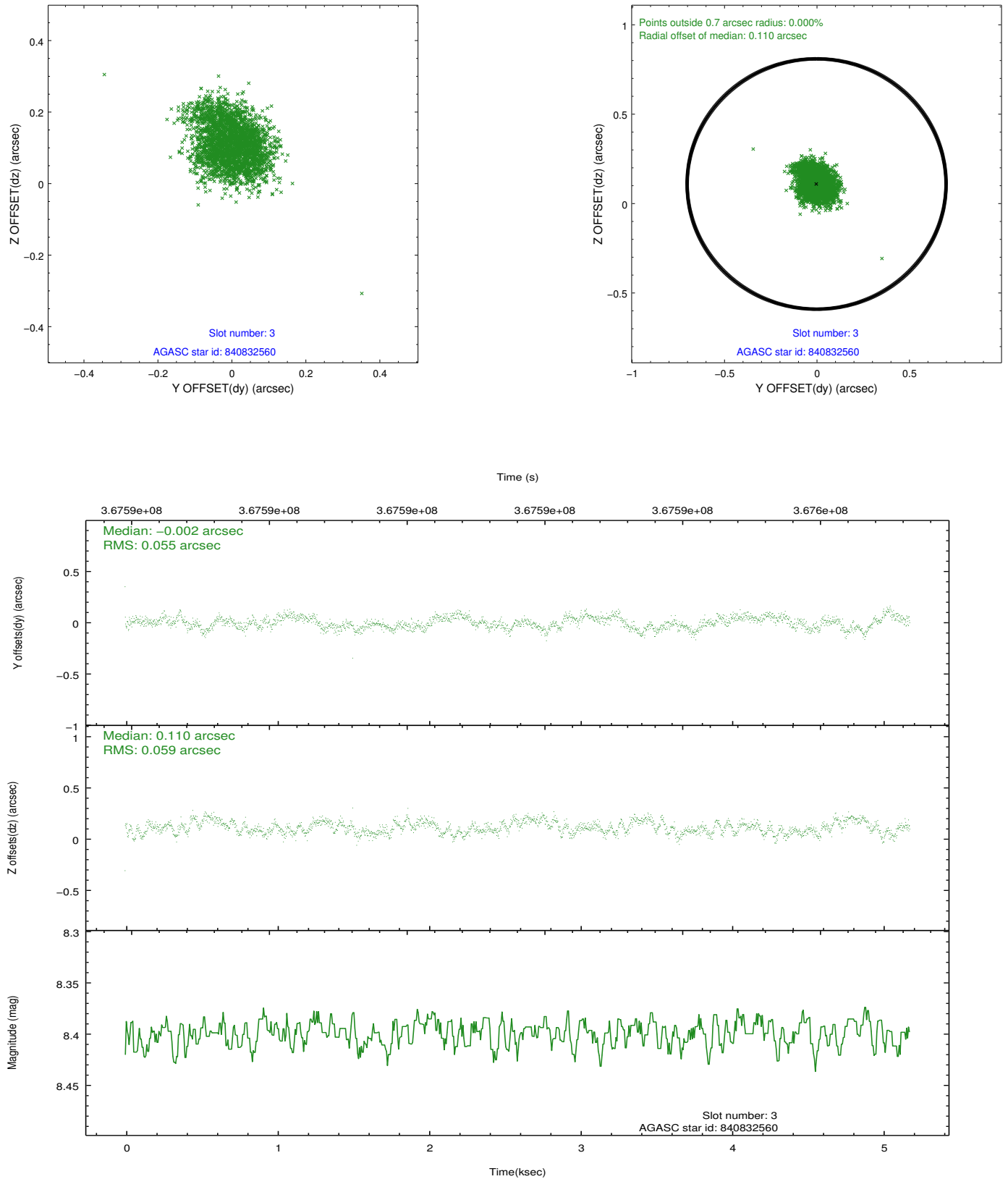


Slot Statistics

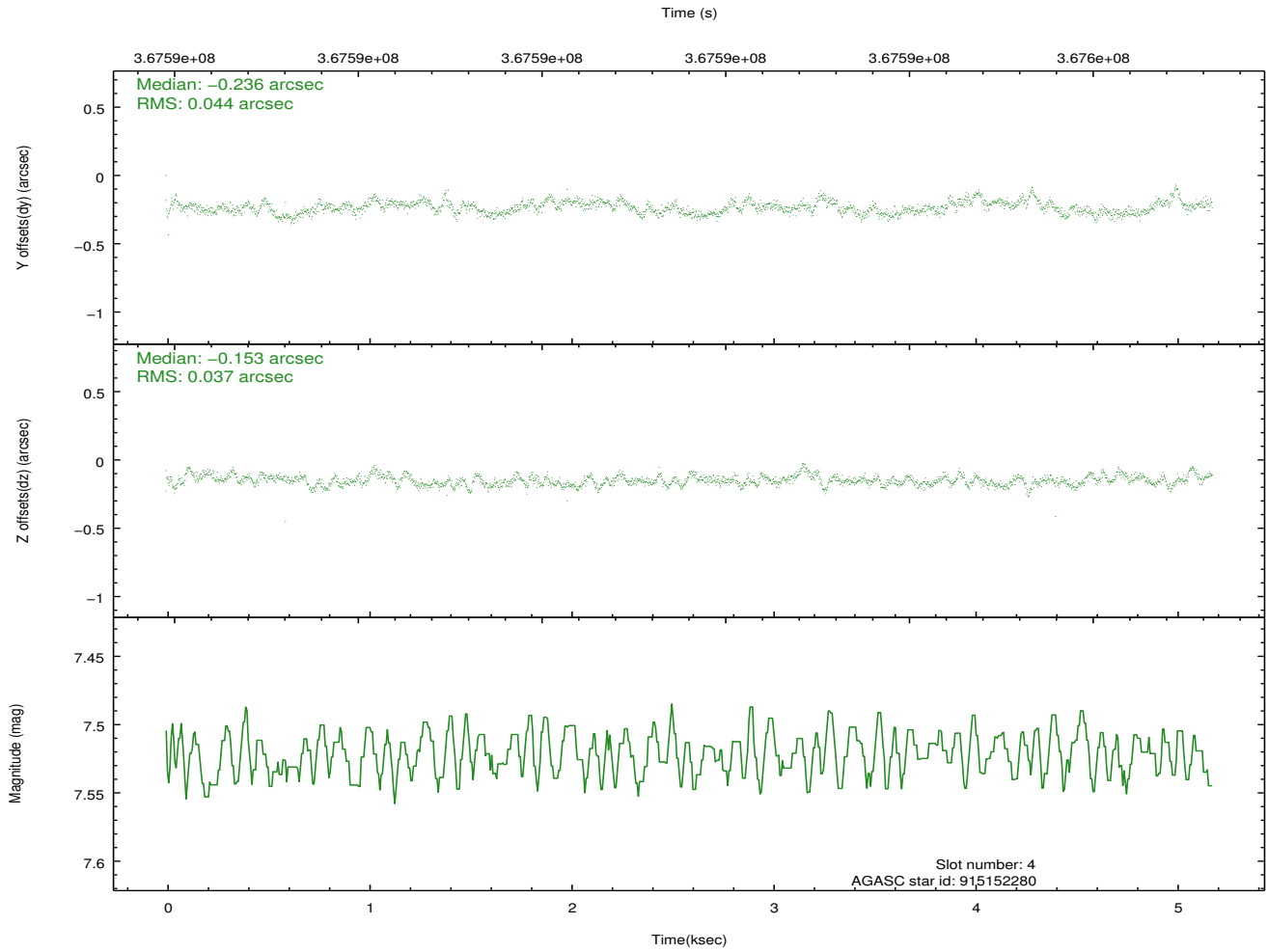
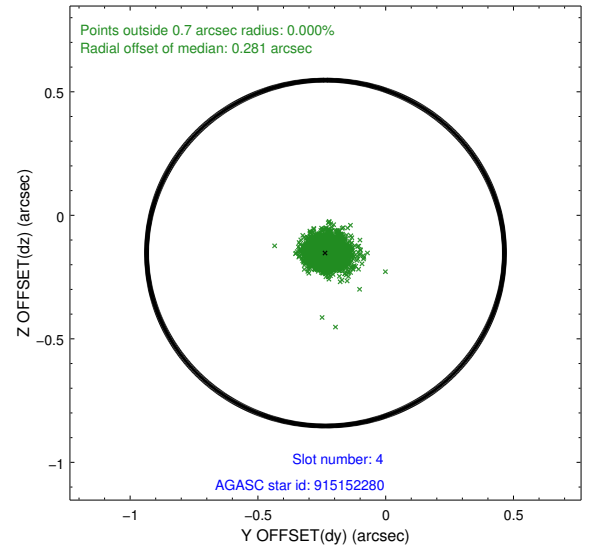
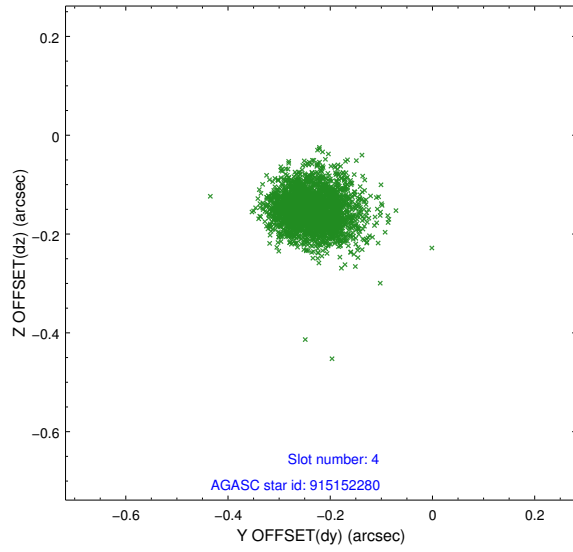
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	1264	-0.014	-0.042	0.006	0.010	0.000000	0.000000	-765.56	-1734.39
1	FID	ACIS-S-4	7.03	1264	0.131	0.018	0.005	0.010	0.000000	0.000000	2147.33	172.93
2	FID	ACIS-S-5	7.06	1264	-0.148	0.033	0.006	0.011	0.000000	0.000000	-1817.03	167.96
3	GUIDE	840832560	8.40	2526	-0.002	0.110	0.086	0.134	0.134579	-25.622281	-1581.70	-1553.99
4	GUIDE	915152280	7.52	2528	-0.236	-0.153	0.060	0.097	359.932343	-24.645225	1291.88	577.01
5	GUIDE	915542336	9.46	2528	0.035	-0.097	0.138	0.220	359.029149	-25.298519	-2117.91	2185.58
6	GUIDE	915543872	9.64	2523	0.017	0.188	0.117	0.186	359.856703	-25.338304	-1059.22	-293.48
7	GUIDE	840437536	9.06	2524	0.186	-0.055	0.106	0.180	0.884805	-24.769214	2246.04	-2421.66

2.4 Star Slots

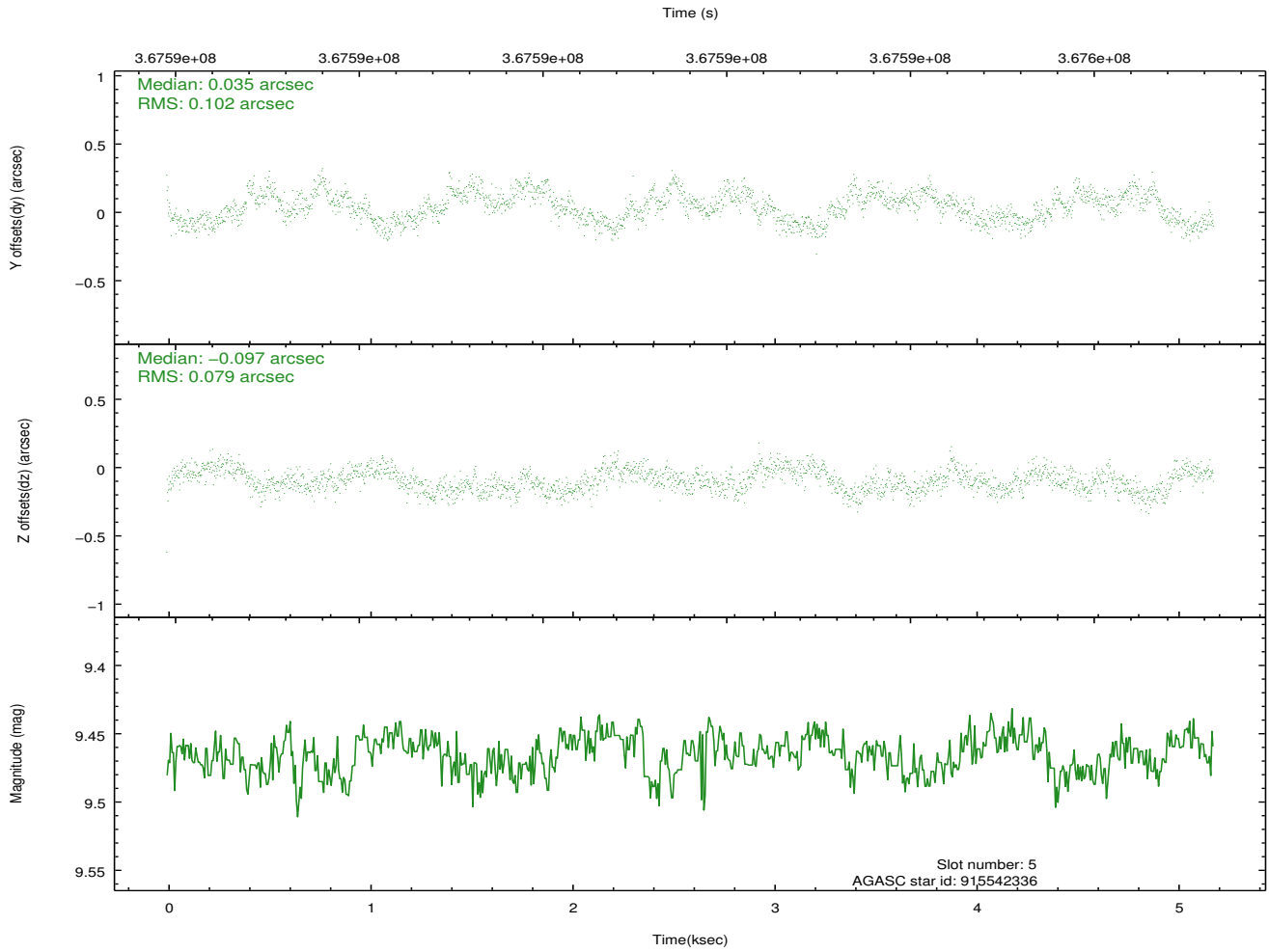
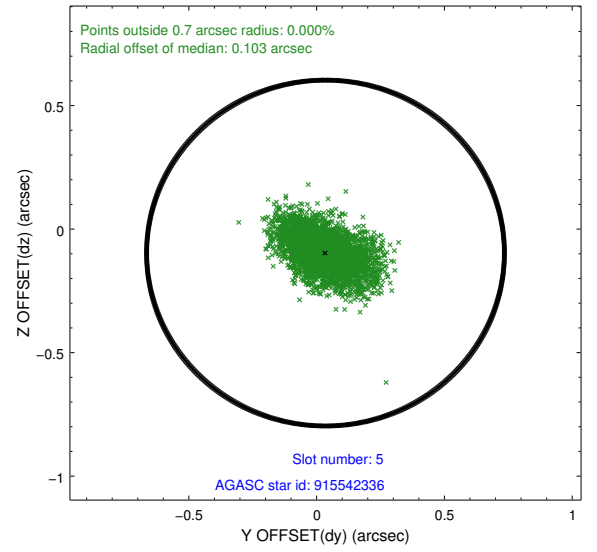
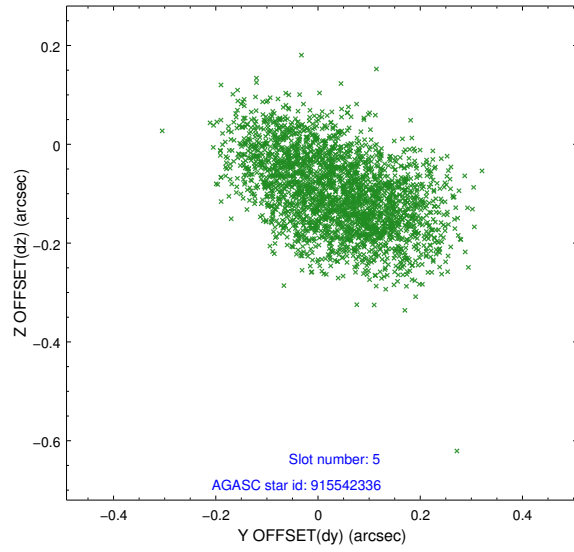
2.4.1 Slot 3



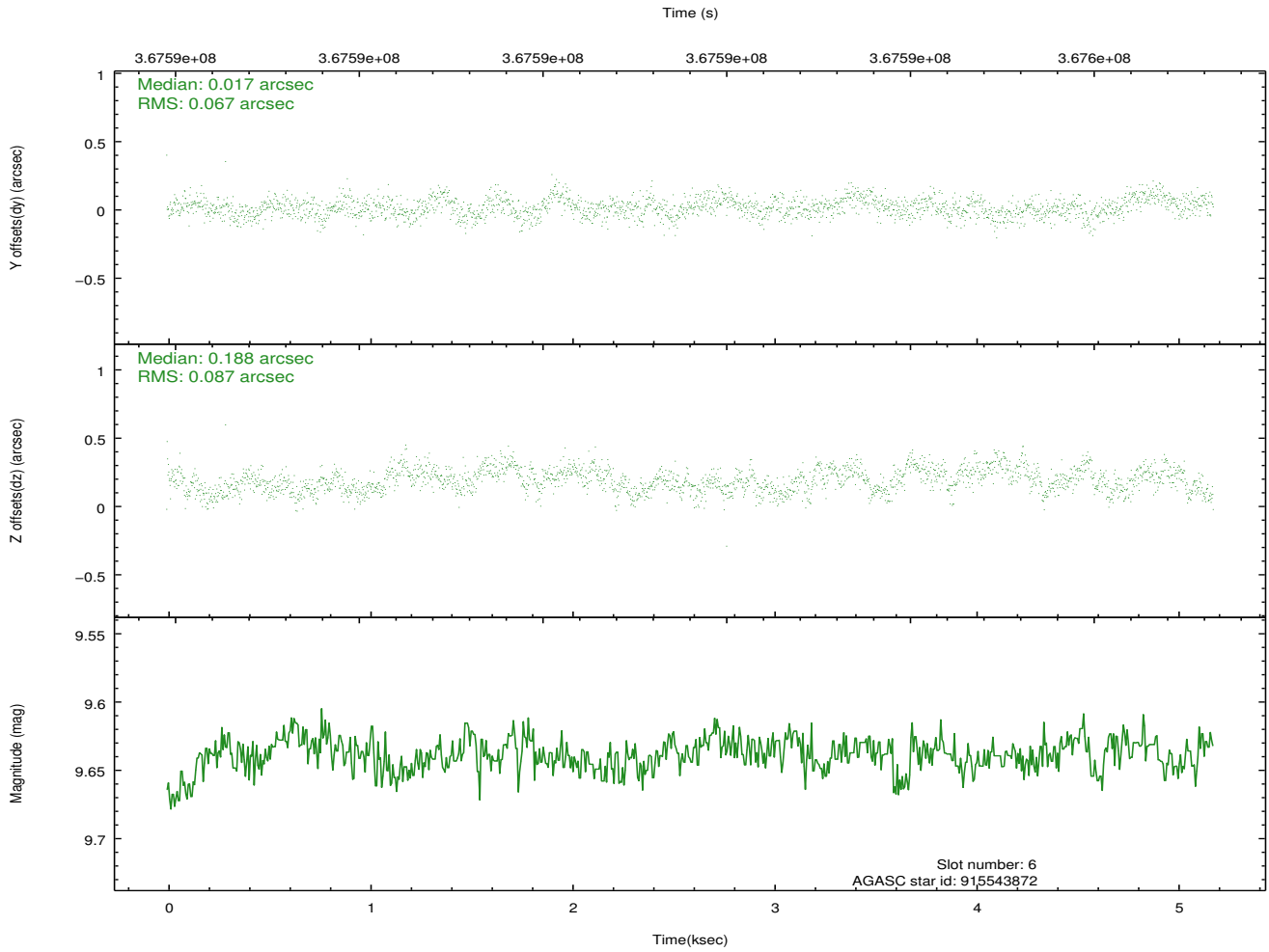
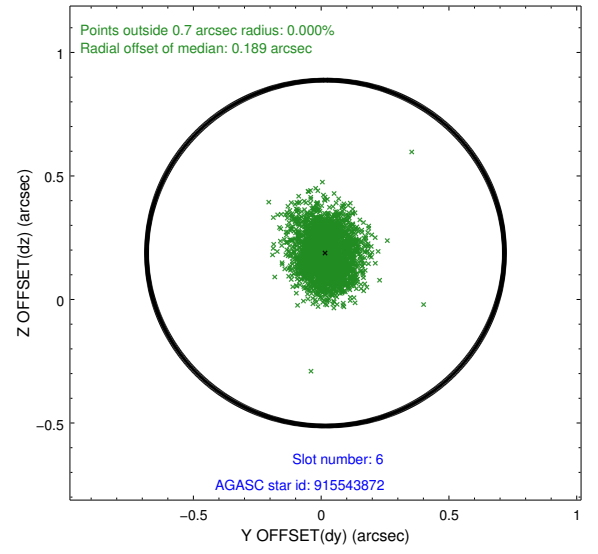
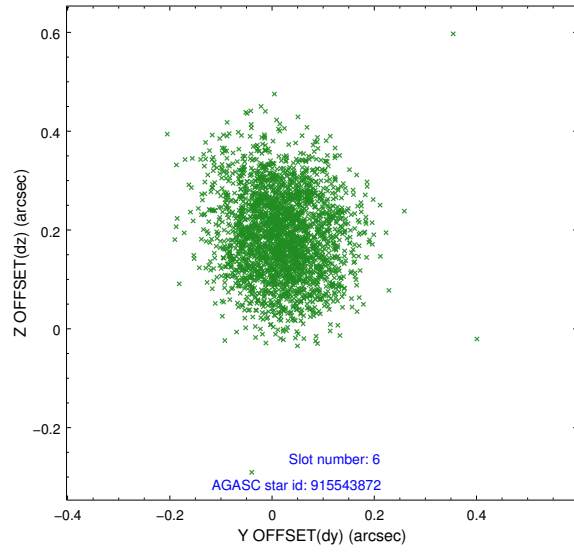
2.4.2 Slot 4



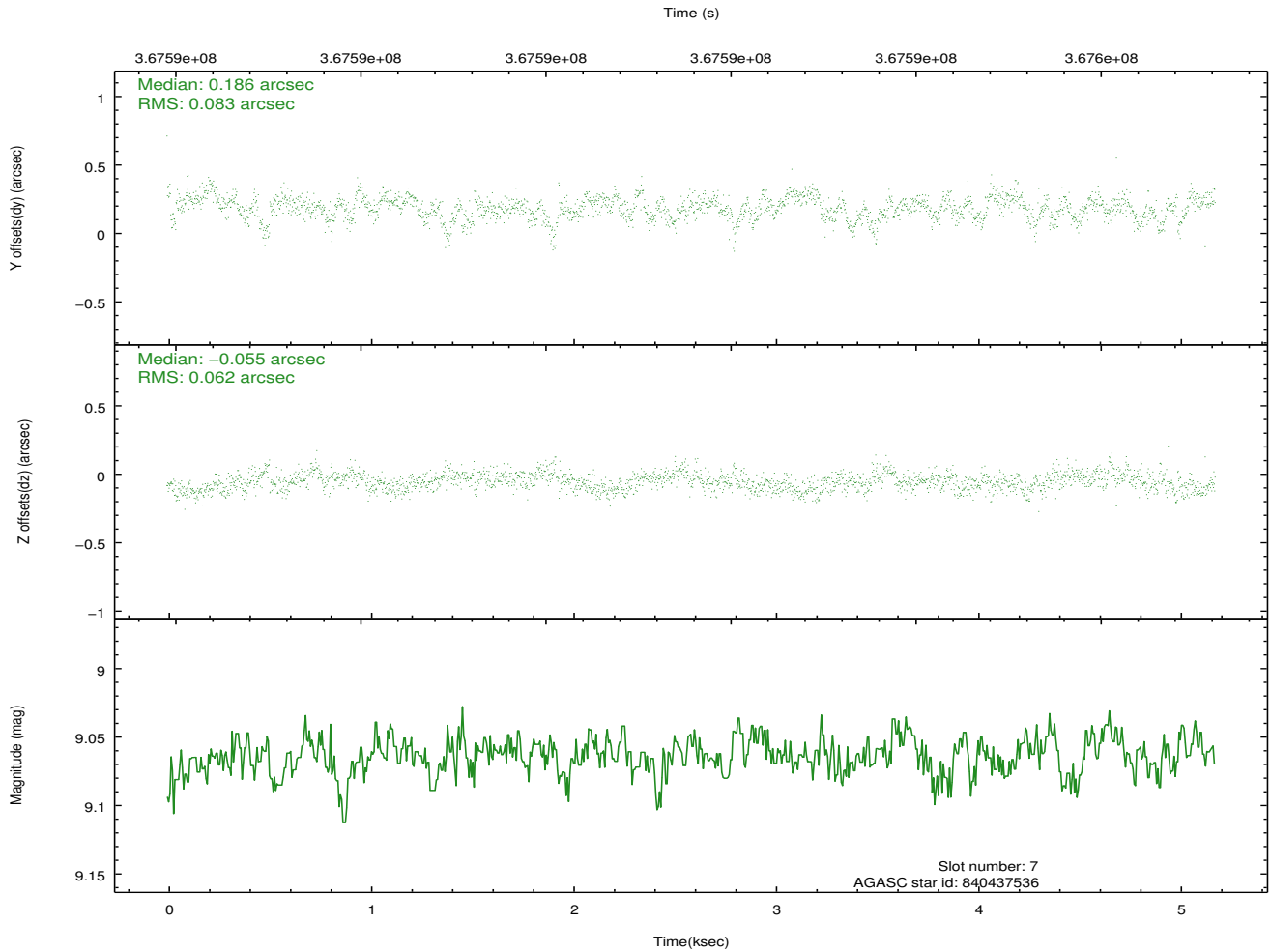
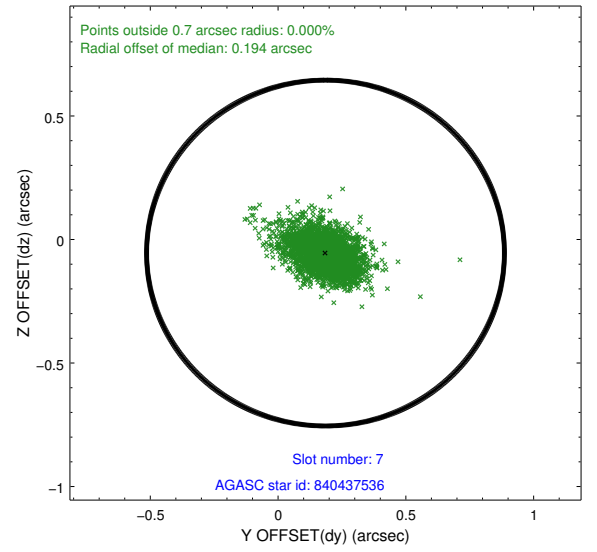
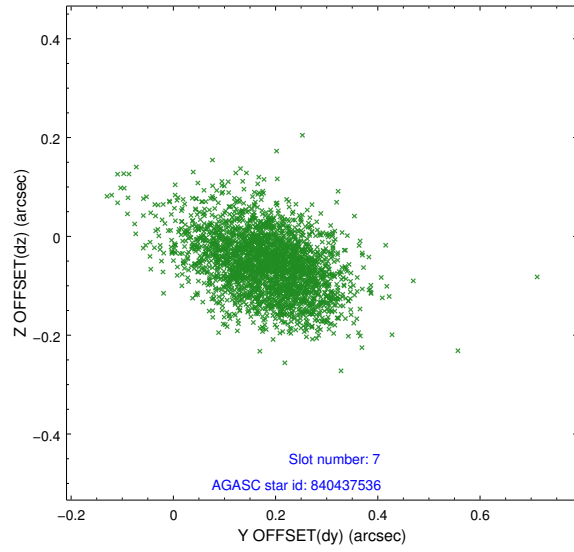
2.4.3 Slot 5



2.4.4 Slot 6

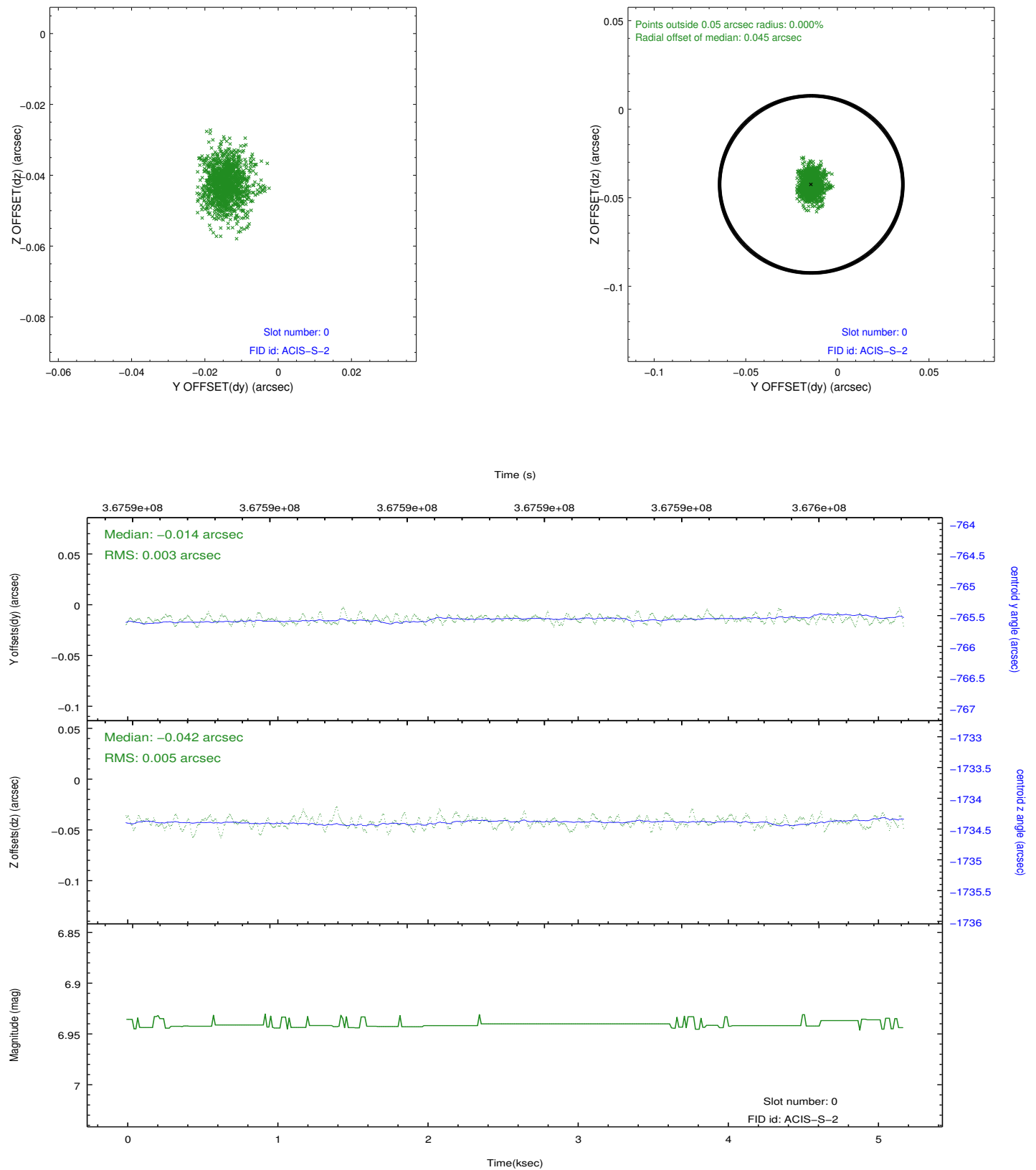


2.4.5 Slot 7

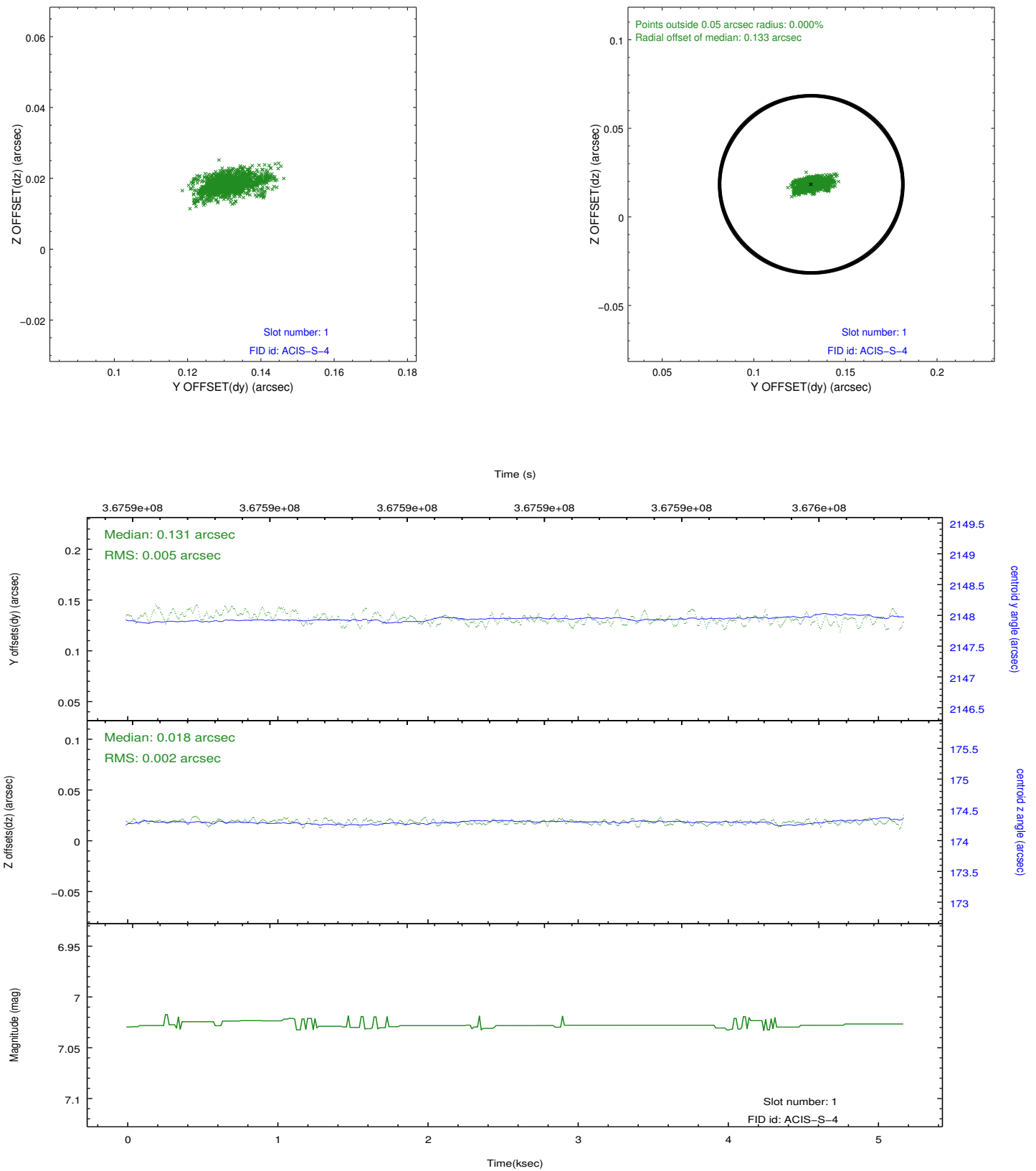


2.5 FID Slots

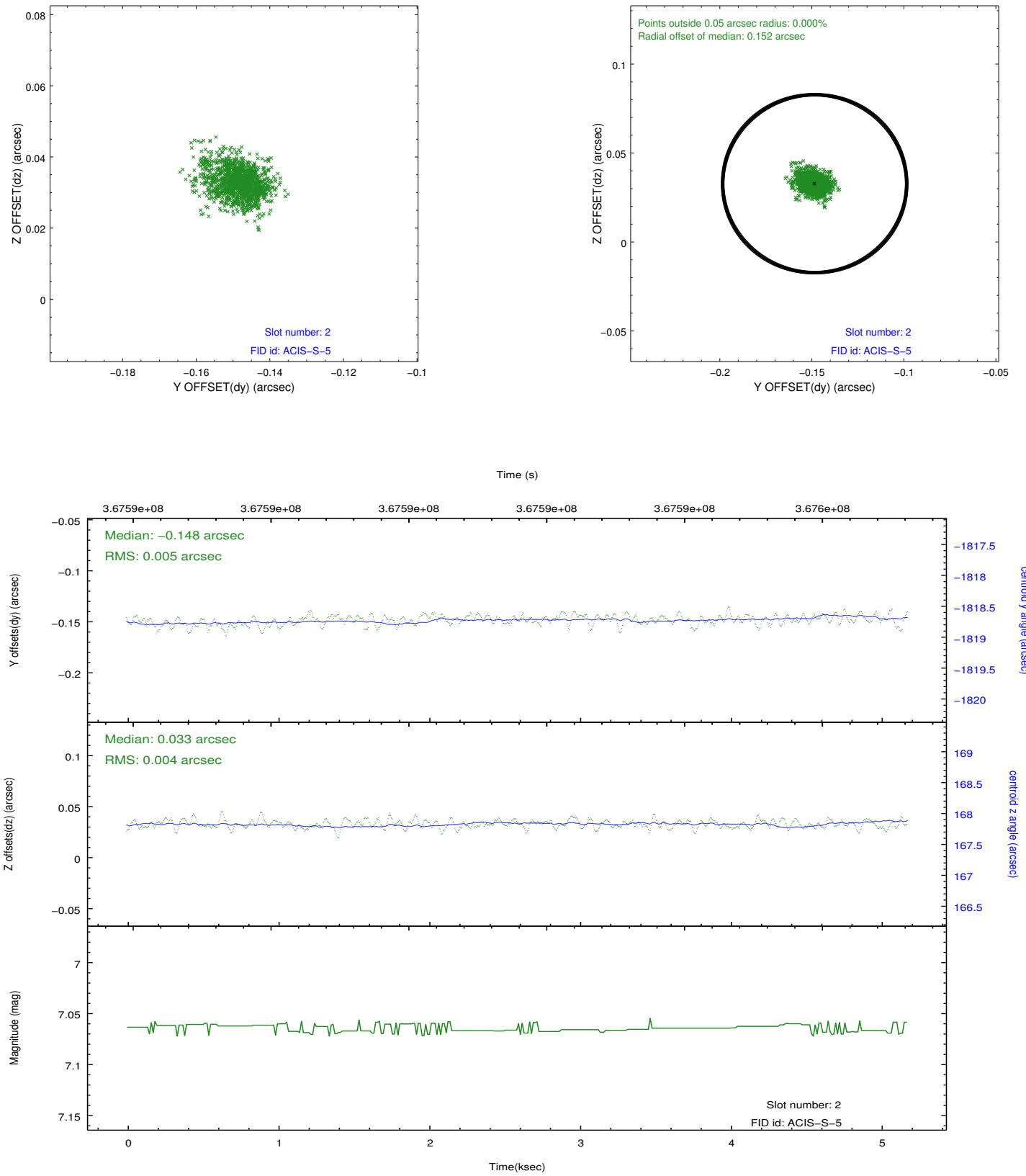
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.7730356448889

A.2 Comments