

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11352 - L2 Version 2
Chandra X-Ray Center

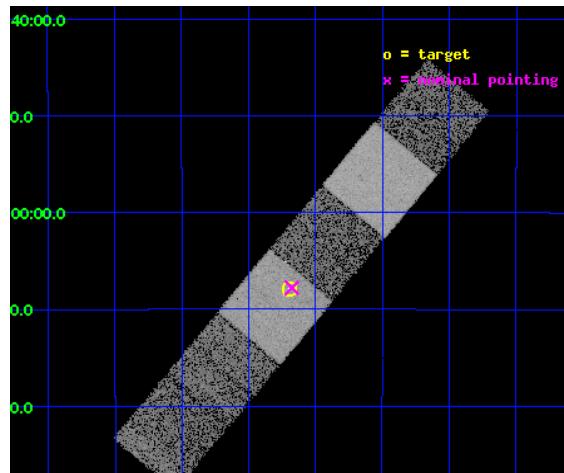
L2 Processing Date : Jun 25 2012

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

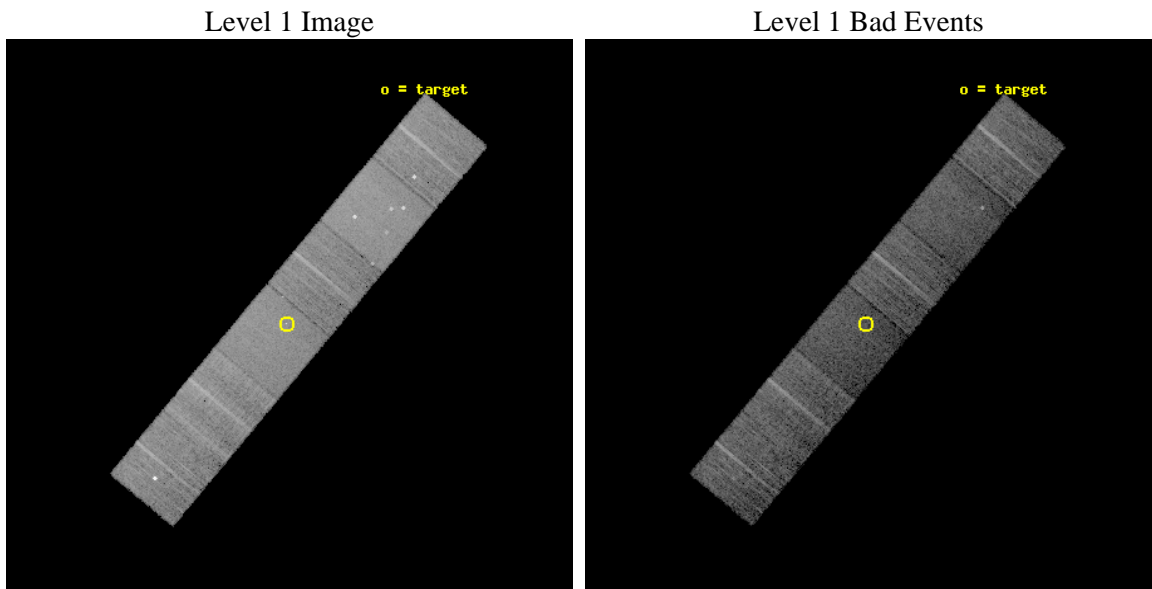
seq_num	600871	Sequence number
obs_id	11352	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	ESO540-014	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	10.299	Observer's specified target RA [deg]
dec_targ	-21.13142	Observer's specified target Dec [deg]
ra_nom	10.294080518694	Nominal RA [deg]
dec_nom	-21.129802333183	Nominal Dec [deg]
roll_nom	129.88672801345	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7942.3999704719	Sum of GTIs [s]
livetime	7841.8285197066	Livetime [s]
ontime4	7942.3999704719	Sum of GTIs [s]
ontime5	7942.3999704719	Sum of GTIs [s]
ontime6	7942.3999704719	Sum of GTIs [s]
ontime7	7942.3999704719	Sum of GTIs [s]
ontime8	7942.3999704719	Sum of GTIs [s]
ontime9	7942.3999704719	Sum of GTIs [s]
l2events	100042	Number of level 2 events



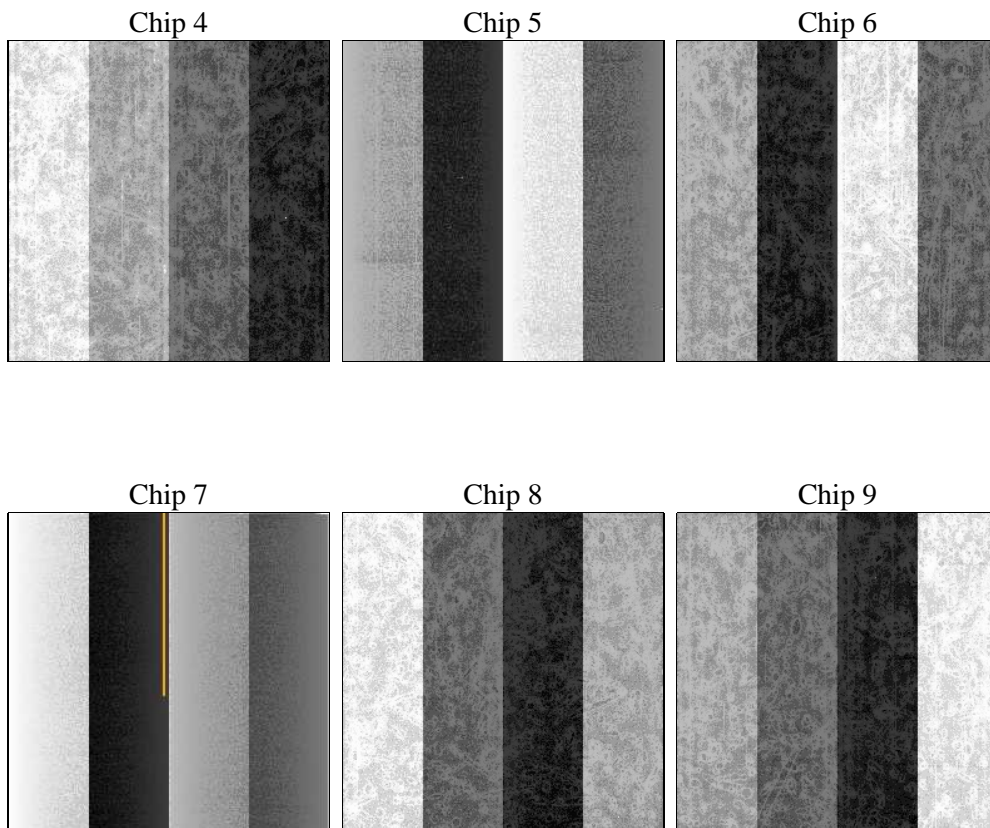
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7900.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7942.3999704719	Sum of GTIs [s]
caldsver	4.4.10	 	ontime4	7942.3999704719	Sum of GTIs [s]
date	2012-06-26T00:27:05	Date and time of file creation	ontime5	7942.3999704719	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7942.3999704719	Sum of GTIs [s]
			ontime7	7942.3999704719	Sum of GTIs [s]
			ontime8	7942.3999704719	Sum of GTIs [s]
			ontime9	7942.3999704719	Sum of GTIs [s]
			l1events	447381	Number of level 1 events

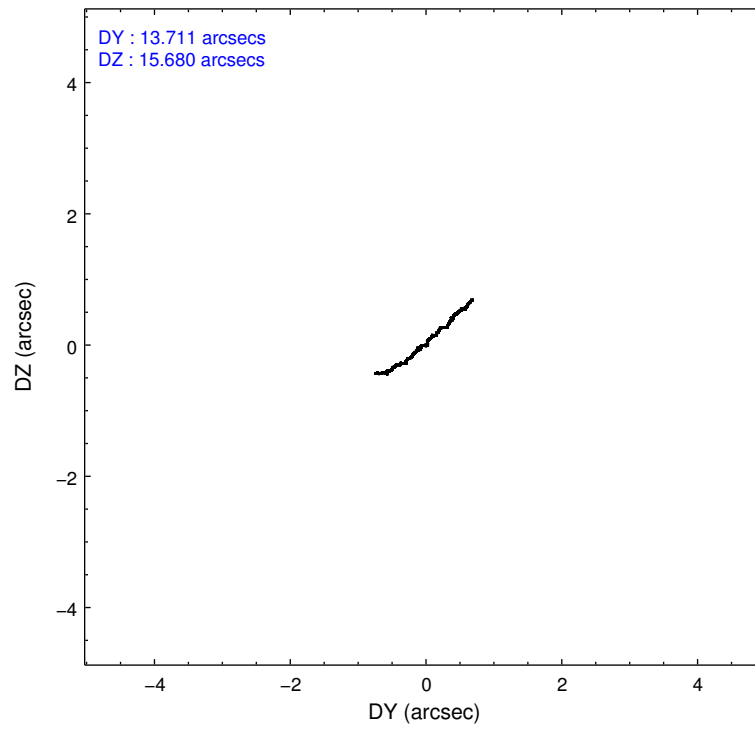
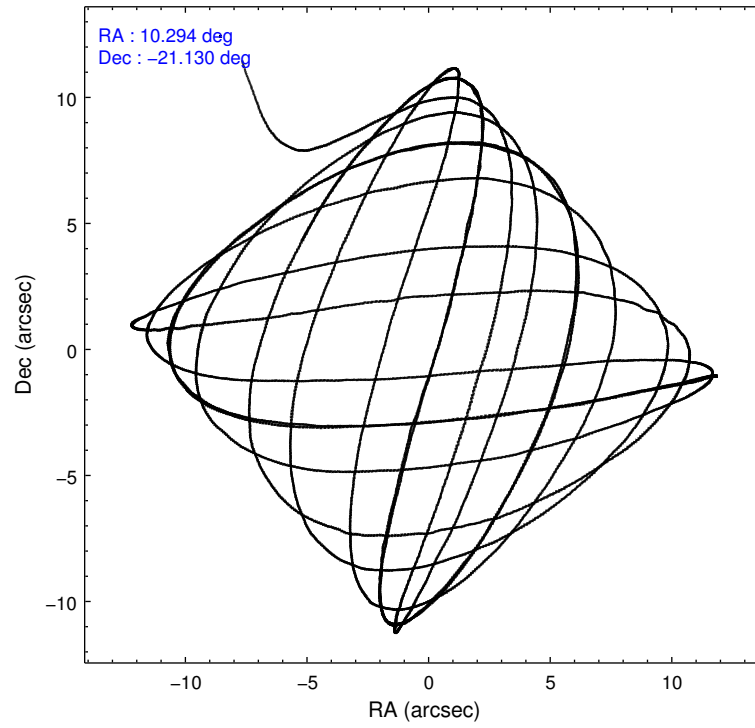
2.1.4 Events

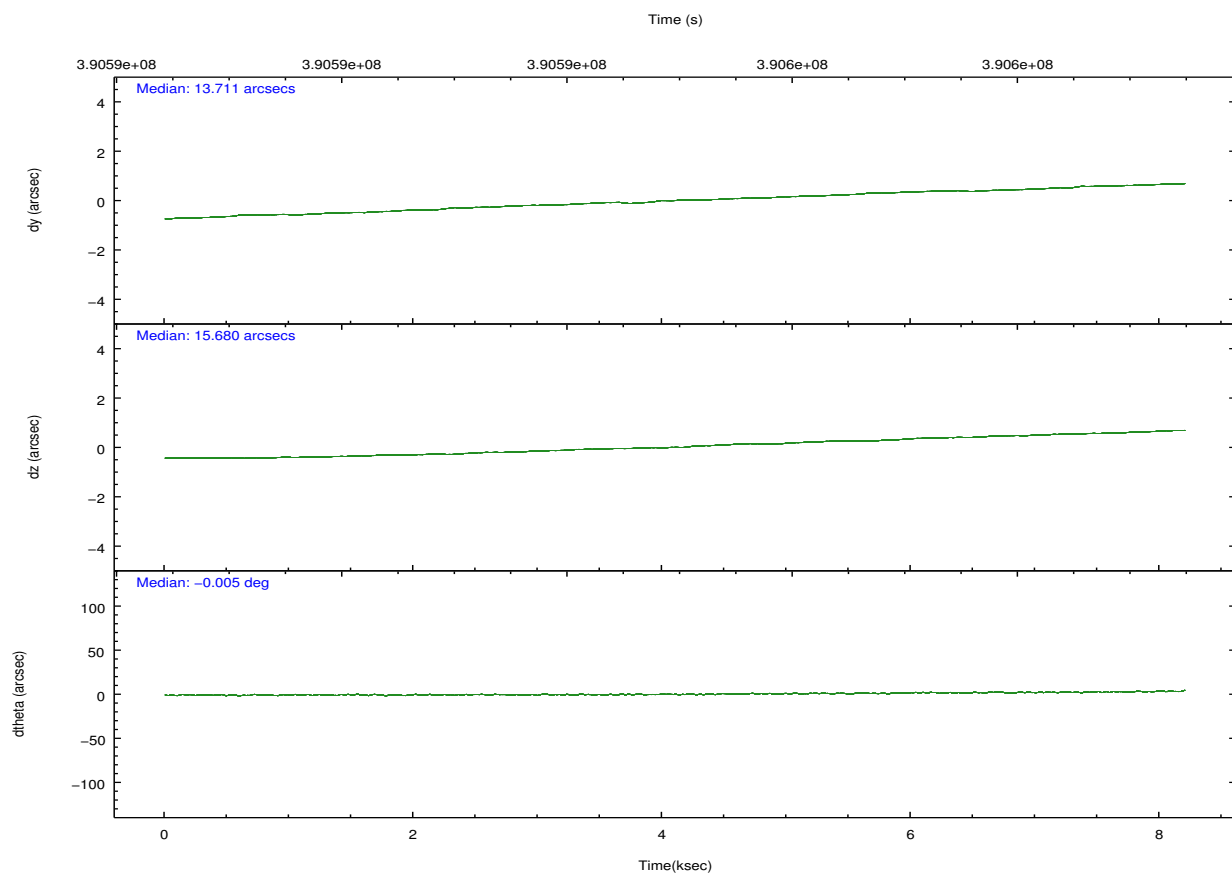
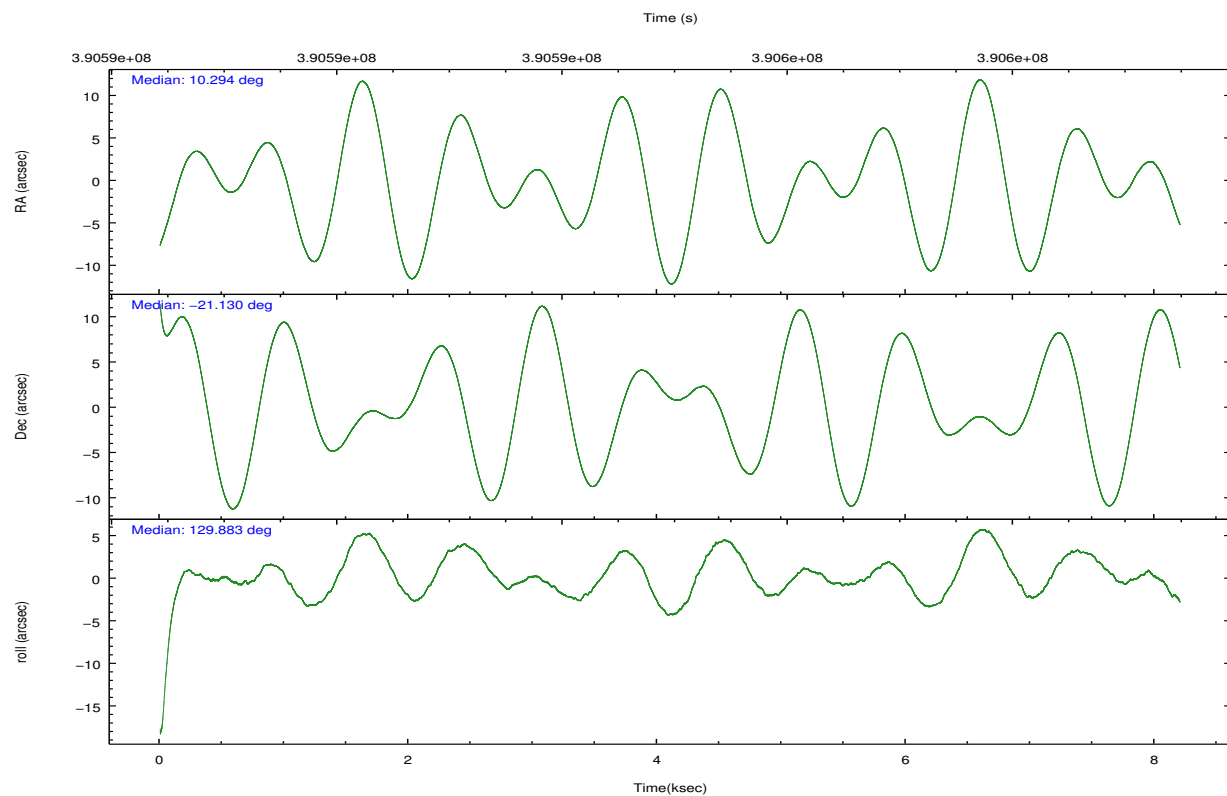
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	73440	94209	62175	73446	78818	65293	grade 0 events	4509	5636	2405	3187	6227	5024
rejected events	64459	46610	55333	39428	58109	53363		6%	5%	3%	4%	7%	7%
rejected %	87%	49%	88%	53%	73%	81%	grade 1 events	62	174	31	98	75	43
								0%	0%	0%	0%	0%	0%
							grade 2 events	1777	14919	1529	7152	4857	3833
								2%	15%	2%	9%	6%	5%
							grade 3 events	758	1743	770	3015	2096	785
								1%	1%	1%	4%	2%	1%
							grade 4 events	743	1647	715	3054	1984	802
								1%	1%	1%	4%	2%	1%
							grade 5 events	2749	7174	2678	7677	3911	3037
								3%	7%	4%	10%	4%	4%
							grade 6 events	1203	23692	1428	17636	5557	1494
								1%	25%	2%	24%	7%	2%
							grade 7 events	61639	39224	52619	31627	54111	50275
								83%	41%	84%	43%	68%	76%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	10.321725	10.29408051869402	CCD I2 on	N	N
[deg] Pointing Dec	-21.138940	-21.1298023331833	CCD I3 on	N	N
[deg] Pointing Roll	129.740090	129.8867280134486	CCD S0 on	O1	Y
[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)	390591158.184000	390590081.94042	CCD S5 on	O2	Y
Observation start date	2010-05-18T17:31:32	2010-05-18T17:14:41	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	390599058.184000	390600010.60343	On-chip summing requested	N	N
Observation end date	2010-05-18T19:43:12	2010-05-18T20:00:10	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



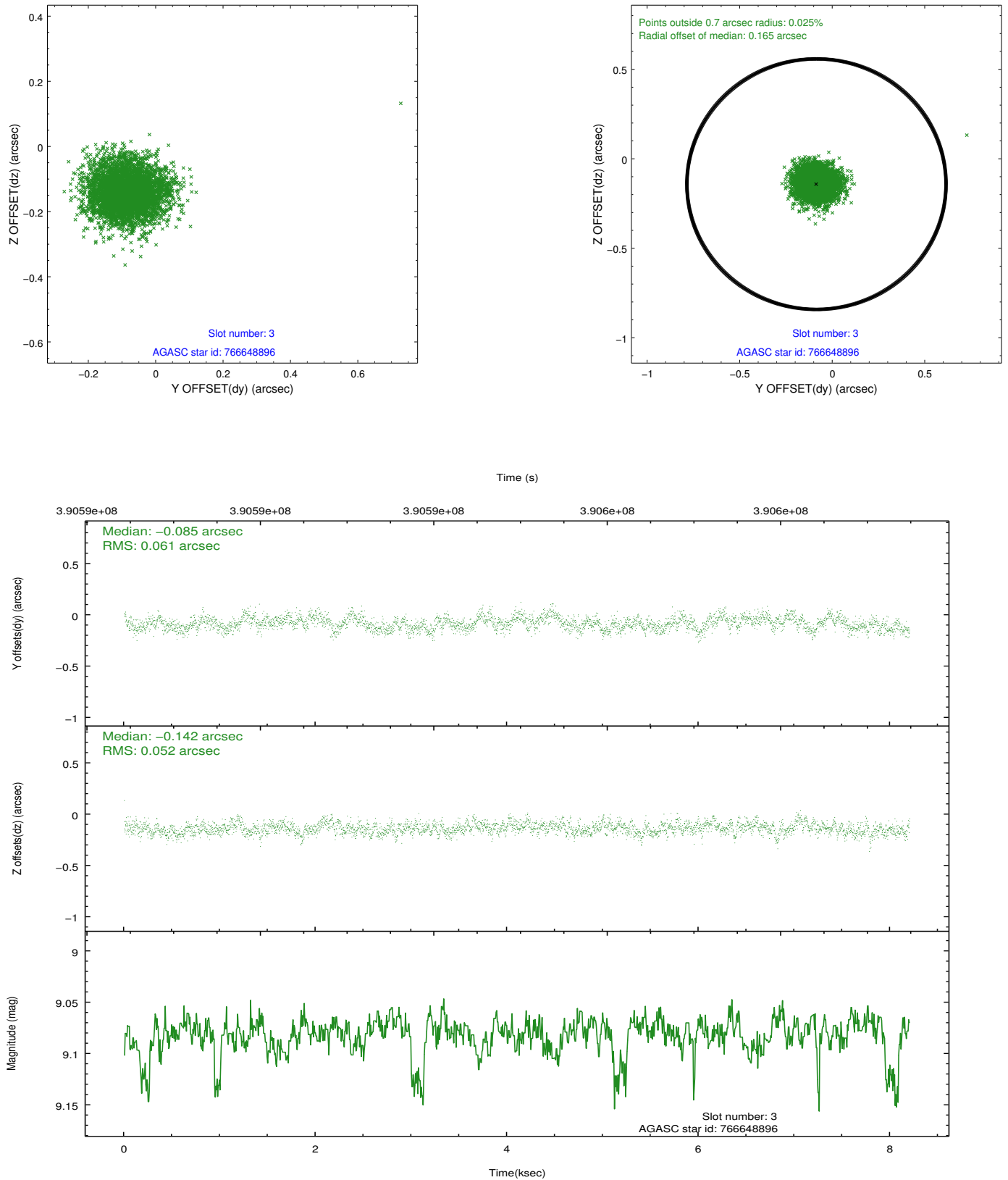


Slot Statistics

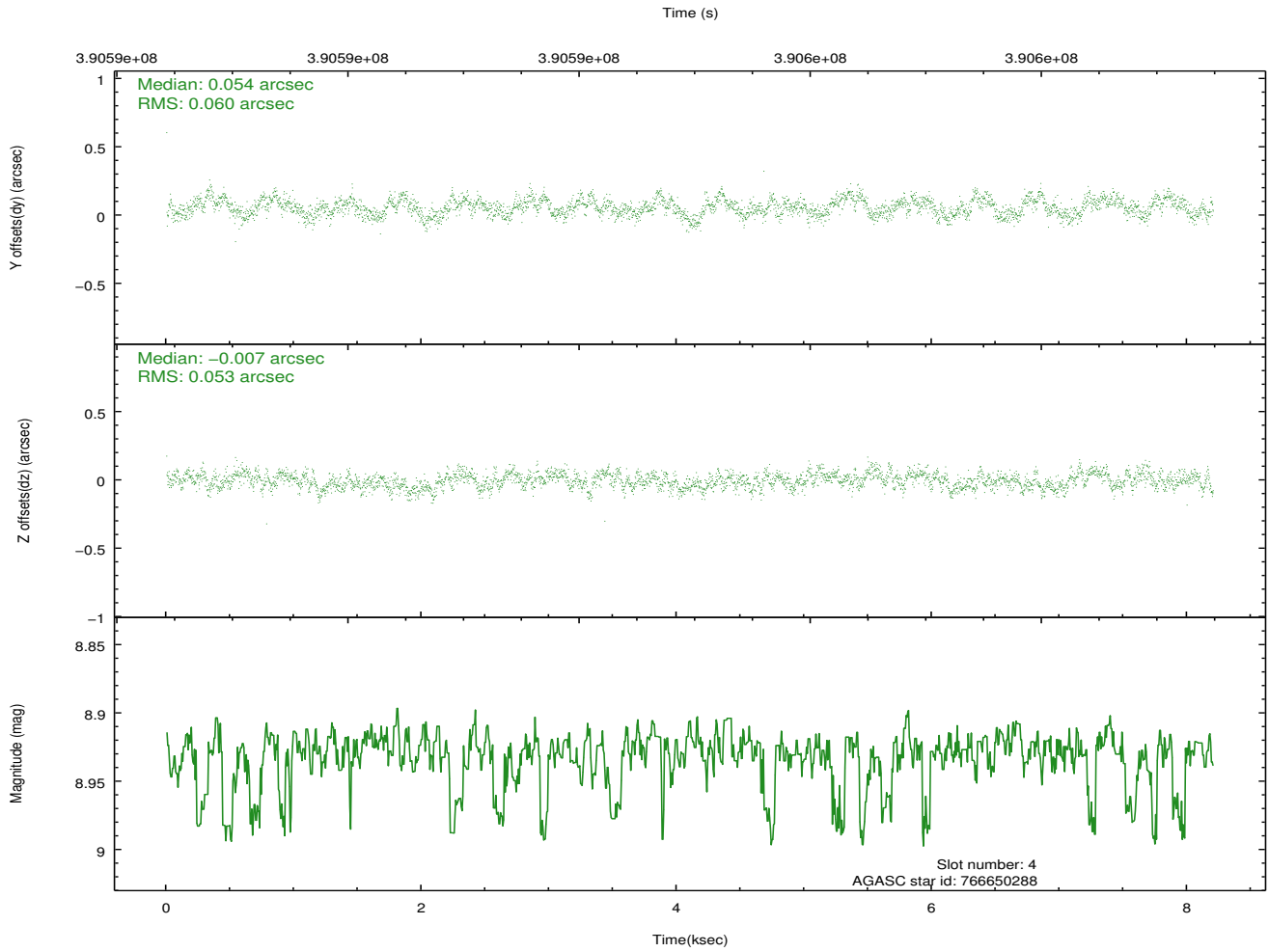
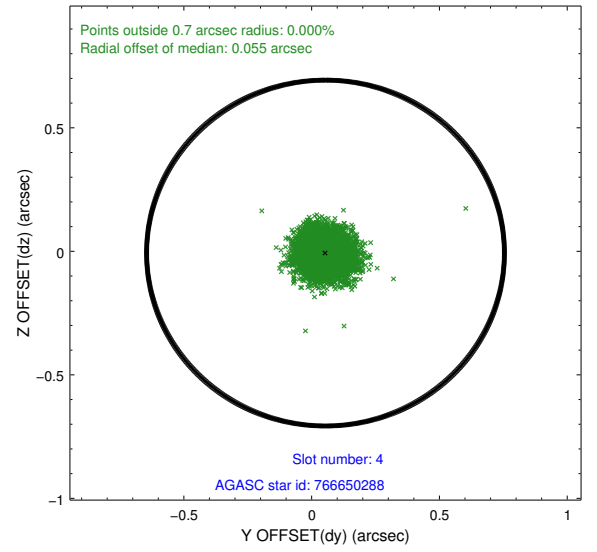
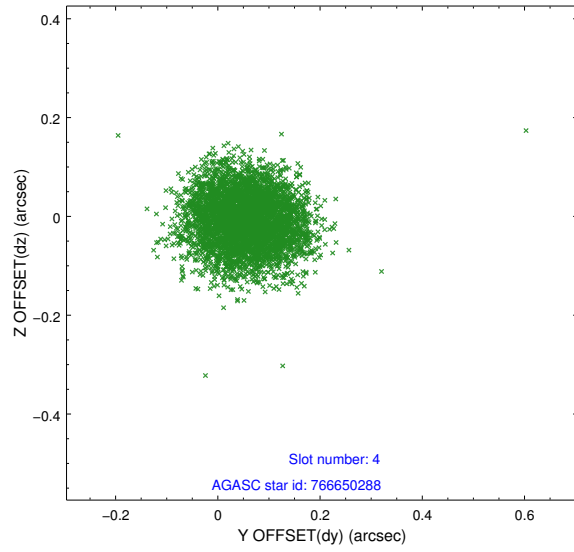
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	2001	-0.054	-0.015	0.011	0.016	0.000000	0.000000	-766.67	-1737.10
1	FID	ACIS-S-4	6.97	2000	0.176	0.030	0.020	0.032	0.000000	0.000000	2146.51	170.75
2	FID	ACIS-S-5	6.99	2001	-0.153	-0.007	0.013	0.023	0.000000	0.000000	-1818.75	165.12
3	GUIDE	766648896	9.08	4000	-0.085	-0.142	0.085	0.137	9.688838	-21.040109	1629.57	1410.69
4	GUIDE	766650288	8.93	4002	0.054	-0.007	0.087	0.133	9.560562	-21.194130	1475.93	2096.19
5	GUIDE	766650688	7.14	4000	-0.107	0.203	0.071	0.120	10.374072	-20.299617	2210.81	-2066.52
6	GUIDE	766653208	9.43	4000	-0.053	0.016	0.141	0.218	10.947629	-21.070490	-1157.39	-1772.01
7	GUIDE	766658600	8.55	3995	0.188	-0.066	0.075	0.124	10.710366	-21.658462	-2270.91	196.43

2.4 Star Slots

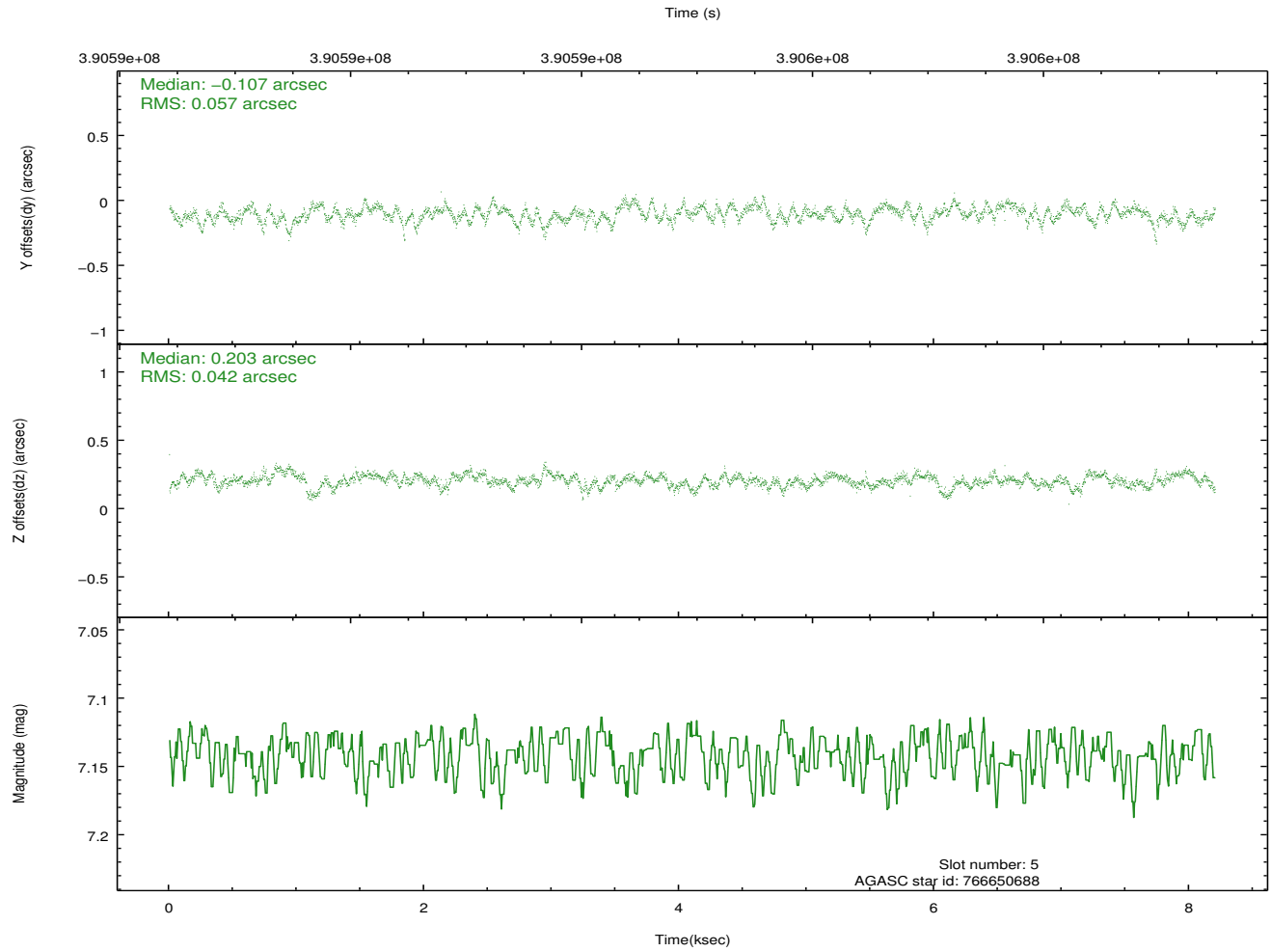
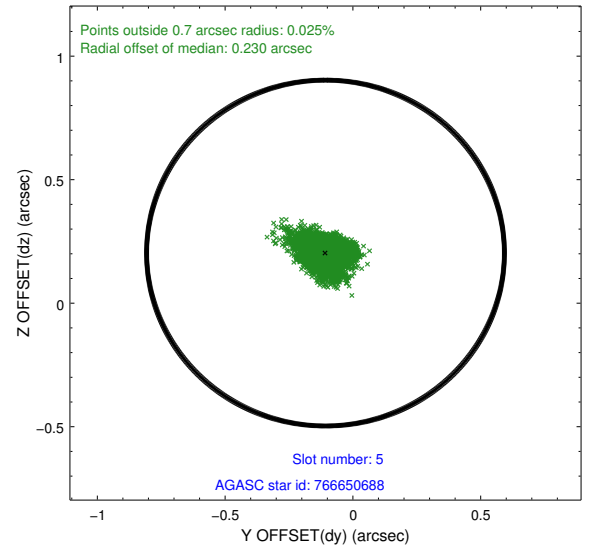
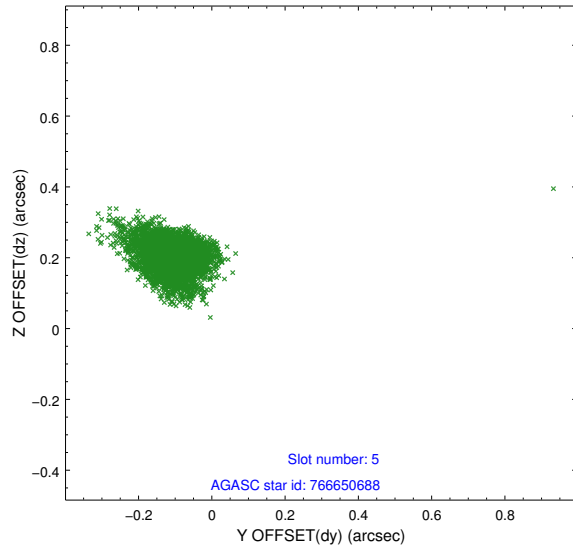
2.4.1 Slot 3



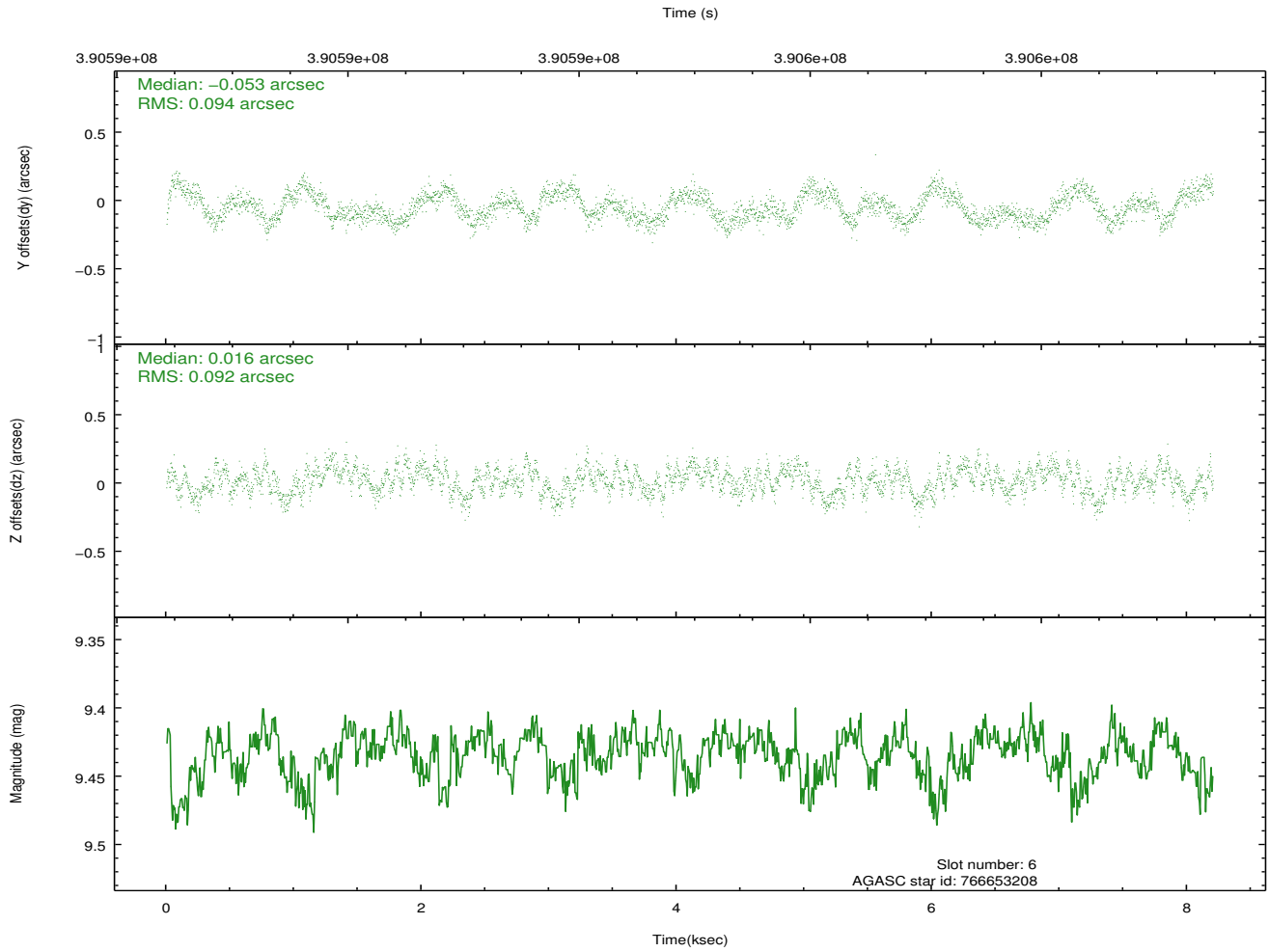
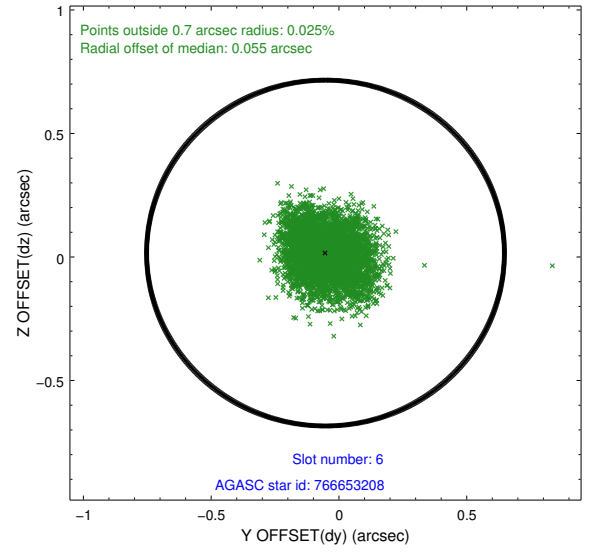
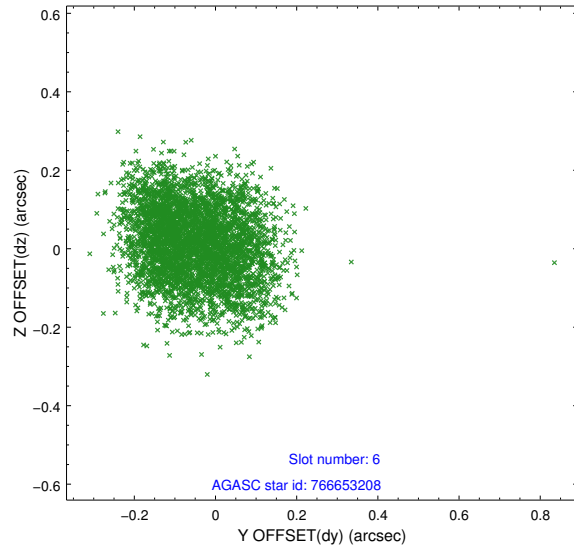
2.4.2 Slot 4



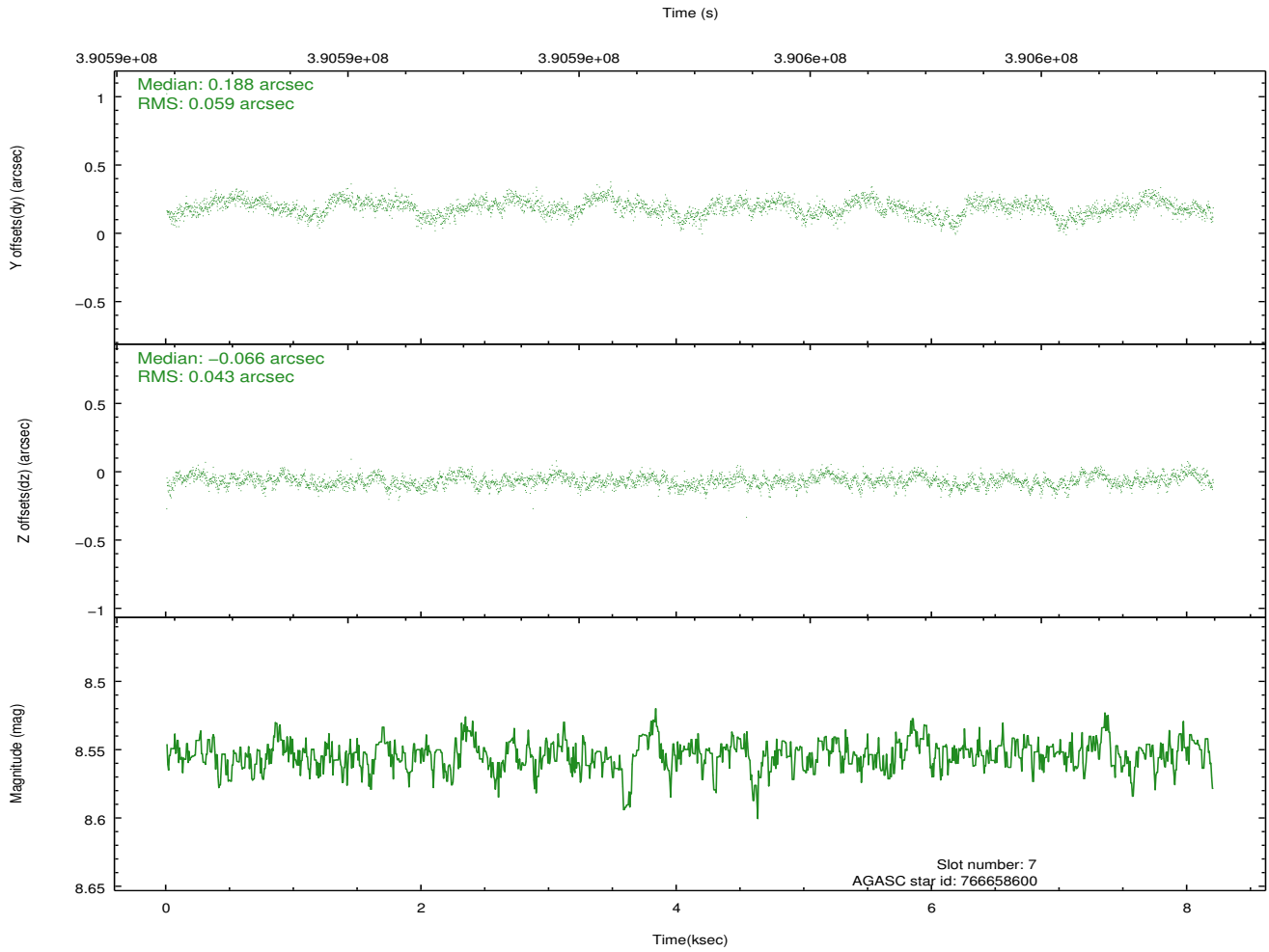
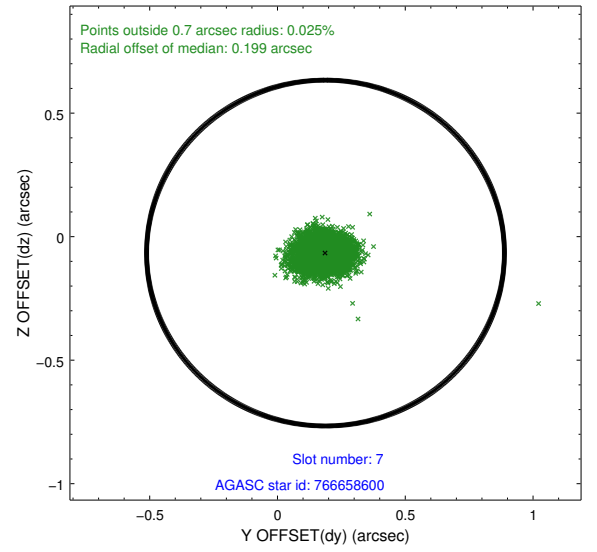
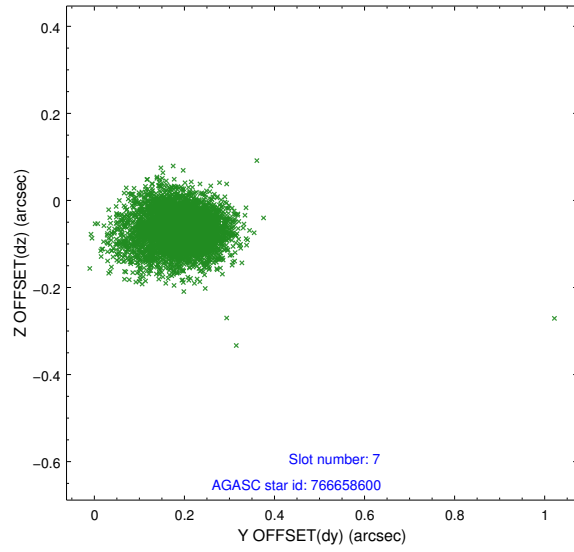
2.4.3 Slot 5



2.4.4 Slot 6

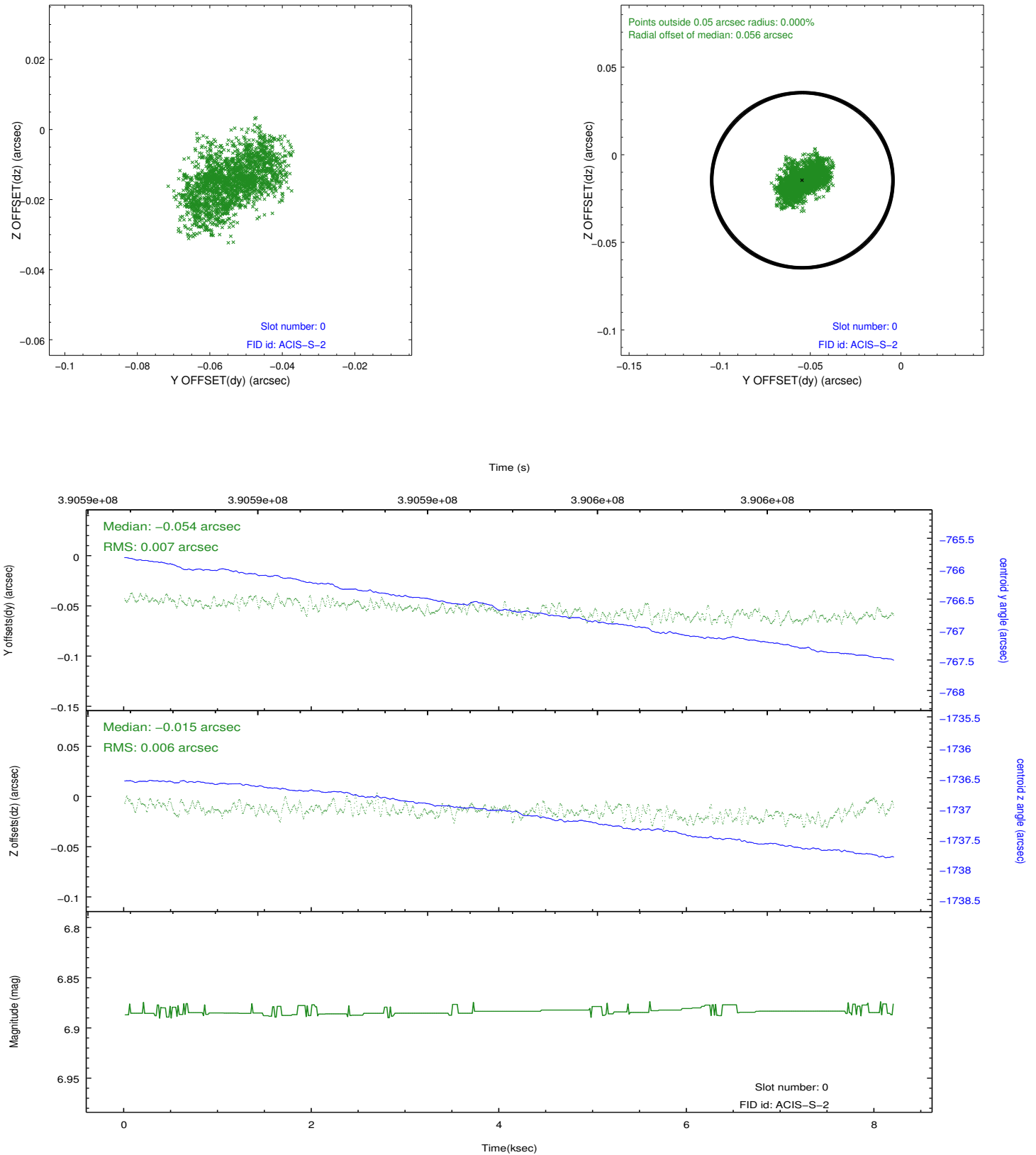


2.4.5 Slot 7

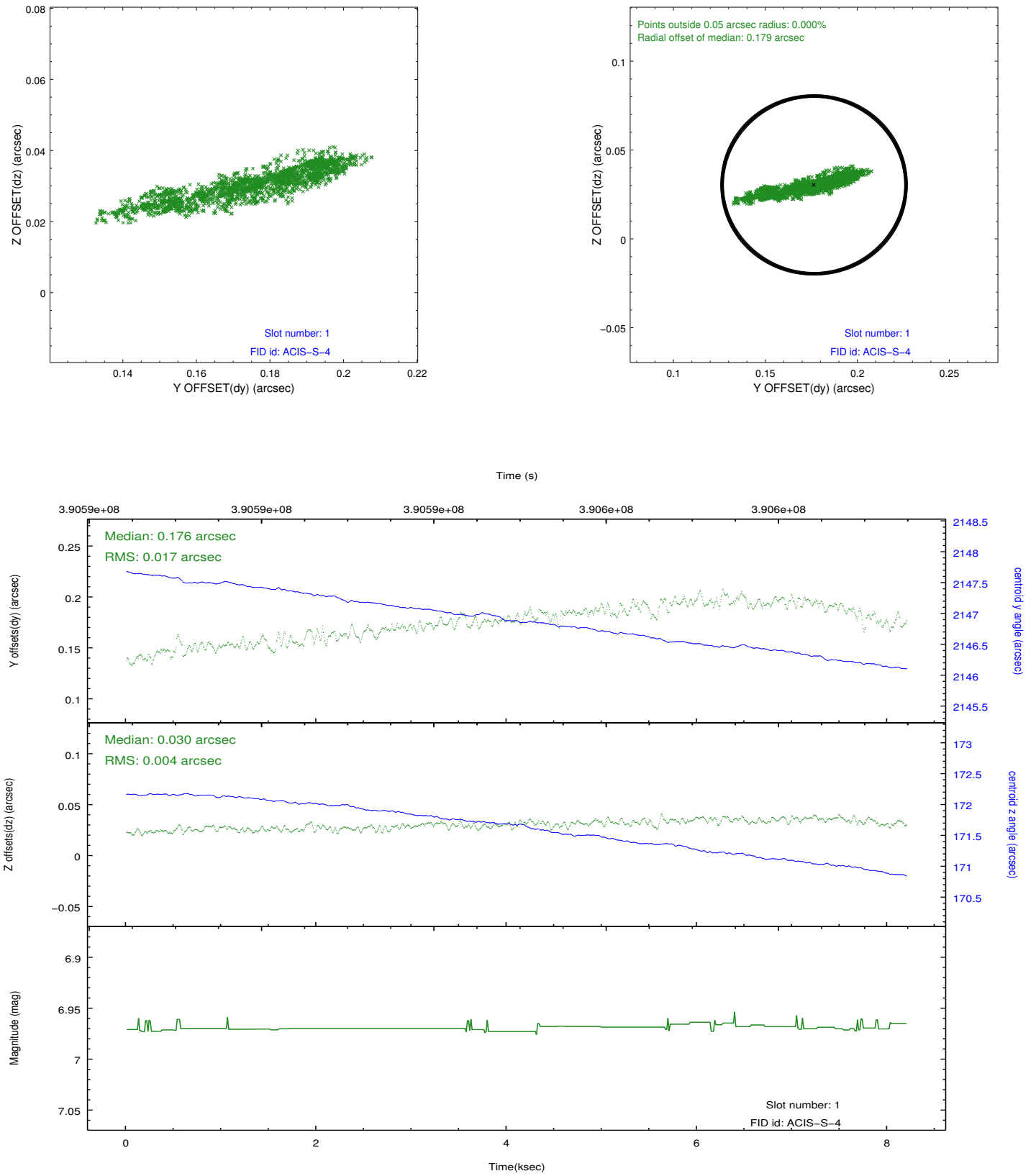


2.5 FID Slots

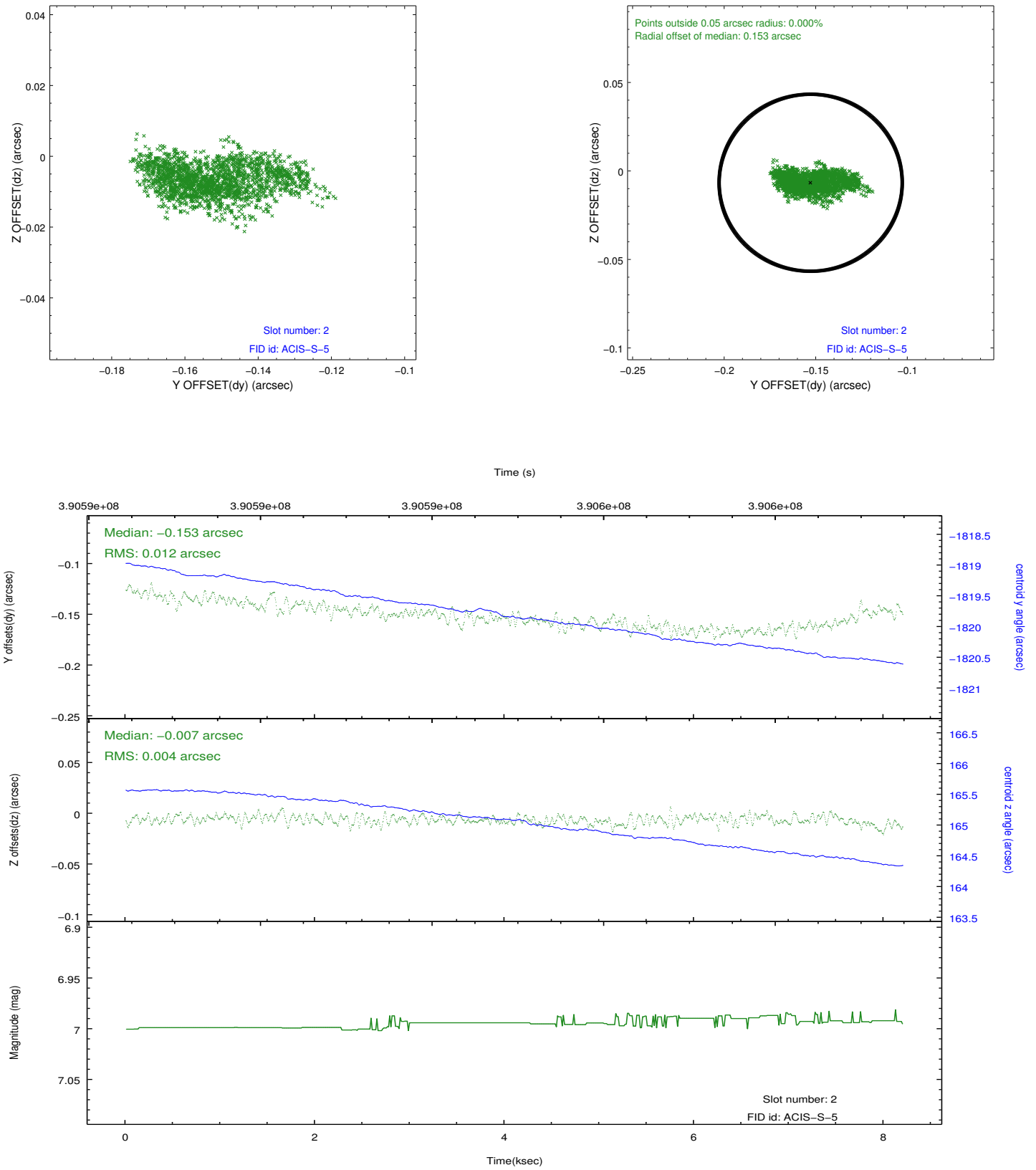
2.5.1 Slot 0



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)	2012.07.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.9423999704719

A.2 Comments