

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10387 - L2 Version 2
Chandra X-Ray Center

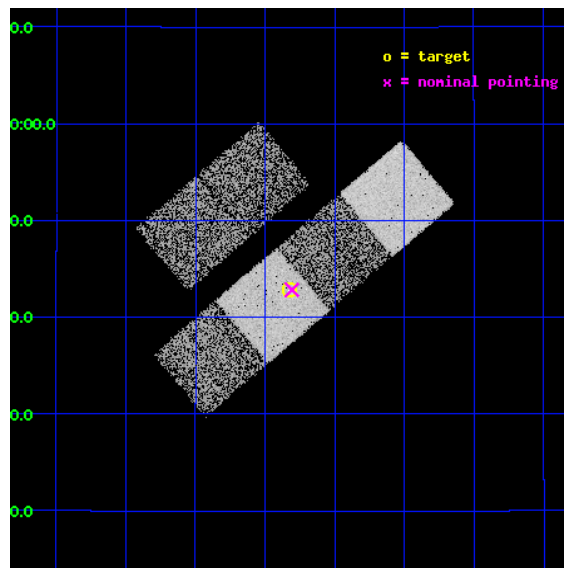
L2 Processing Date : Jun 11 2012

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

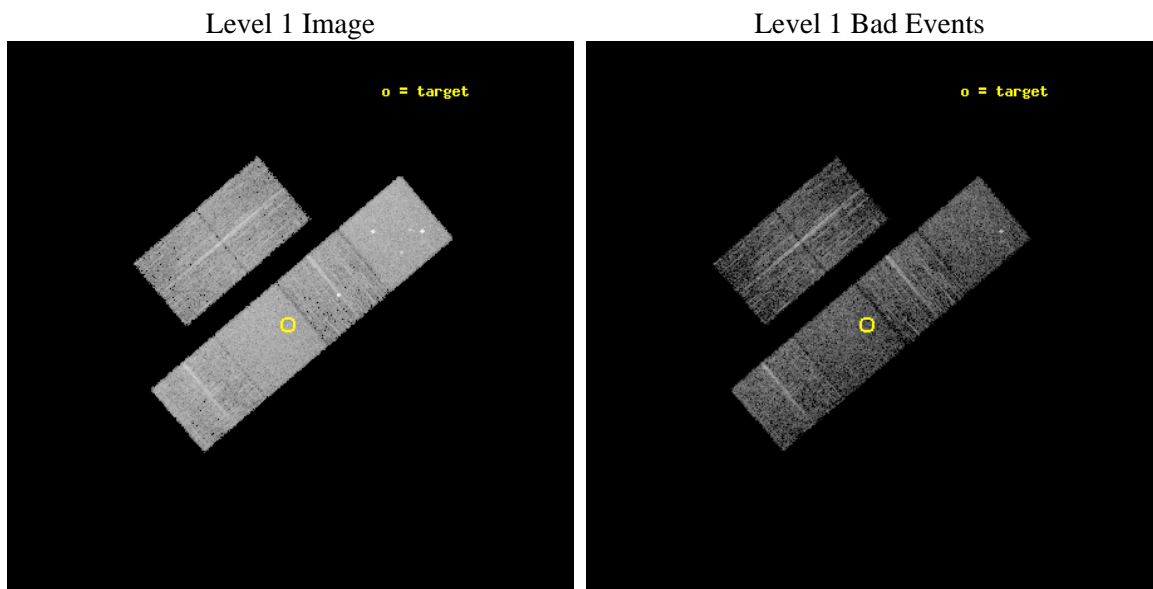
seq_num	701930	Sequence number
obs_id	10387	Observation id
title	Chandra X-ray Scrutiny of New Radio-Shy BL Lac Candidates	Proposal
observer	Dr. Scott Anderson	Principal investigator
object	SDSS J224749.55+134248.2	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	341.956667	Observer's specified target RA [deg]
dec_targ	13.713389	Observer's specified target Dec [deg]
ra_nom	341.95187322272	Nominal RA [deg]
dec_nom	13.714069917217	Nominal Dec [deg]
roll_nom	139.64922653011	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3366.3999875188	Sum of GTIs [s]
livetime	3323.7726038741	Livetime [s]
ontime2	3366.3999875188	Sum of GTIs [s]
ontime3	3366.3999875188	Sum of GTIs [s]
ontime5	3366.3999875188	Sum of GTIs [s]
ontime6	3366.3999875188	Sum of GTIs [s]
ontime7	3366.3999875188	Sum of GTIs [s]
ontime8	3366.3999875188	Sum of GTIs [s]
l2events	57545	Number of level 2 events



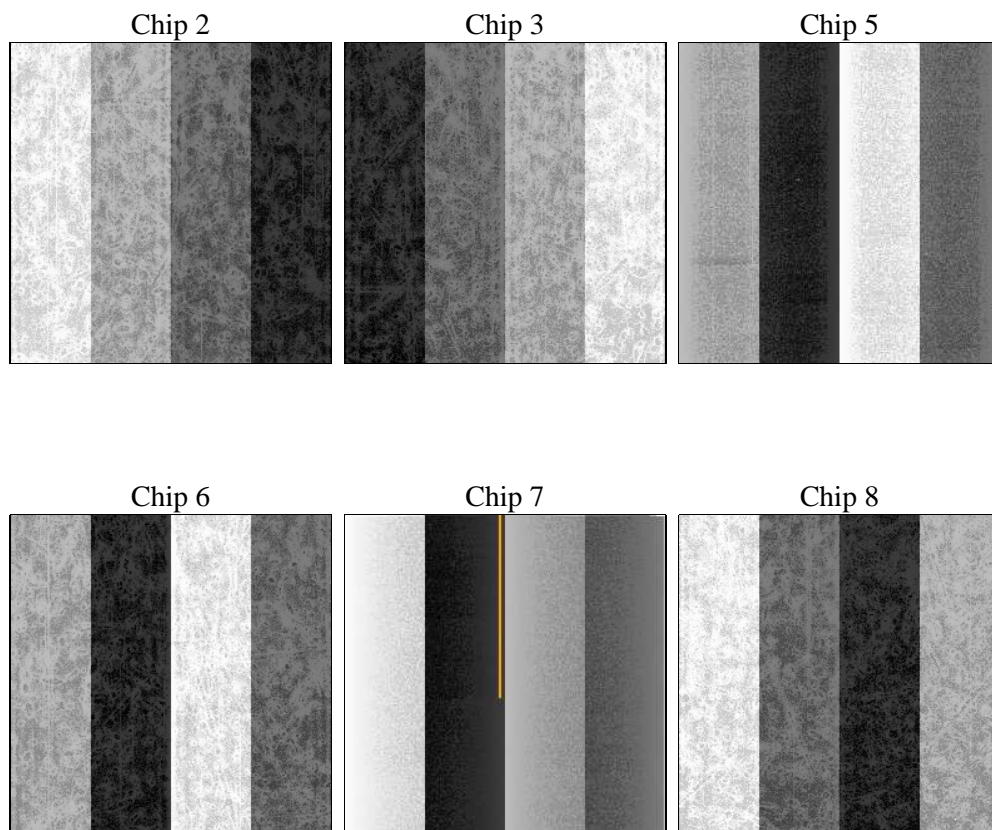
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3366.3999875188	Sum of GTIs [s]
caldbver	4.4.10	 	ontime2	3366.3999875188	Sum of GTIs [s]
date	2012-06-11T14:00:53	Date and time of file creation	ontime3	3366.3999875188	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3366.3999875188	Sum of GTIs [s]
			ontime6	3366.3999875188	Sum of GTIs [s]
			ontime7	3366.3999875188	Sum of GTIs [s]
			ontime8	3366.3999875188	Sum of GTIs [s]
			l1events	311386	Number of level 1 events

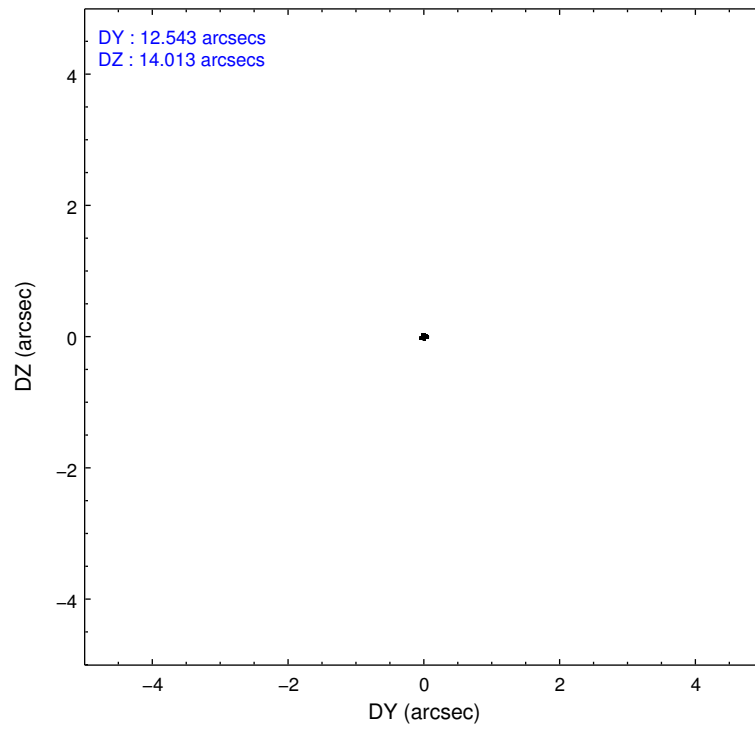
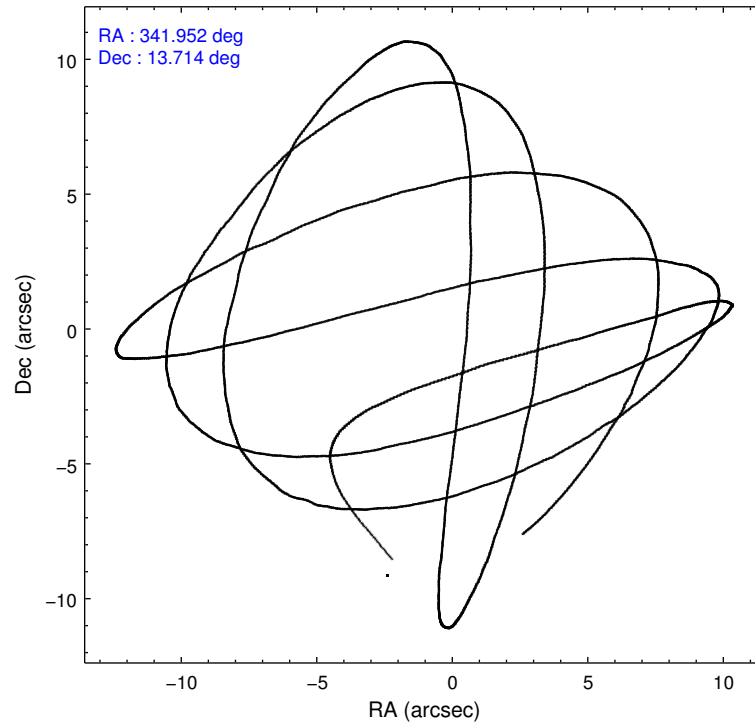
2.1.4 Events

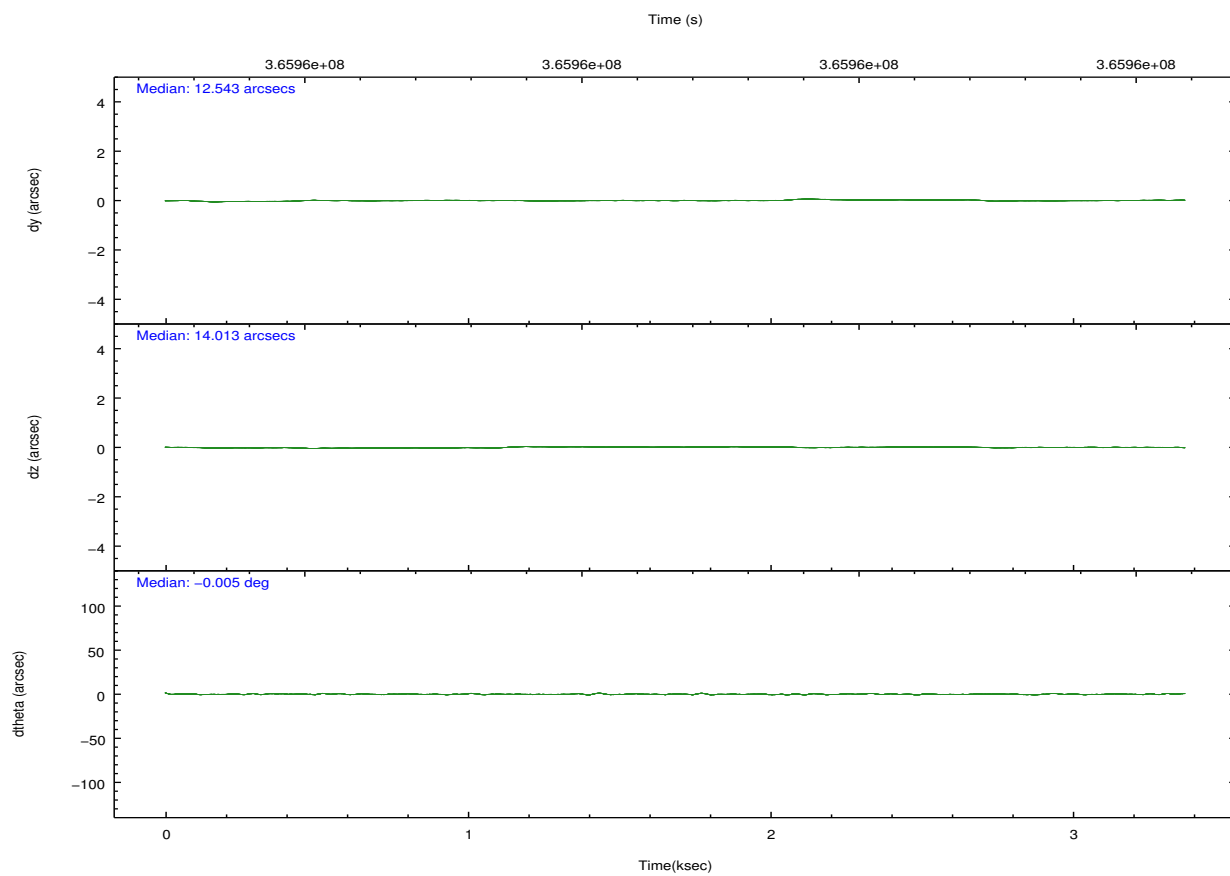
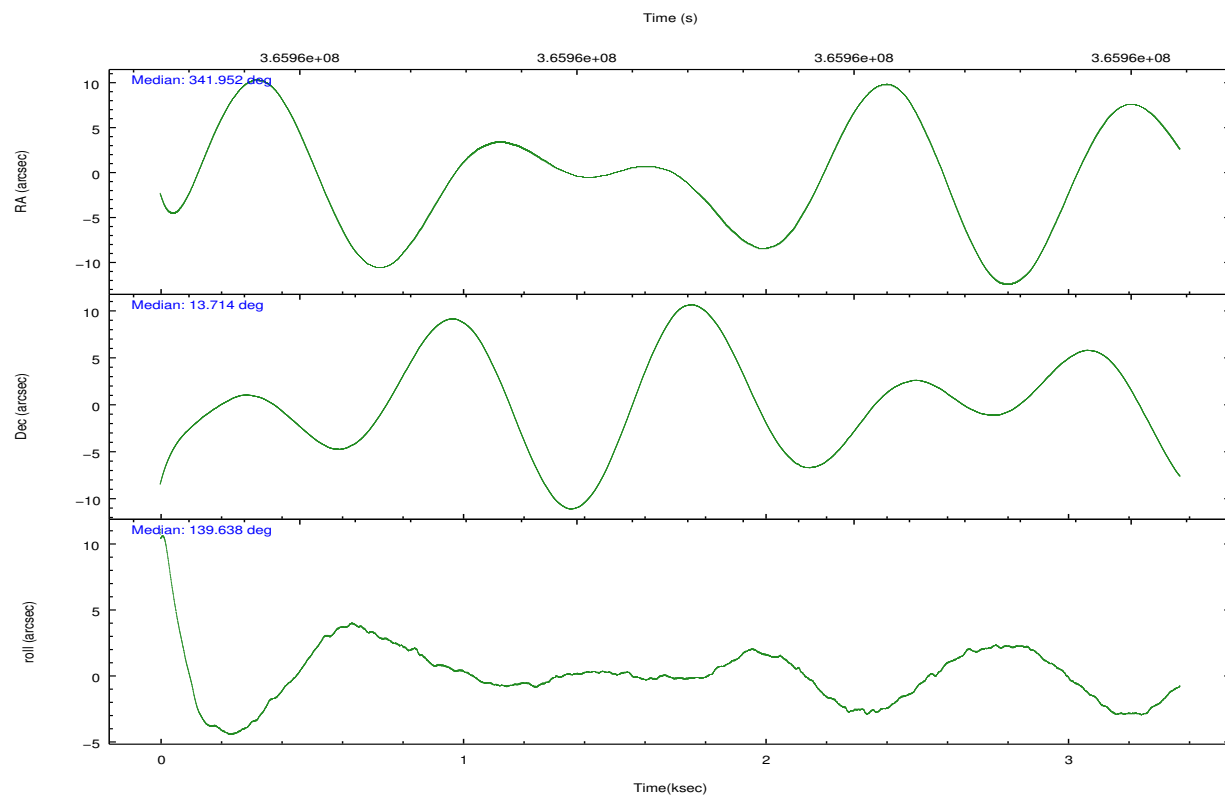
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	43037	41704	68312	45200	59659	53474	grade 0 events	2122	2235	3537	3080	1998	3997
rejected events	38970	37520	42717	40099	39817	43314		4%	5%	5%	6%	3%	7%
rejected %	90%	89%	62%	88%	66%	81%	grade 1 events	34	24	519	25	64	37
								0%	0%	0%	0%	0%	0%
							grade 2 events	1135	1057	9907	1237	5209	2995
								2%	2%	14%	2%	8%	5%
							grade 3 events	461	492	984	463	2051	1223
								1%	1%	1%	1%	3%	2%
							grade 4 events	472	496	897	492	2047	1100
								1%	1%	1%	1%	3%	2%
							grade 5 events	1762	2046	4478	2023	5608	2761
								4%	4%	6%	4%	9%	5%
							grade 6 events	859	934	16304	1051	13269	3164
								1%	2%	23%	2%	22%	5%
							grade 7 events	36192	34420	31686	36829	29413	38197
								84%	82%	46%	81%	49%	71%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	341.979482	341.9518732227194	CCD I2 on	O1	Y
[deg] Pointing Dec	13.709573	13.71406991721679	CCD I3 on	O2	Y
[deg] Pointing Roll	139.486008	139.6492265301052	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	365954823.184000	365953351.8708	CCD S5 on	N	N
Observation start date	2009-08-06T14:05:57	2009-08-06T13:42:31	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	365958023.184000	365958265.20855	On-chip summing requested	N	N
Observation end date	2009-08-06T14:59:17	2009-08-06T15:04:25	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



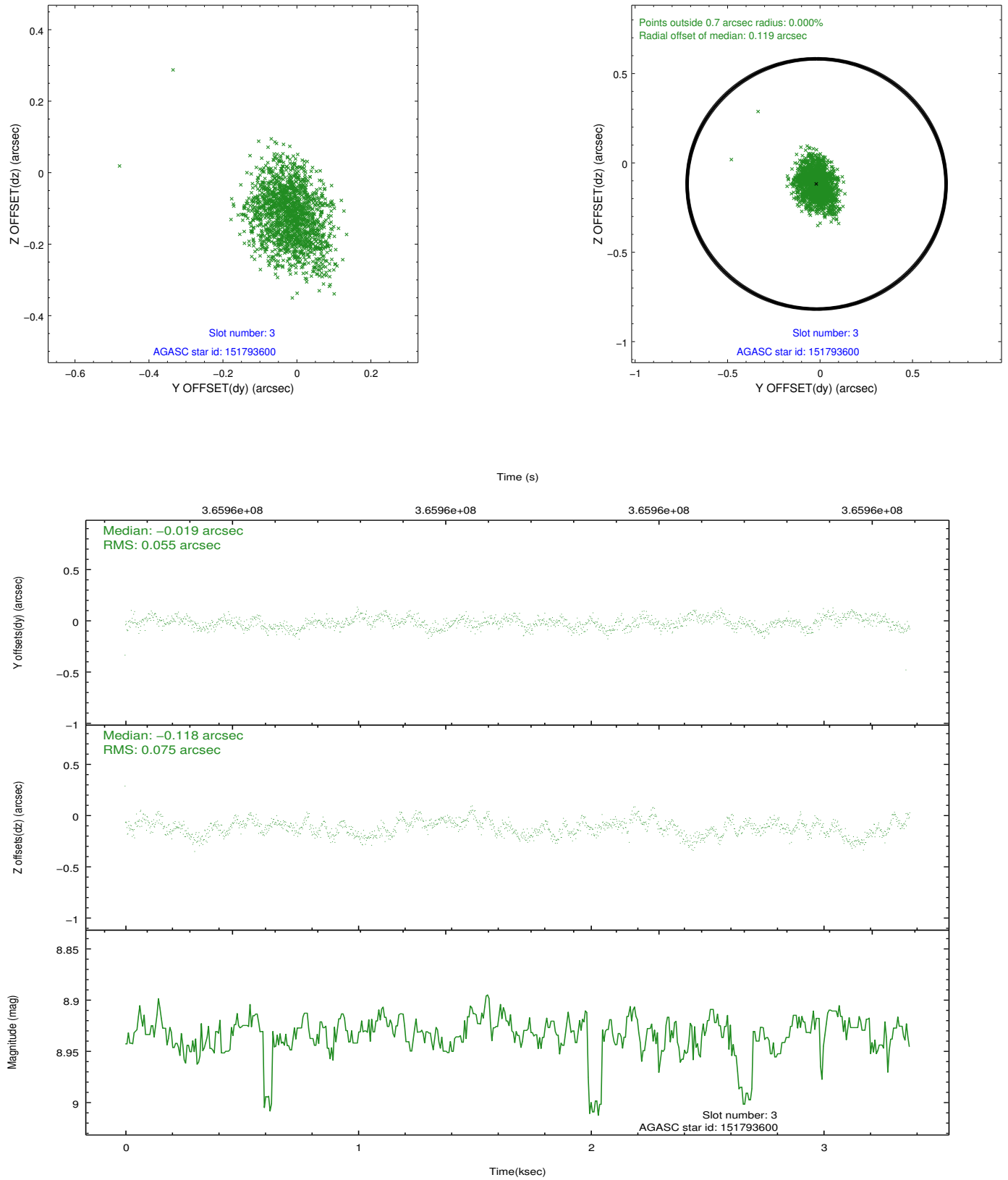


Slot Statistics

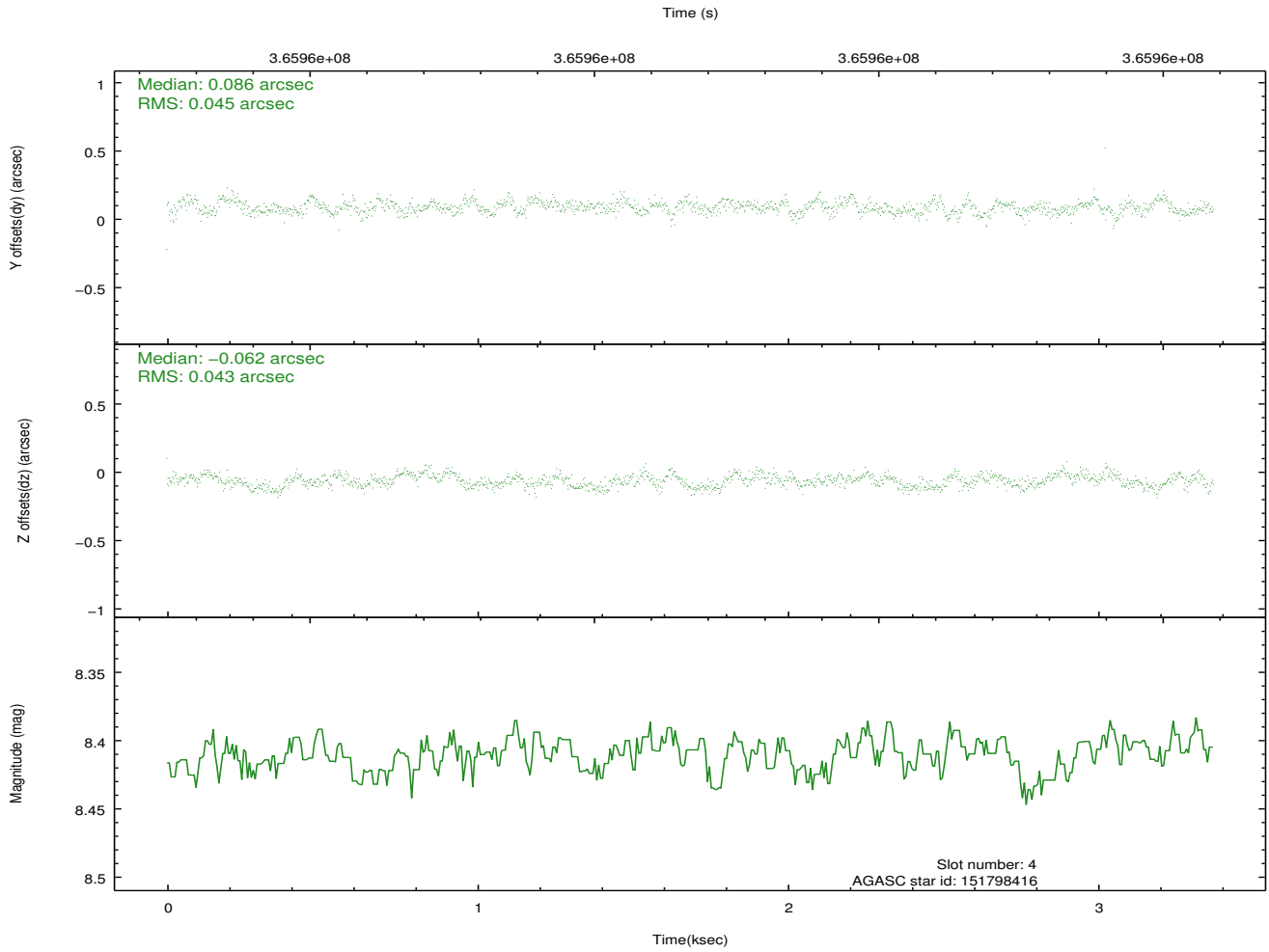
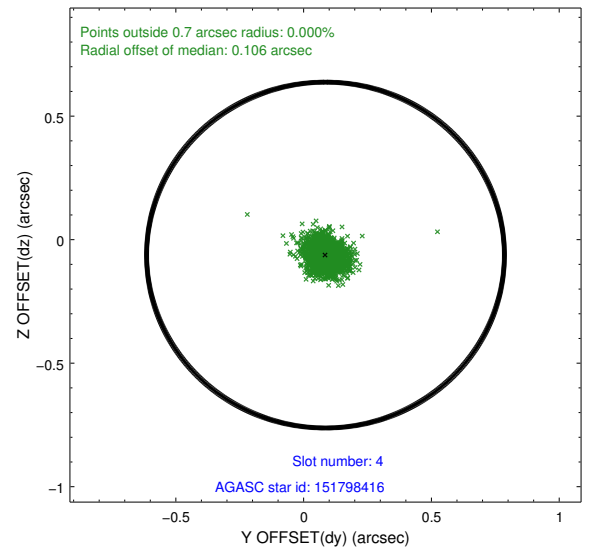
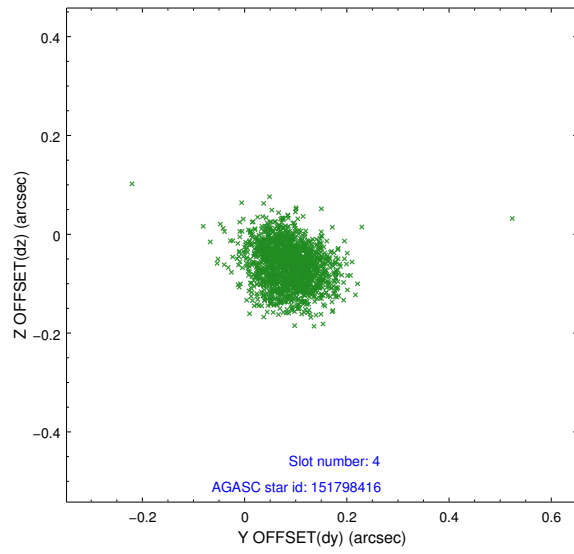
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.01	823	-0.040	-0.061	0.007	0.011	0.000000	0.000000	-765.47	-1735.43
1	FID	ACIS-S-4	7.10	823	0.165	0.036	0.006	0.011	0.000000	0.000000	2147.13	171.23
2	FID	ACIS-S-5	7.14	823	-0.156	0.034	0.007	0.011	0.000000	0.000000	-1816.04	167.00
3	GUIDE	151793600	8.93	1644	-0.019	-0.118	0.098	0.158	341.650400	13.192765	-330.94	2163.41
4	GUIDE	151798416	8.41	1646	0.086	-0.062	0.065	0.103	342.028215	13.009007	-1768.79	1807.65
5	GUIDE	151800208	6.71	1646	-0.120	0.071	0.061	0.100	341.840323	14.123117	1336.19	-814.21
6	GUIDE	151914336	9.36	1646	0.169	0.012	0.094	0.150	342.129016	13.858927	-46.08	-748.50
7	GUIDE	151920928	8.78	1644	-0.116	0.103	0.088	0.141	342.196900	14.289077	779.54	-2079.31

2.4 Star Slots

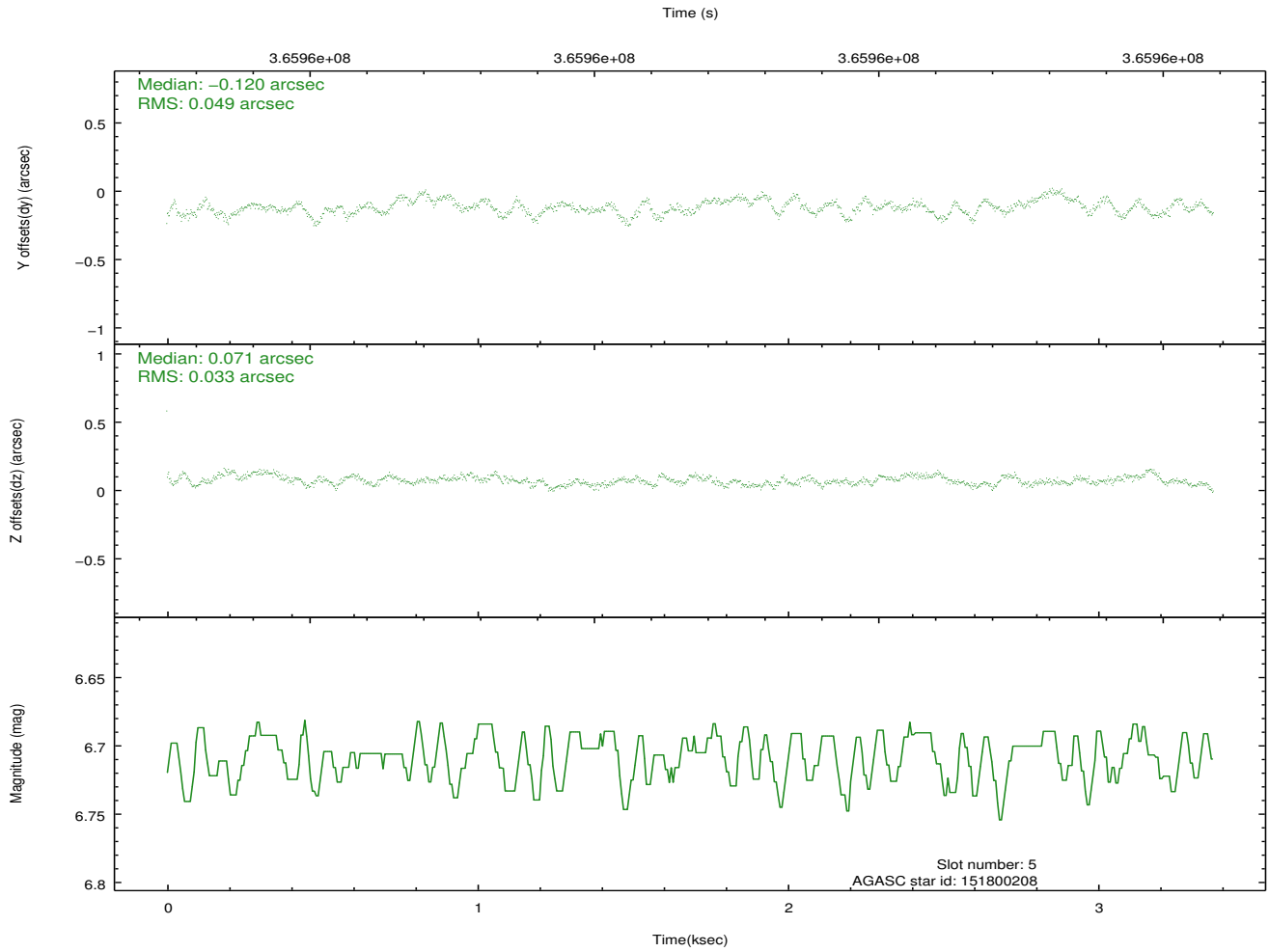
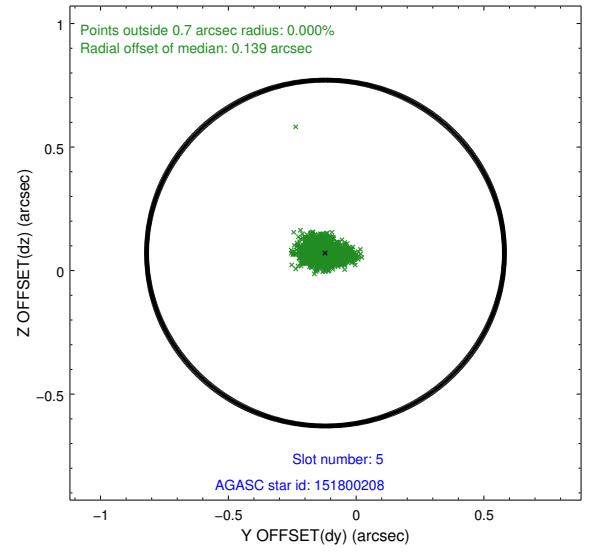
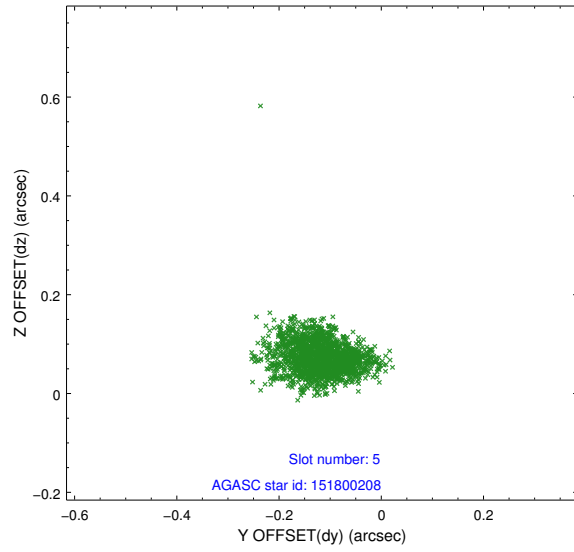
2.4.1 Slot 3



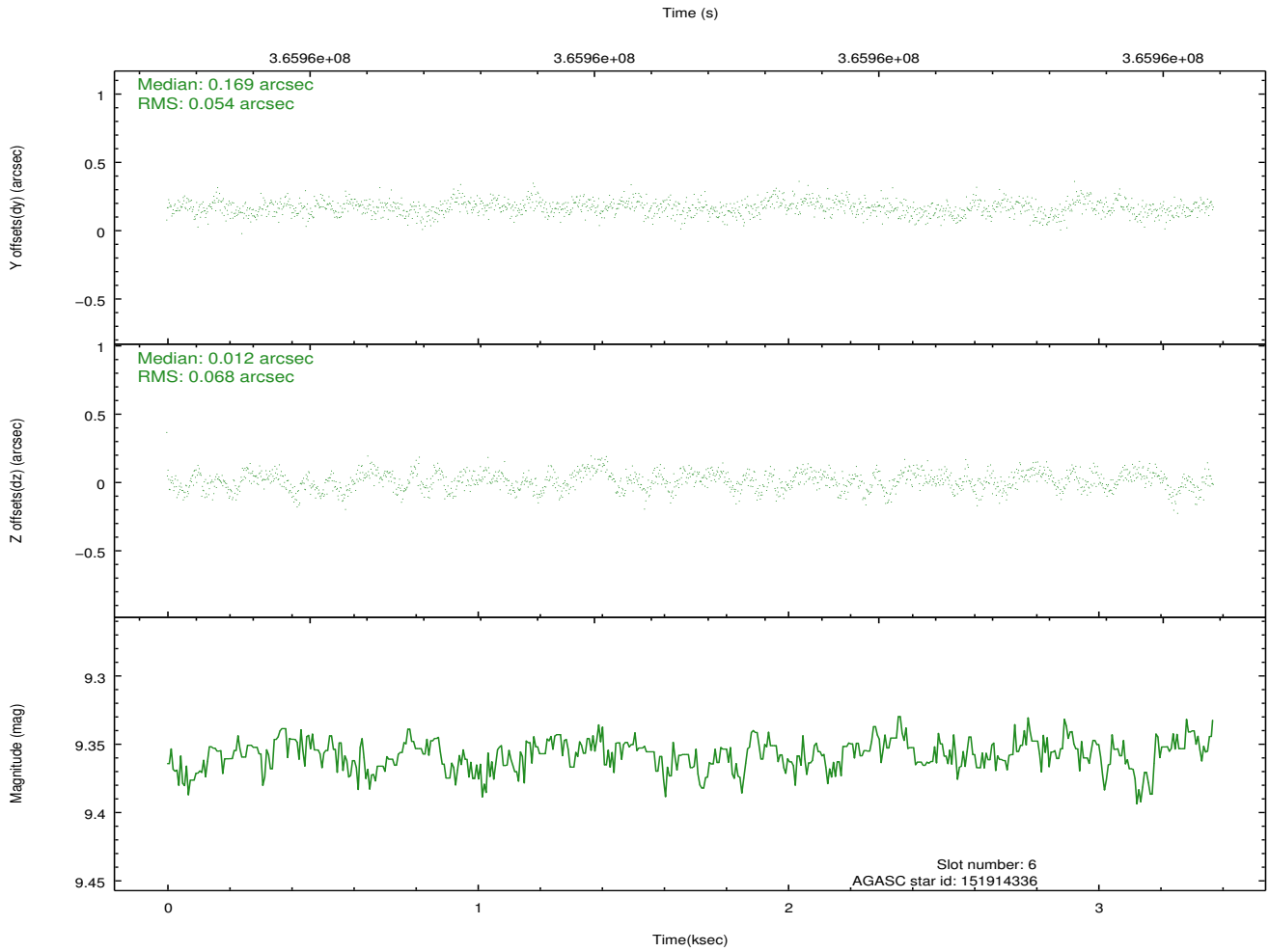
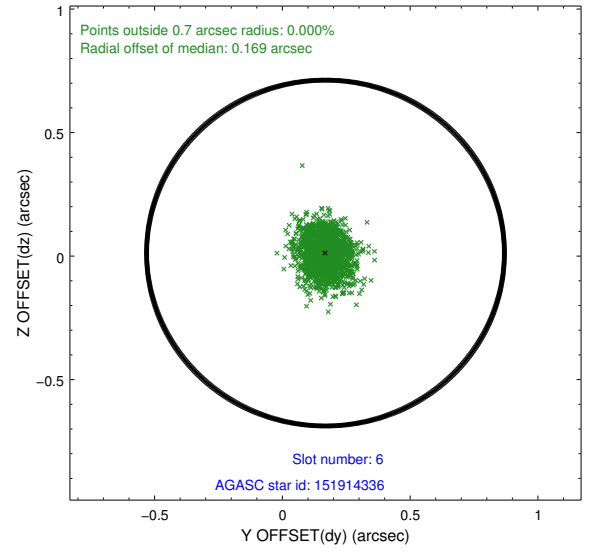
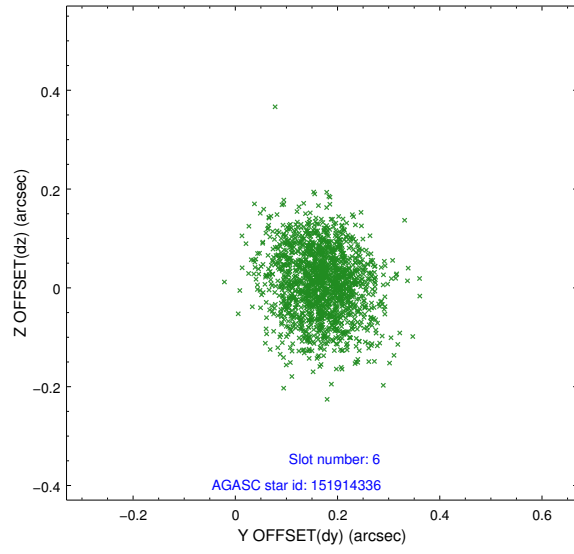
2.4.2 Slot 4



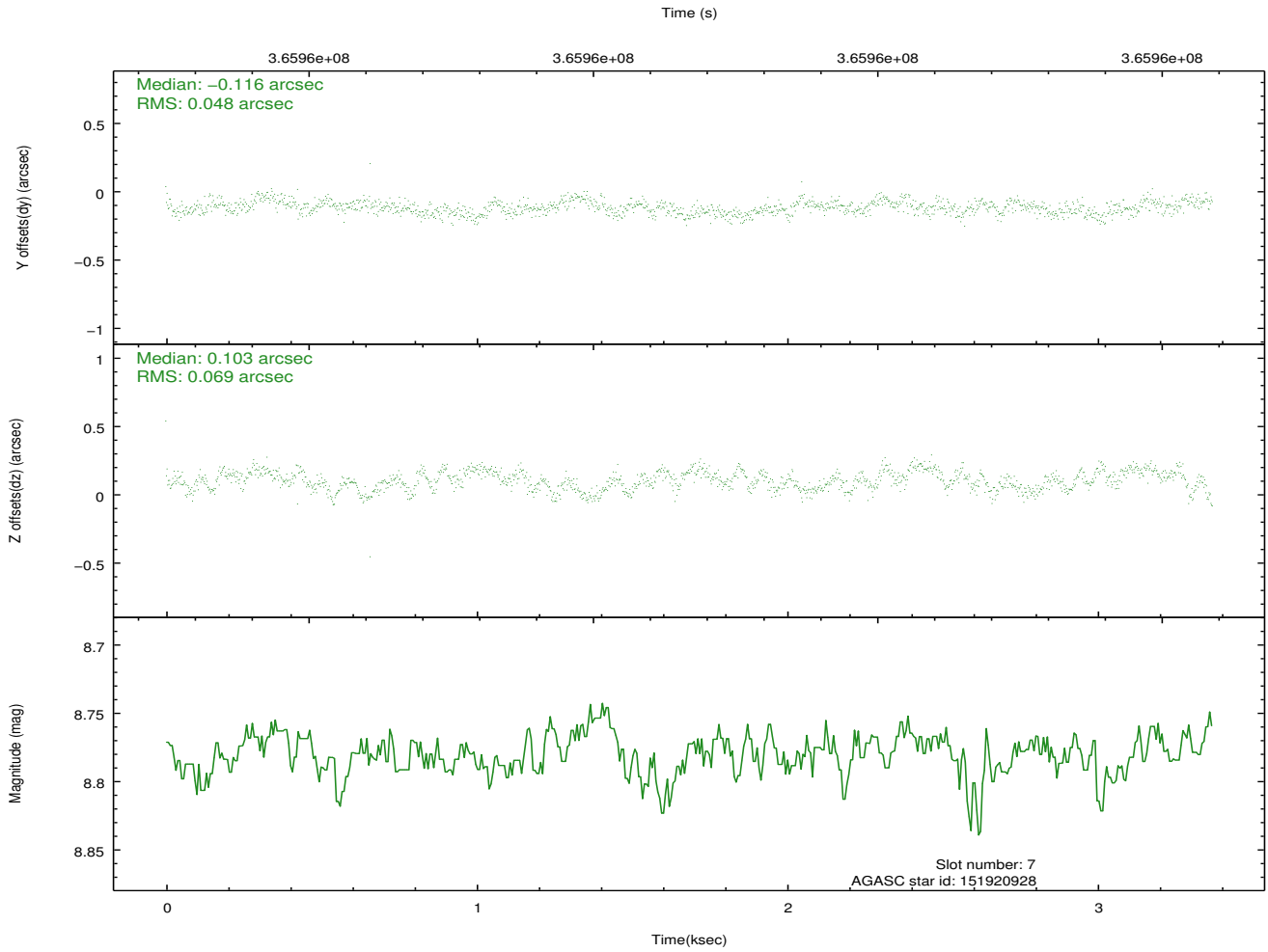
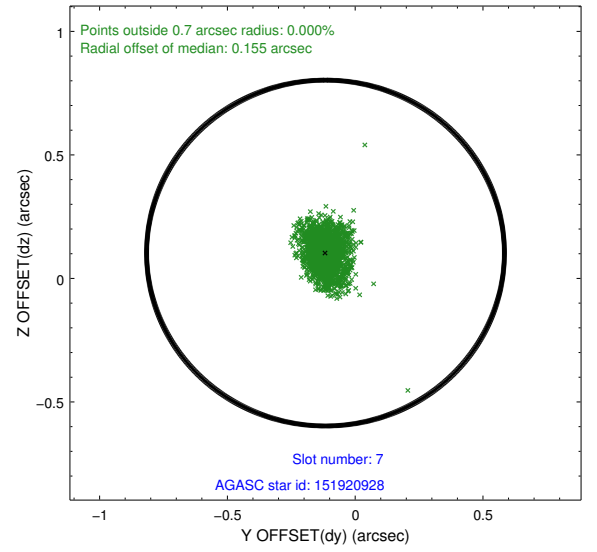
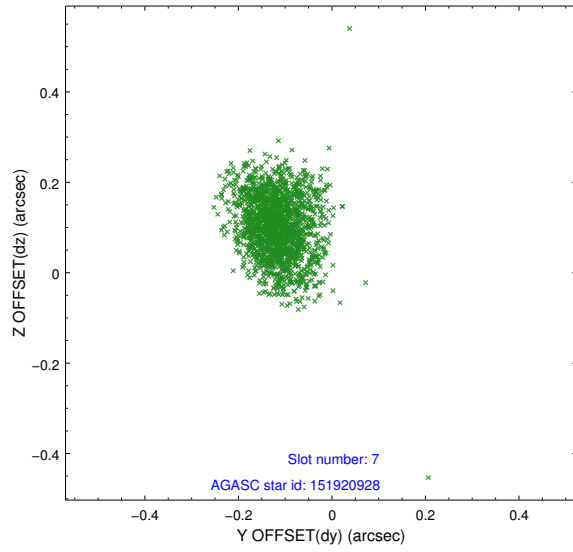
2.4.3 Slot 5



2.4.4 Slot 6

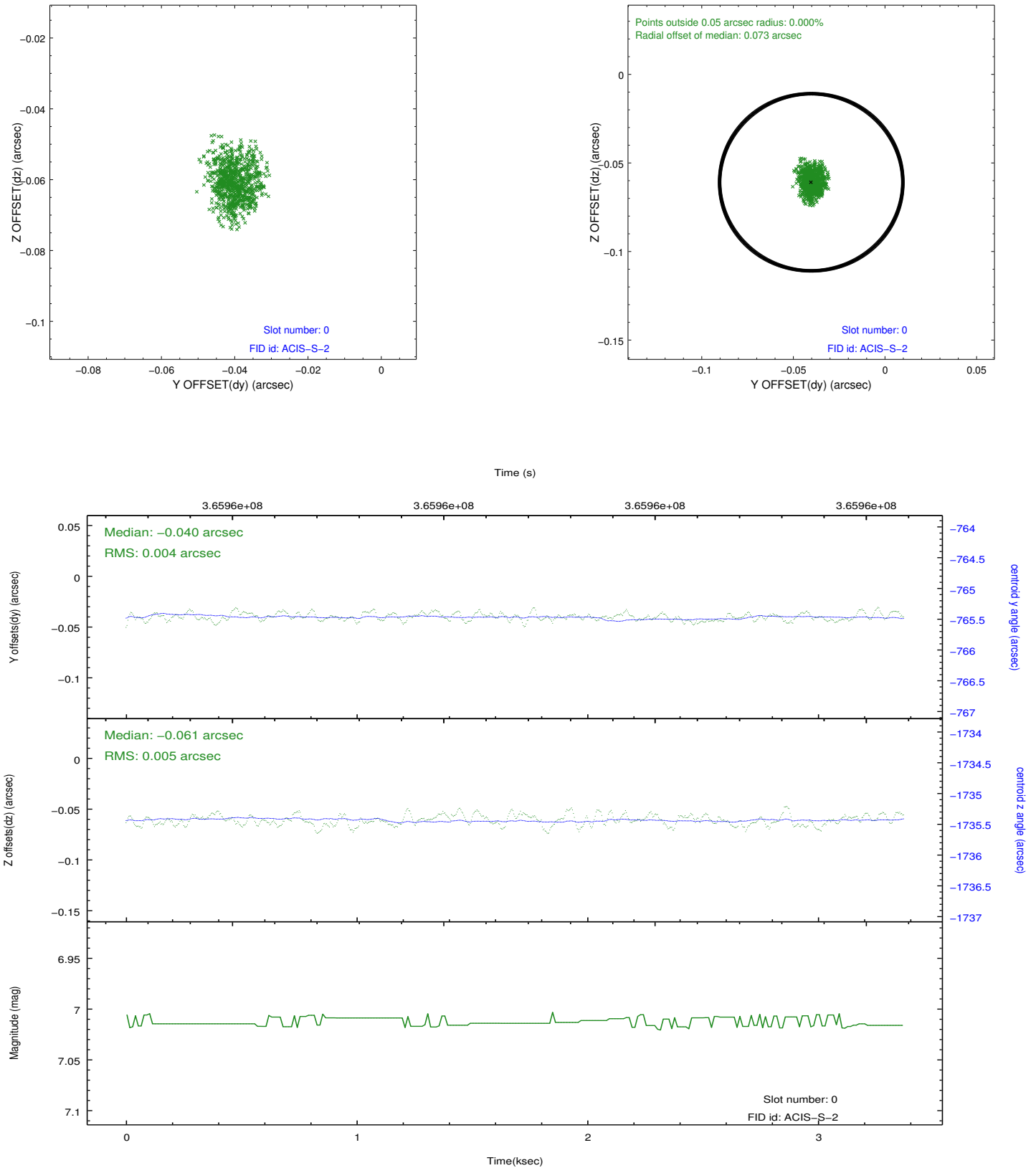


2.4.5 Slot 7

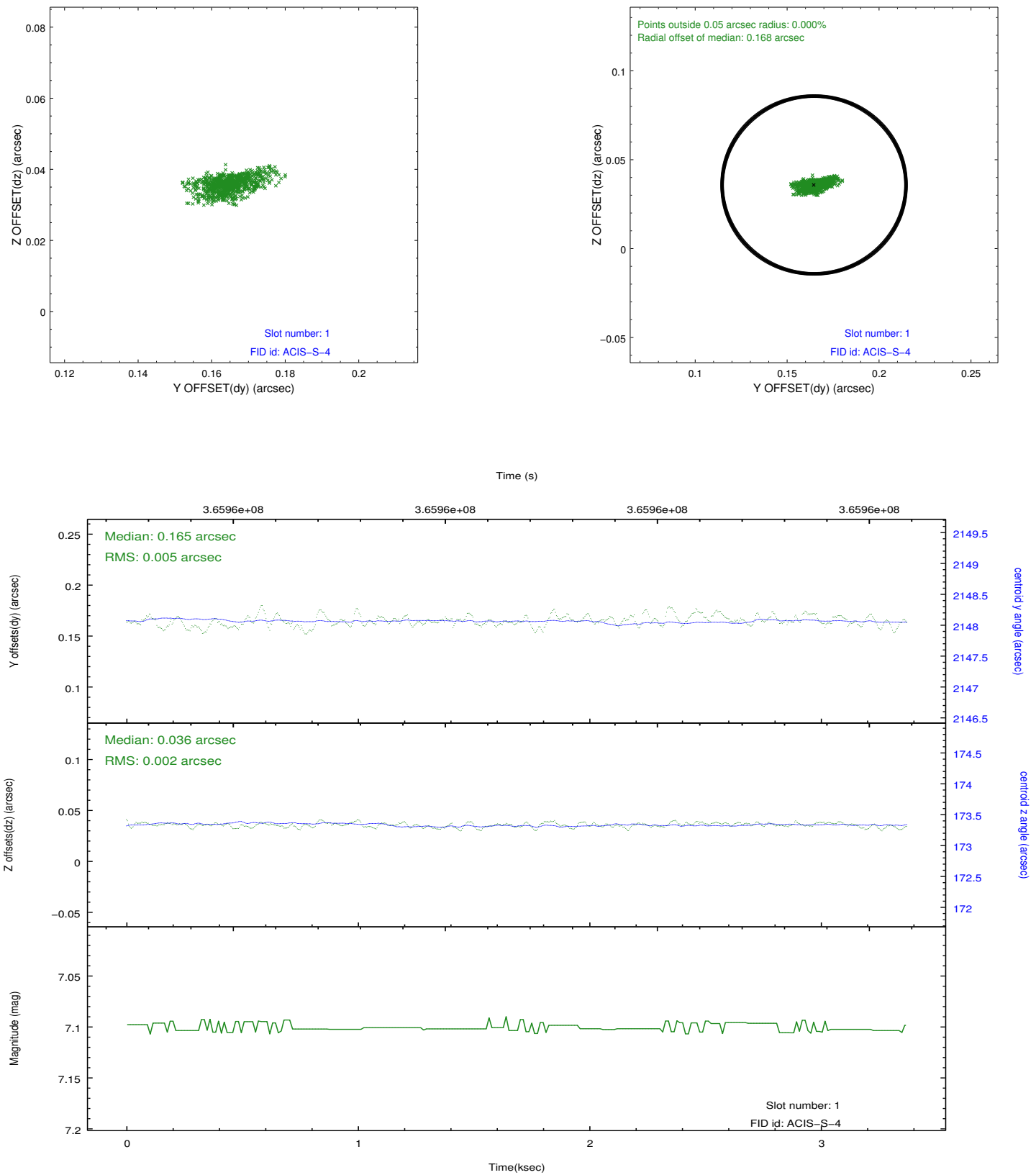


2.5 FID Slots

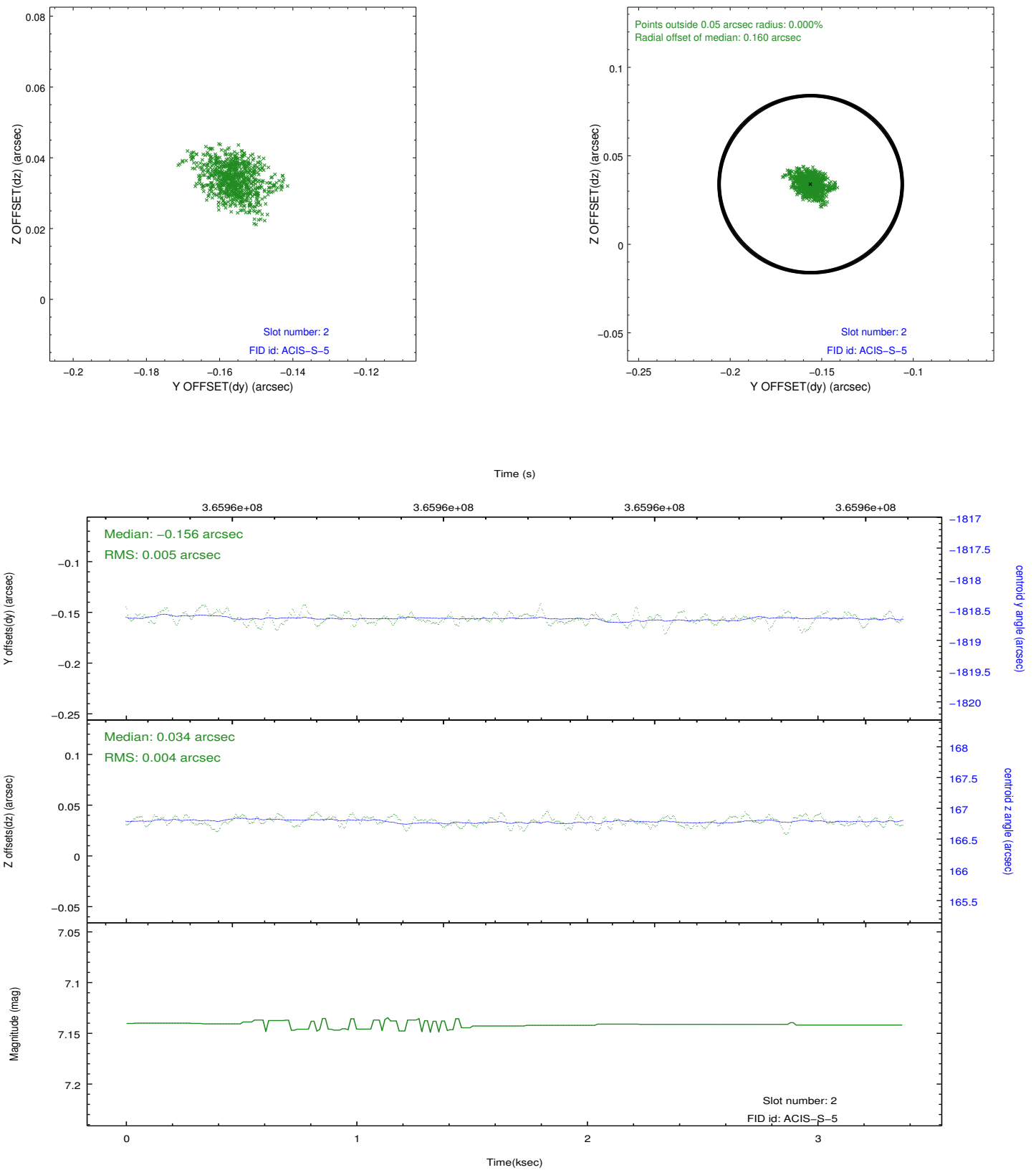
2.5.1 Slot 0



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)	2012.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.3663999875188

A.2 Comments