

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7528 - L2 Version 2
Chandra X-Ray Center

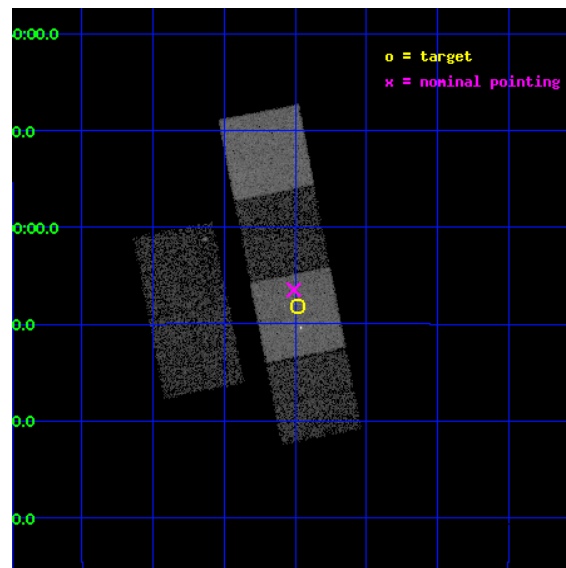
L2 Processing Date : May 9 2012

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

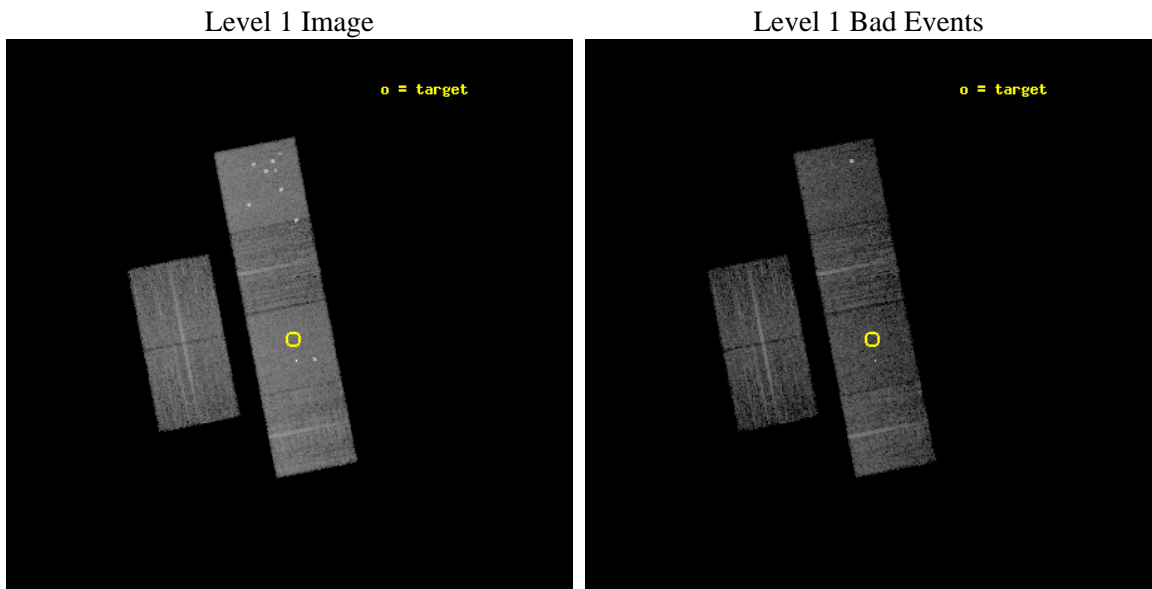
seq_num	400638	Sequence number
obs_id	7528	Observation id
title	Localization and Spectra of INTEGRAL-Selected Sources in the Galactic Plane	Proposal title
observer	Dr. John Tomsick	Principal investigator
object	IGR J18259-0706	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	276.495	Observer's specified target RA [deg]
dec_targ	-7.136	Observer's specified target Dec [deg]
ra_nom	276.5022786867	Nominal RA [deg]
dec_nom	-7.1077493194788	Nominal Dec [deg]
roll_nom	78.859560091917	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4758.1597486138	Sum of GTIs [s]
livetime	4697.9090648571	Livetime [s]
ontime2	4758.2007886171	Sum of GTIs [s]
ontime3	4758.0366286039	Sum of GTIs [s]
ontime5	4758.1187086105	Sum of GTIs [s]
ontime6	4758.0776686072	Sum of GTIs [s]
ontime7	4758.1597486138	Sum of GTIs [s]
ontime8	4751.5135381222	Sum of GTIs [s]
l2events	77123	Number of level 2 events



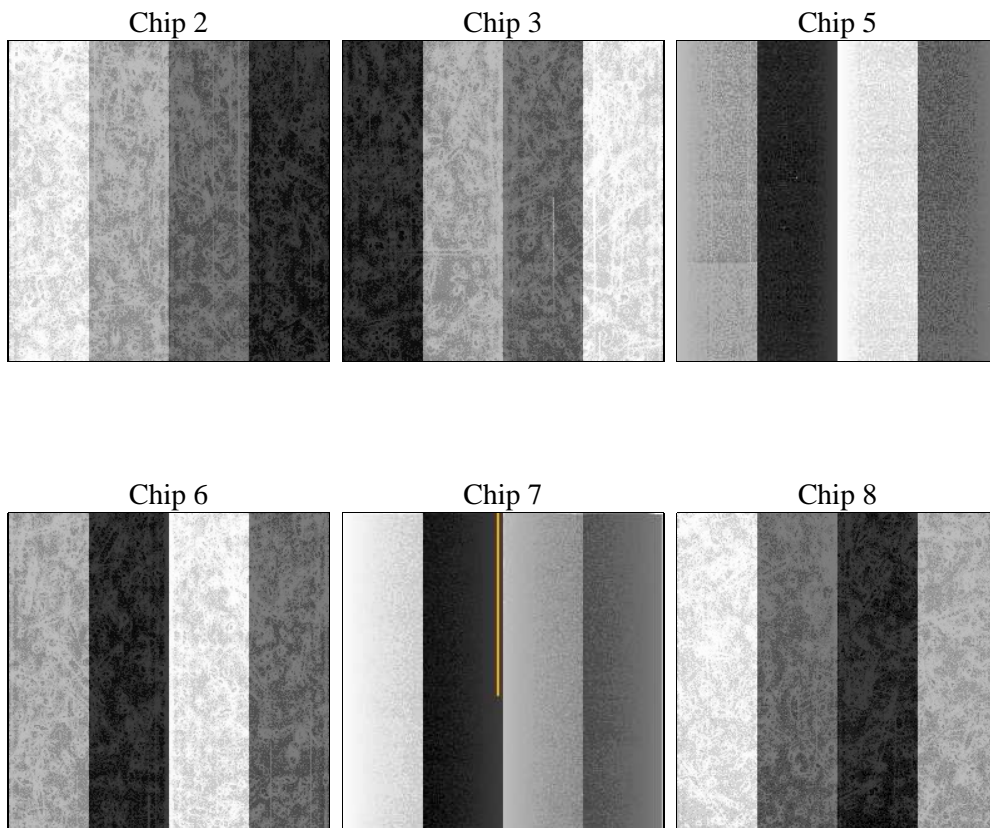
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4758.1597486138	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4758.2007886171	Sum of GTIs [s]
date	2012-05-09T18:37:48	Date and time of file creation	ontime3	4758.0366286039	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4758.1187086105	Sum of GTIs [s]
			ontime6	4758.0776686072	Sum of GTIs [s]
			ontime7	4758.1597486138	Sum of GTIs [s]
			ontime8	4751.5135381222	Sum of GTIs [s]
			l1events	343506	Number of level 1 events

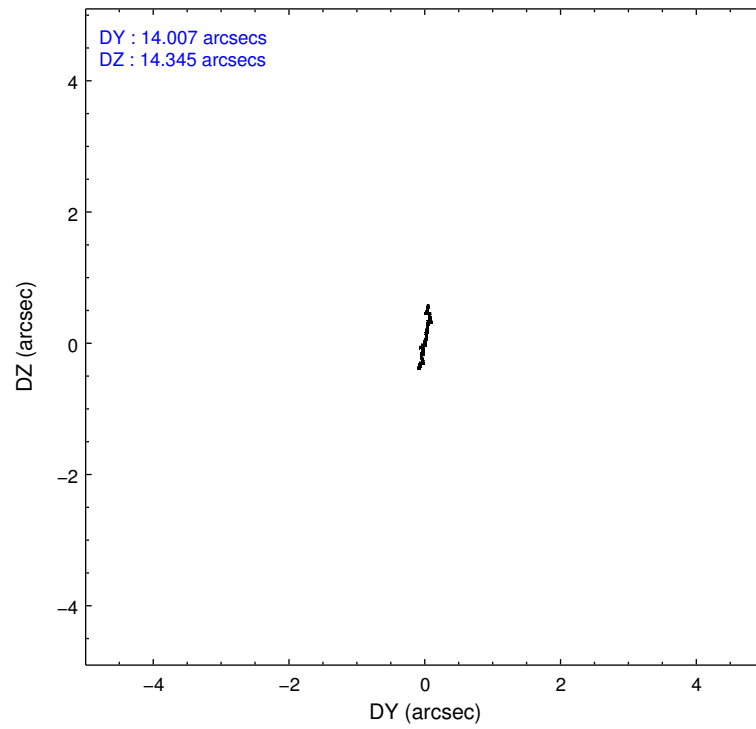
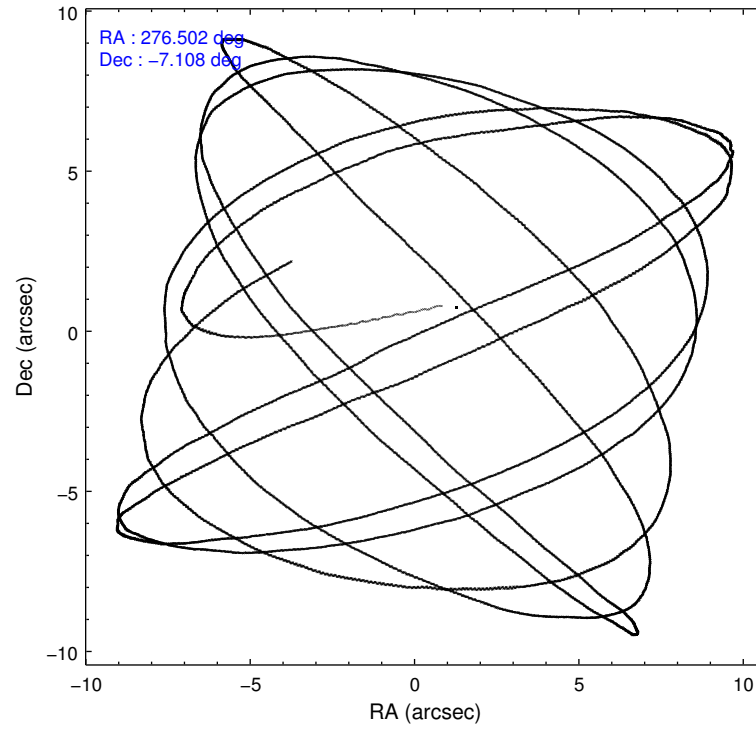
2.1.4 Events

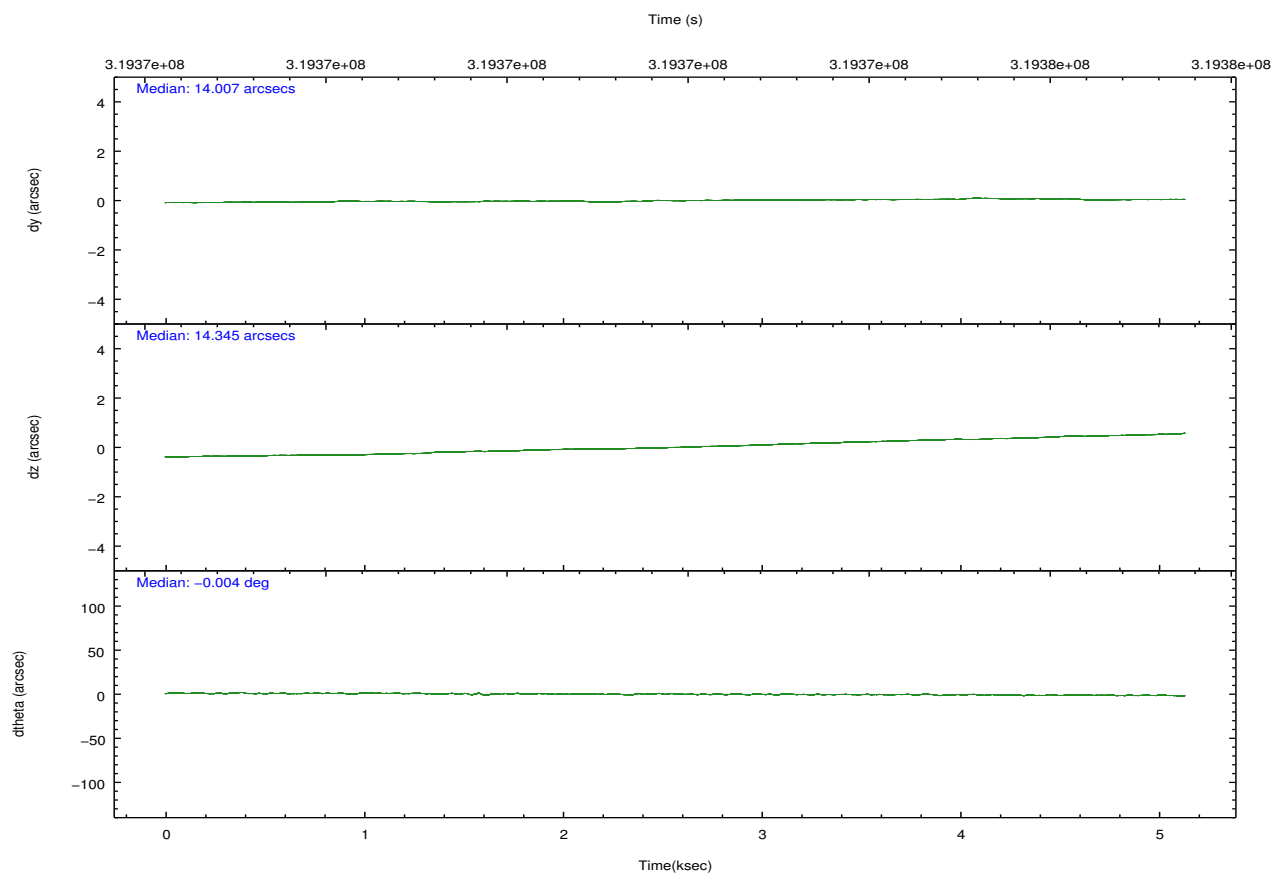
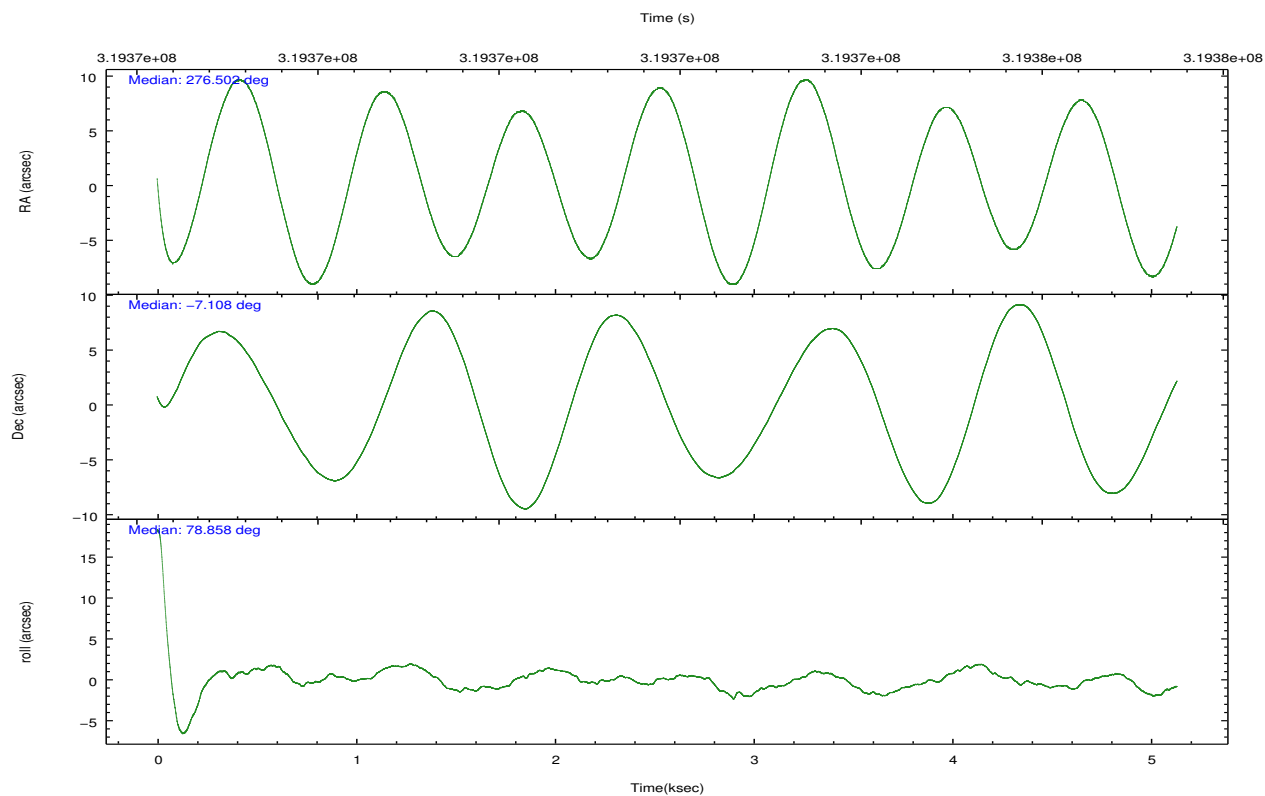
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	46185	42840	77325	47090	67361	62705	grade 0 events	2309	2329	6894	2189	4230	4109
rejected events	40918	37495	39090	41551	37482	49297		4%	5%	8%	4%	6%	6%
rejected %	88%	87%	50%	88%	55%	78%	grade 1 events	36	31	70	13	159	51
								0%	0%	0%	0%	0%	0%
							grade 2 events	1125	1065	10720	1175	5946	3139
								2%	2%	13%	2%	8%	5%
							grade 3 events	437	467	1085	515	2366	1327
								0%	1%	1%	1%	3%	2%
							grade 4 events	452	482	1039	515	2313	1268
								0%	1%	1%	1%	3%	2%
							grade 5 events	1759	2030	4702	2120	5907	2718
								3%	4%	6%	4%	8%	4%
							grade 6 events	950	1007	18560	1156	15065	3575
								2%	2%	24%	2%	22%	5%
							grade 7 events	39117	35429	34255	39407	31375	46518
								84%	82%	44%	83%	46%	74%

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	276.511600	276.5022786867046	CCD I2 on	O2	Y
[deg] Pointing Dec	-7.133514	-7.107749319478809	CCD I3 on	Y	Y
[deg] Pointing Roll	78.704038	78.85956009191726	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	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)	319370496.184000	319369315.85139	CCD S5 on	N	N
Observation start date	2008-02-14T10:00:31	2008-02-14T09:41:55	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	319375496.184000	319375731.8392	On-chip summing requested	N	N
Observation end date	2008-02-14T11:23:51	2008-02-14T11:28:51	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



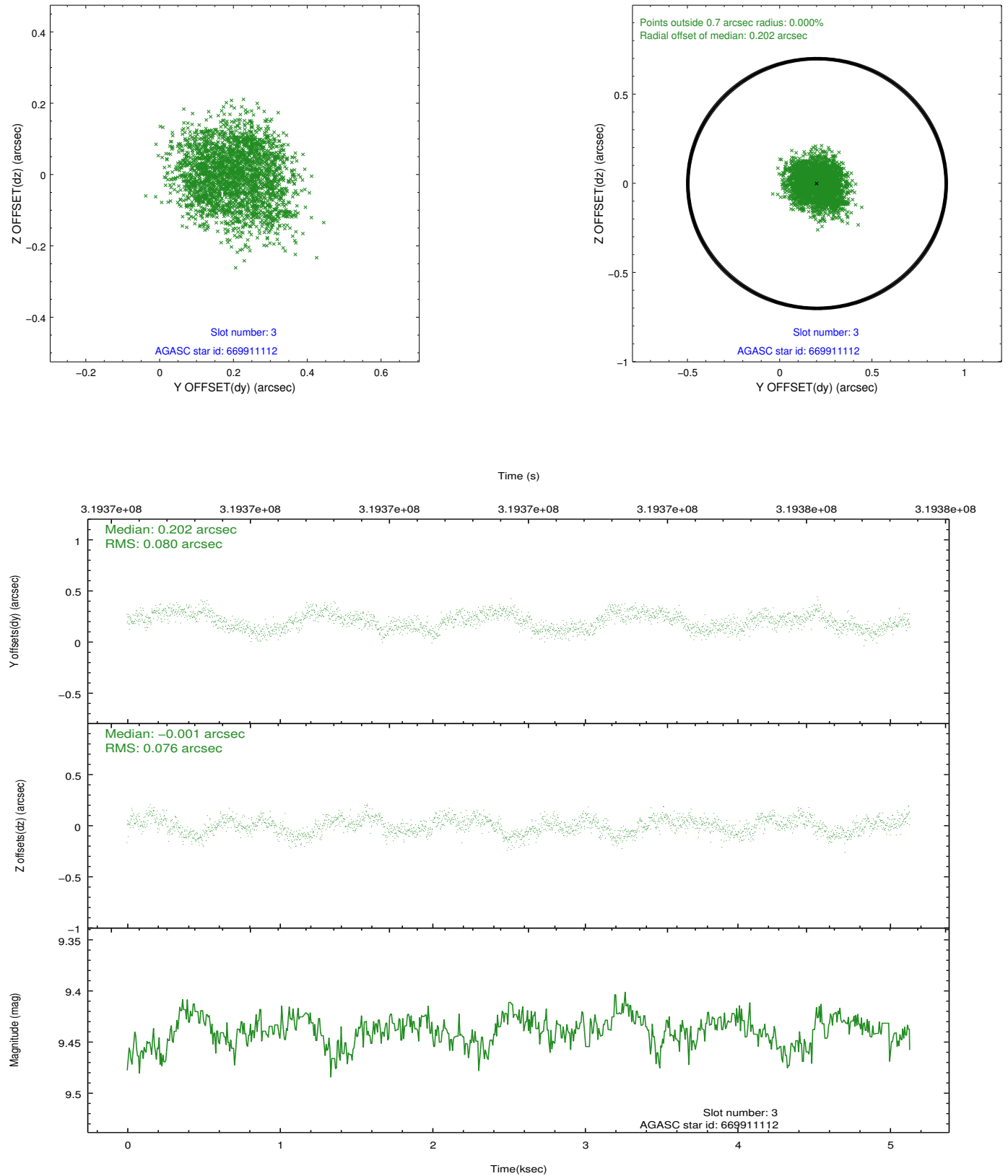


Slot Statistics

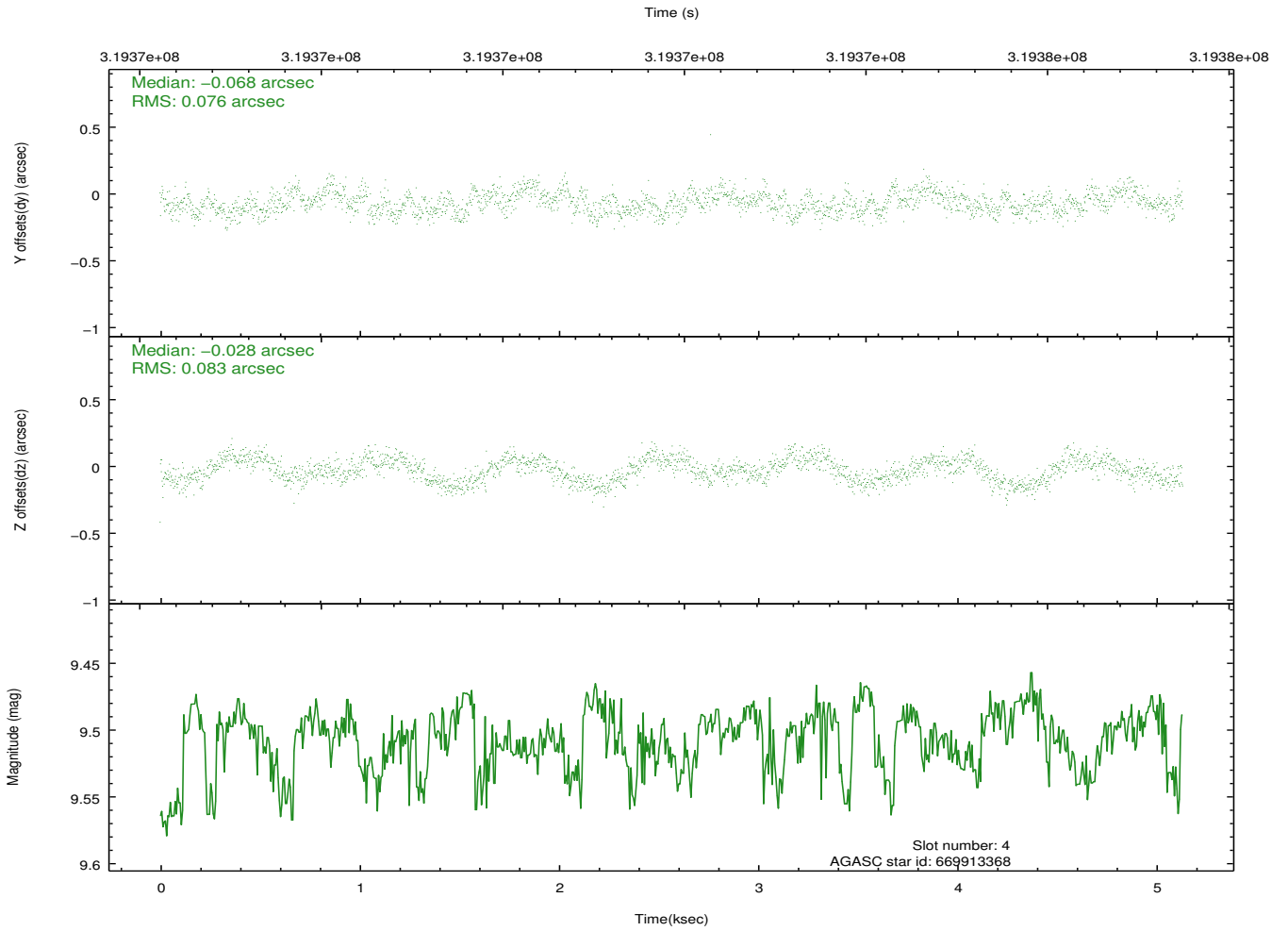
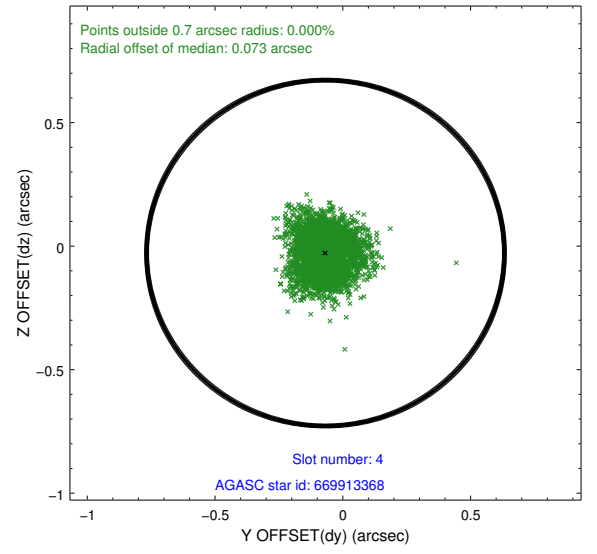
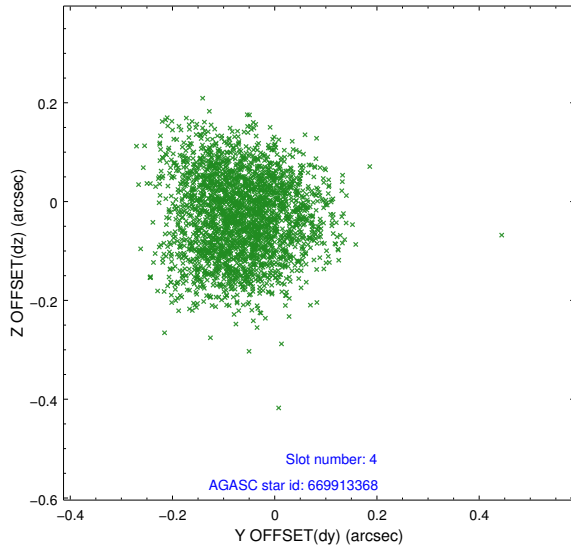
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1252	-0.069	-0.053	0.012	0.017	0.000000	0.000000	-767.01	-1735.75
1	FID	ACIS-S-4	7.19	1252	0.199	0.047	0.009	0.014	0.000000	0.000000	2145.99	171.62
2	FID	ACIS-S-5	7.23	1252	-0.162	0.014	0.011	0.016	0.000000	0.000000	-1818.44	166.59
3	GUIDE	669911112	9.44	2500	0.202	-0.001	0.120	0.182	276.127666	-7.366370	-1090.79	1179.81
4	GUIDE	669913368	9.51	2500	-0.068	-0.028	0.122	0.187	276.557776	-6.624274	1829.93	197.55
5	GUIDE	669918352	8.91	2503	-0.191	-0.110	0.086	0.134	276.088283	-6.835125	757.01	1694.02
6	GUIDE	745803816	8.24	2504	-0.077	-0.005	0.061	0.097	276.555143	-7.620486	-1688.32	-495.20
7	GUIDE	669909680	7.94	2504	0.133	0.148	0.066	0.106	276.624035	-7.126889	101.55	-389.19

2.4 Star Slots

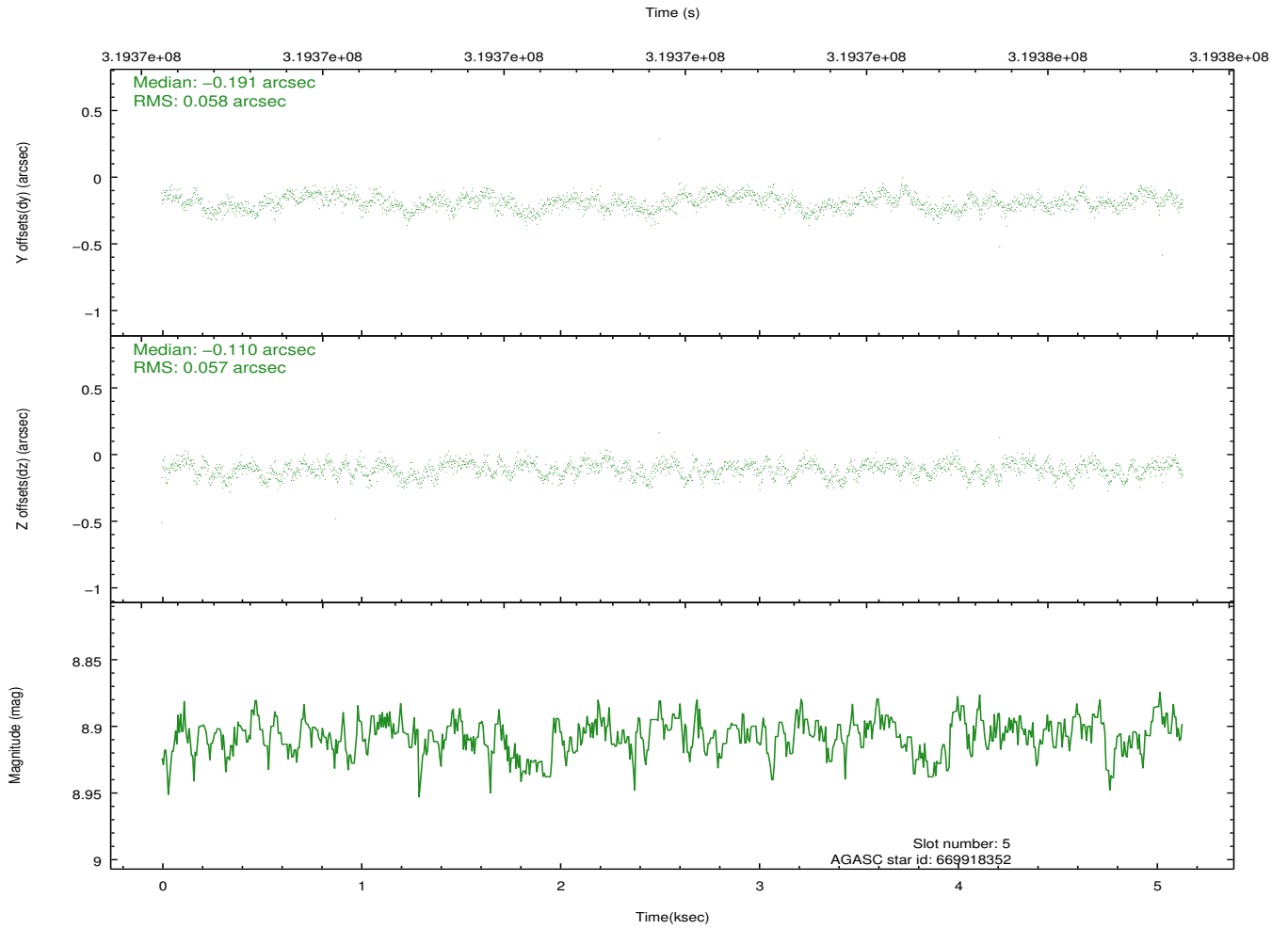
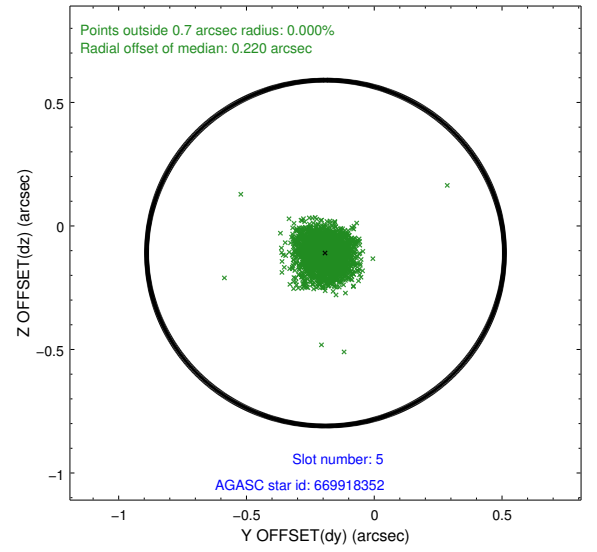
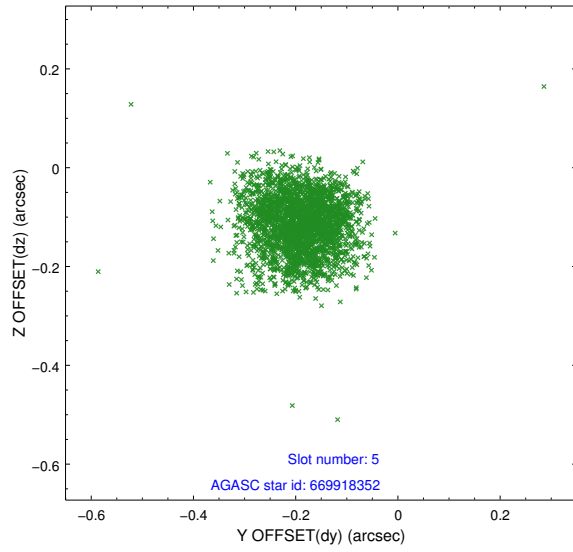
2.4.1 Slot 3



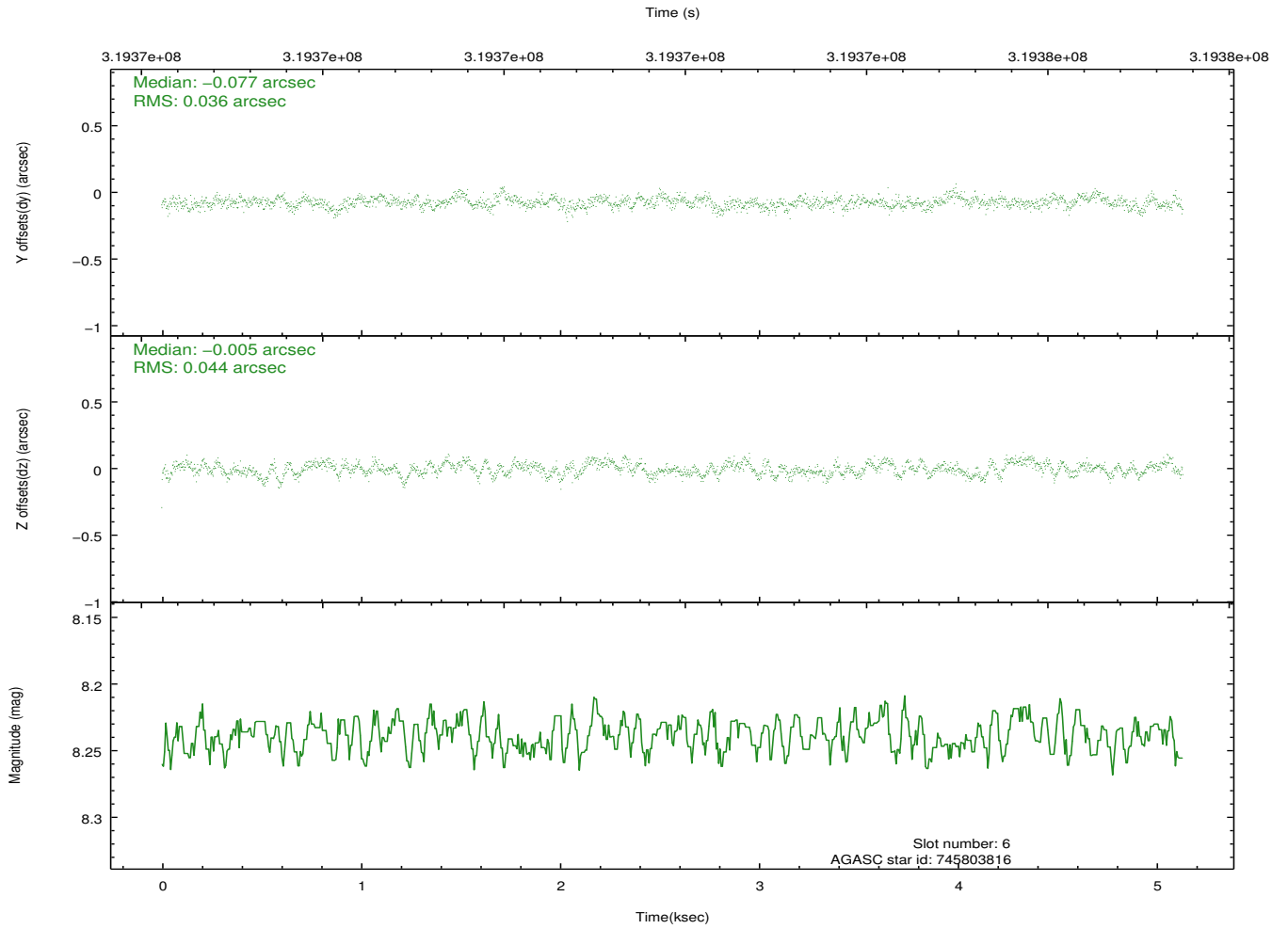
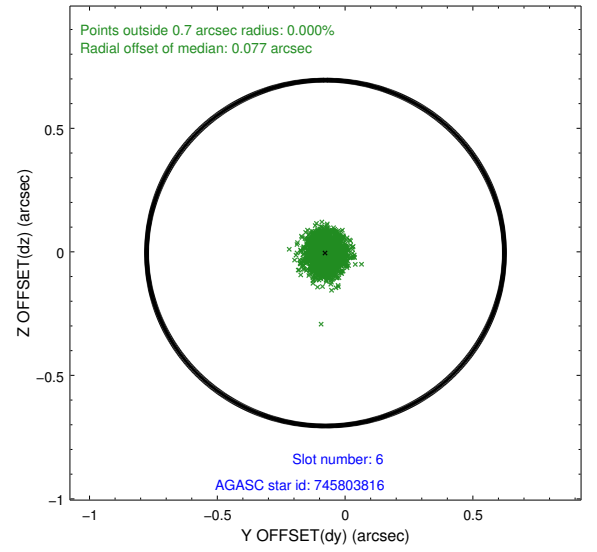
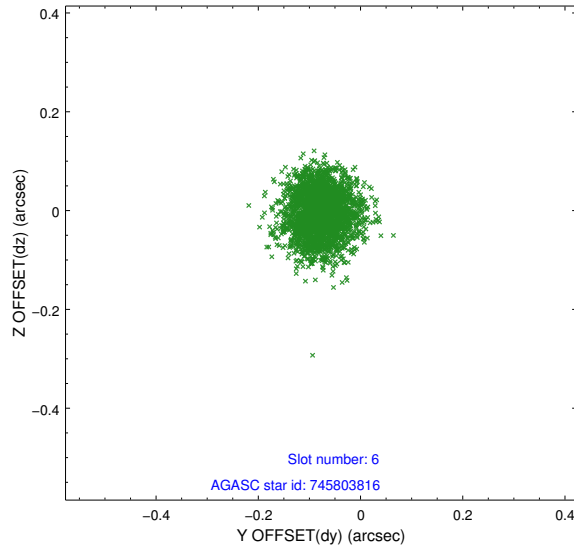
2.4.2 Slot 4



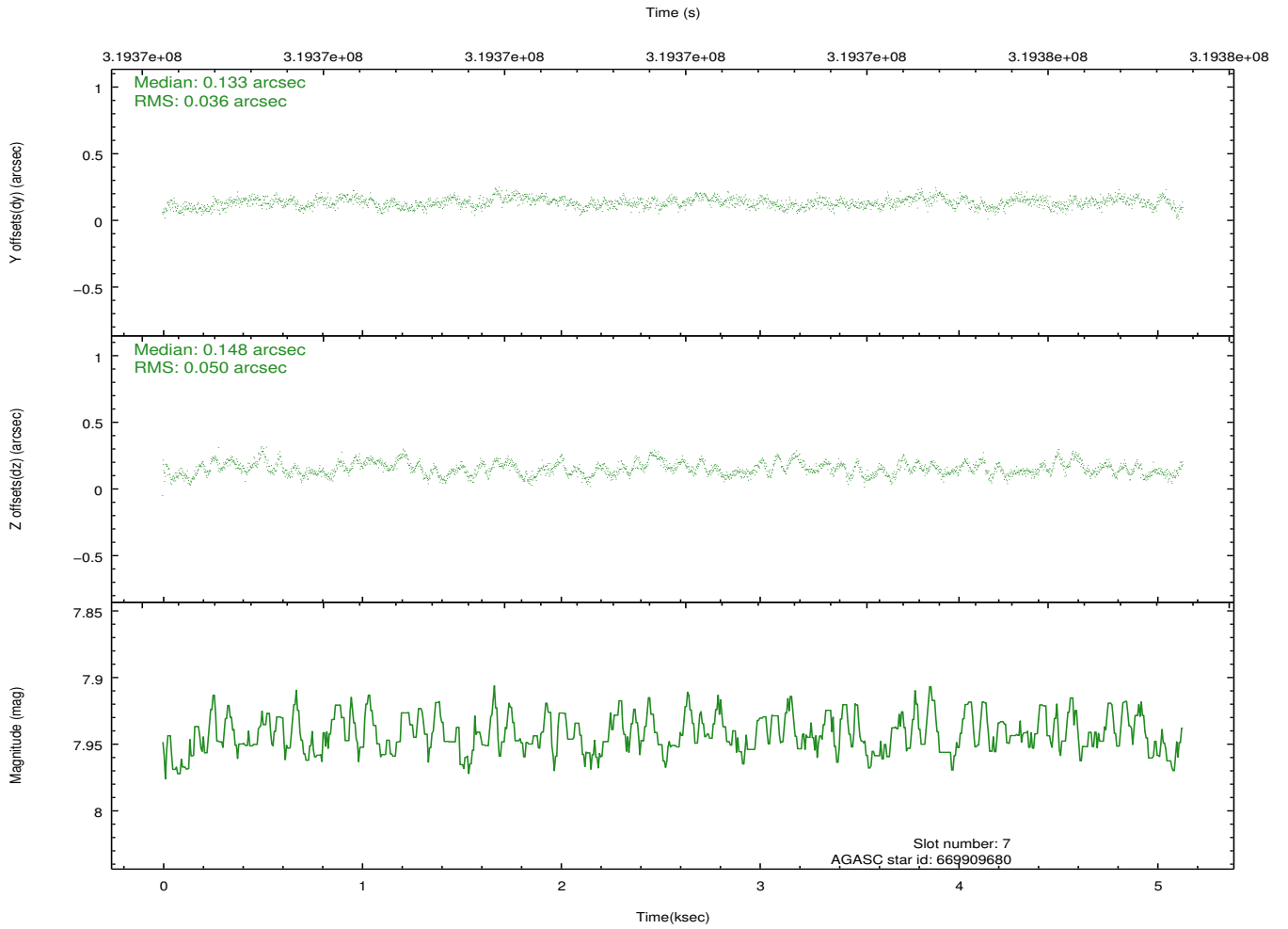
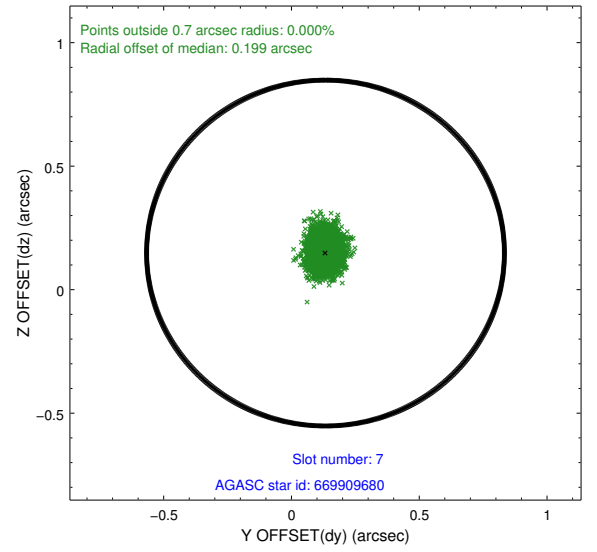
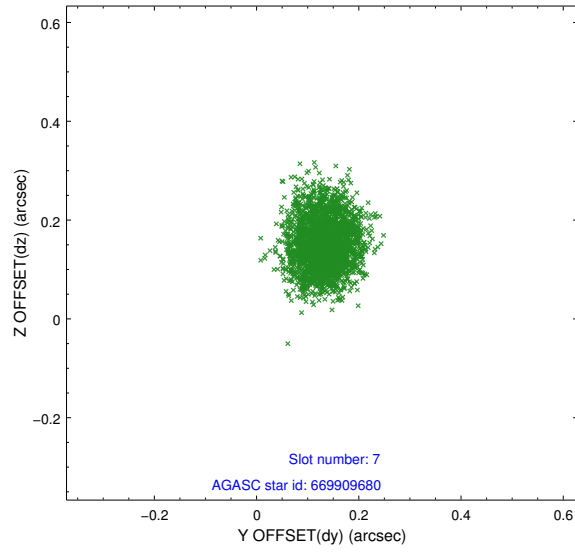
2.4.3 Slot 5



2.4.4 Slot 6

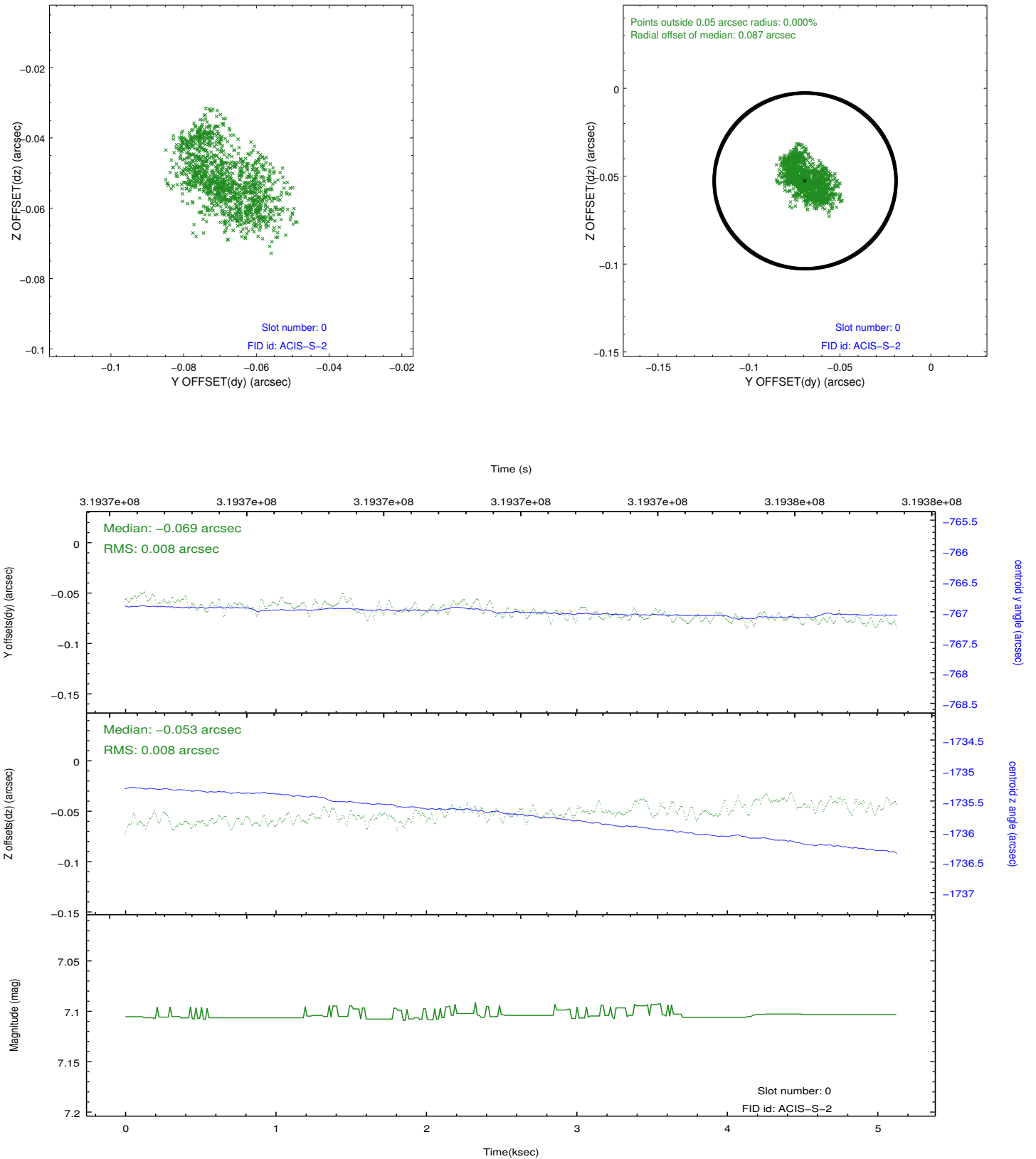


2.4.5 Slot 7

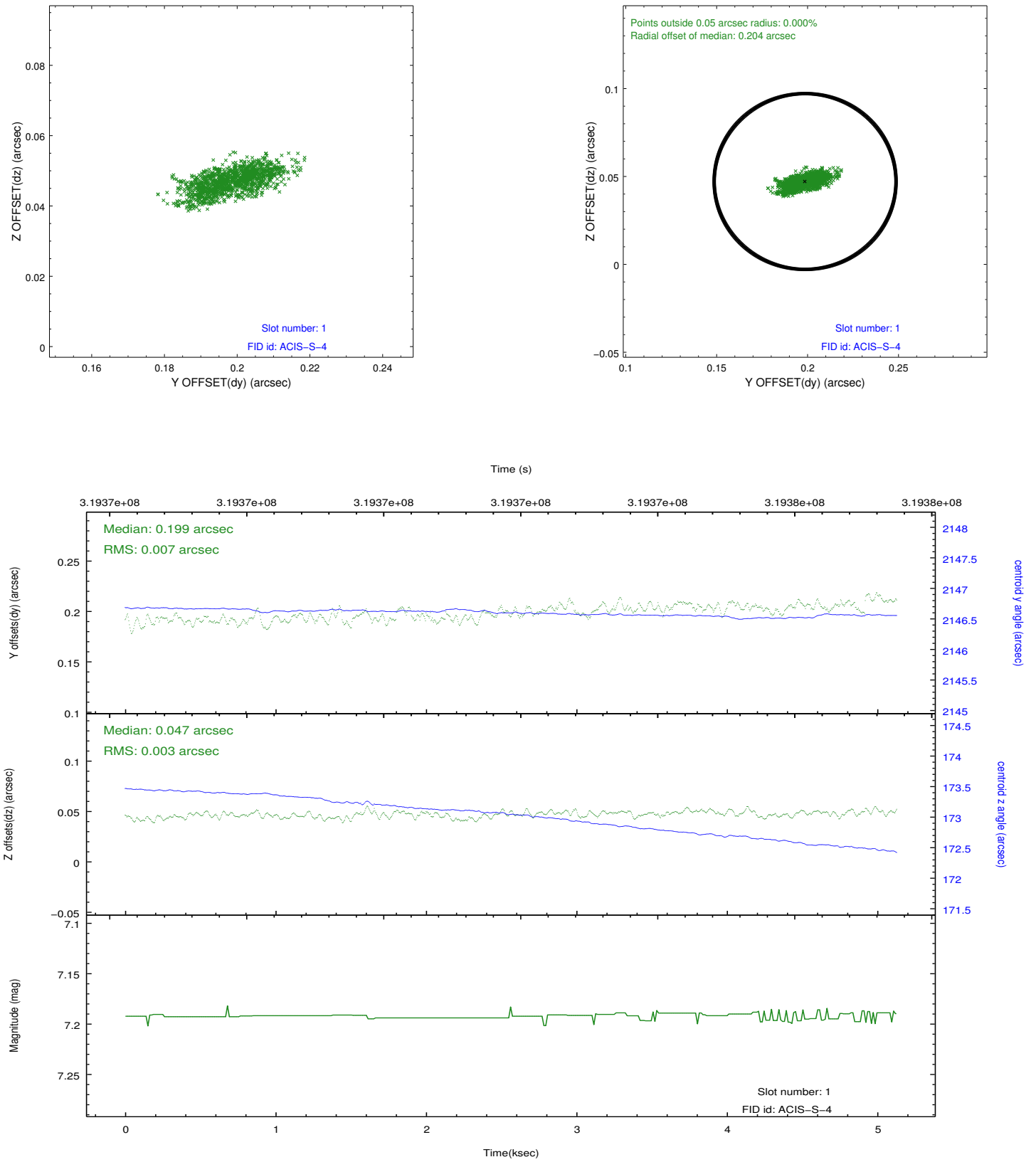


2.5 FID Slots

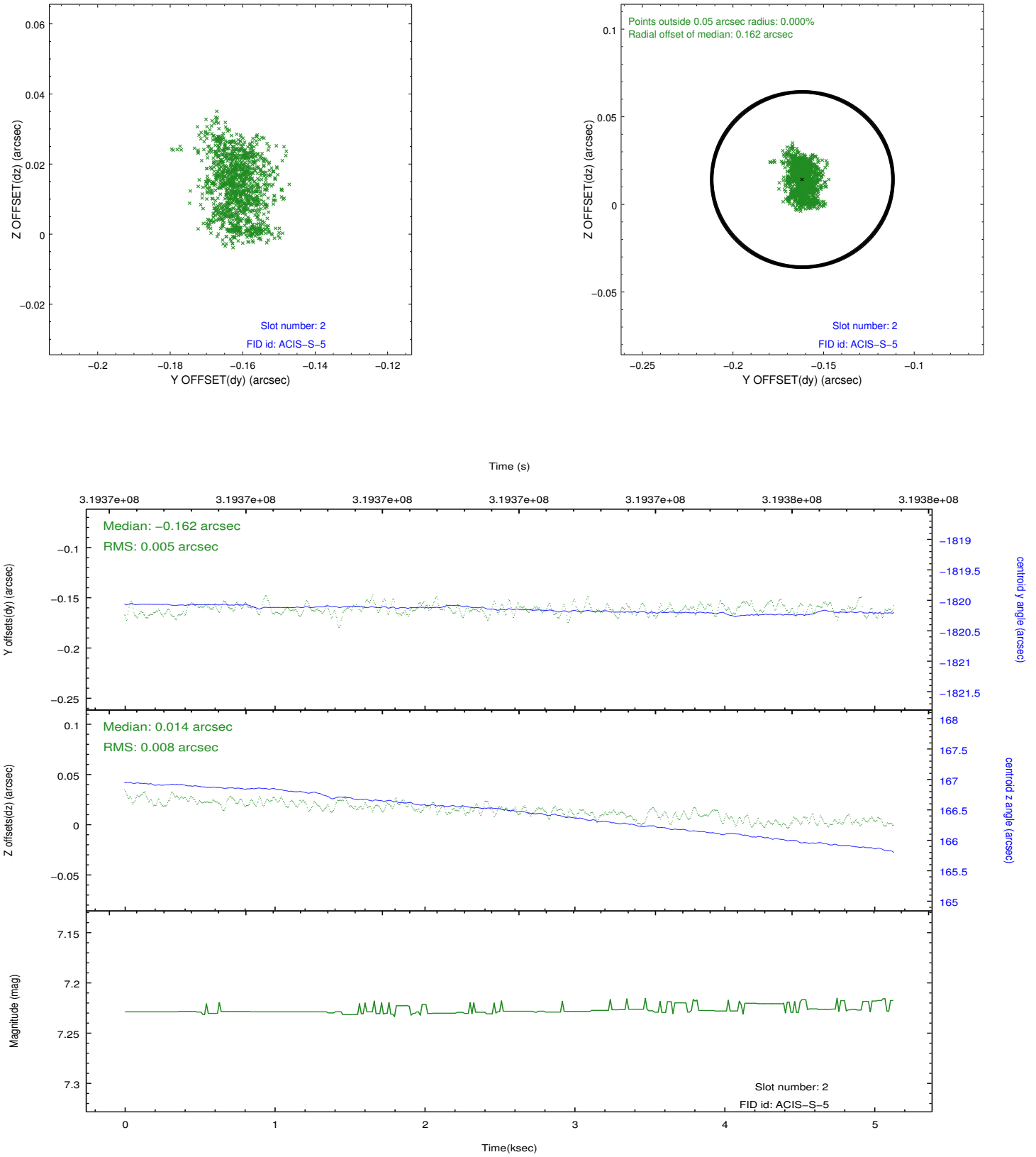
2.5.1 Slot 0



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)	2012.05.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.75839998

A.2 Comments