

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4092 - L2 Version 3
Chandra X-Ray Center

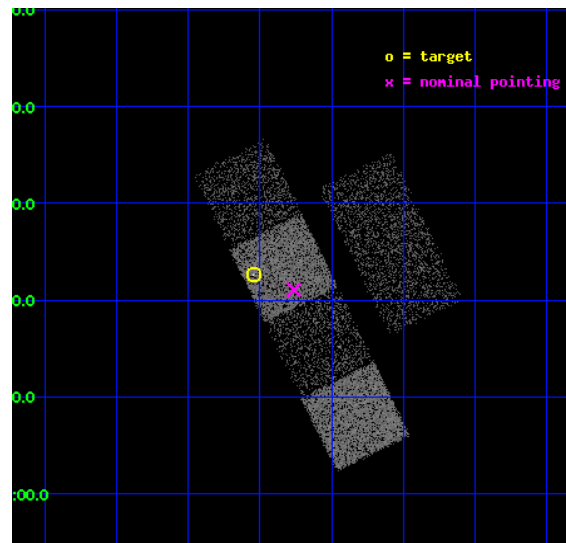
L2 Processing Date : Oct 31 2012

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1 Front

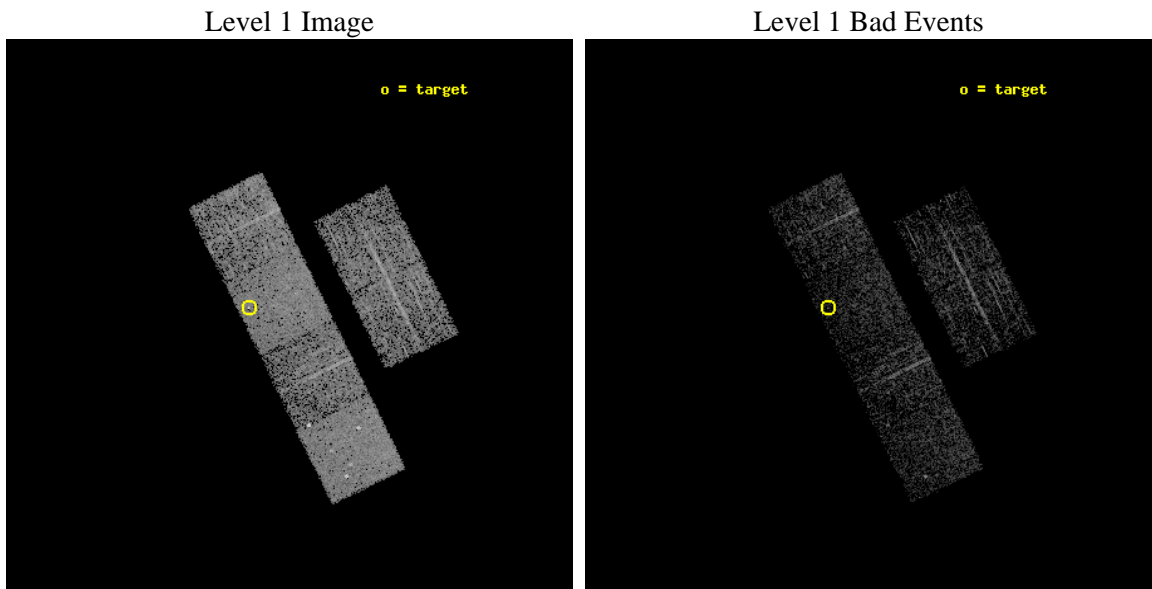
seq_num	700771	Sequence number
obs_id	4092	Observation id
title	ARE ALL NARROW-LINE SEYFERT 1S ULTRASOFT X-RAY SOURCES?	Proposal t
observer	Prof RICHARD POGGE	Principal investigator
object	SDSS J144932.70+002236.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	222.38625	Observer's specified target RA [deg]
dec_targ	0.37675	Observer's specified target Dec [deg]
ra_nom	222.31588950258	Nominal RA [deg]
dec_nom	0.35111184829369	Nominal Dec [deg]
roll_nom	243.81127746676	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2175.9999918938	Sum of GTIs [s]
livetime	2148.4461697665	Livetime [s]
ontime2	2175.9999918938	Sum of GTIs [s]
ontime3	2175.9999918938	Sum of GTIs [s]
ontime5	2175.9999918938	Sum of GTIs [s]
ontime6	2175.9999918938	Sum of GTIs [s]
ontime7	2175.9999918938	Sum of GTIs [s]
ontime8	2175.9999918938	Sum of GTIs [s]
l2events	21635	Number of level 2 events



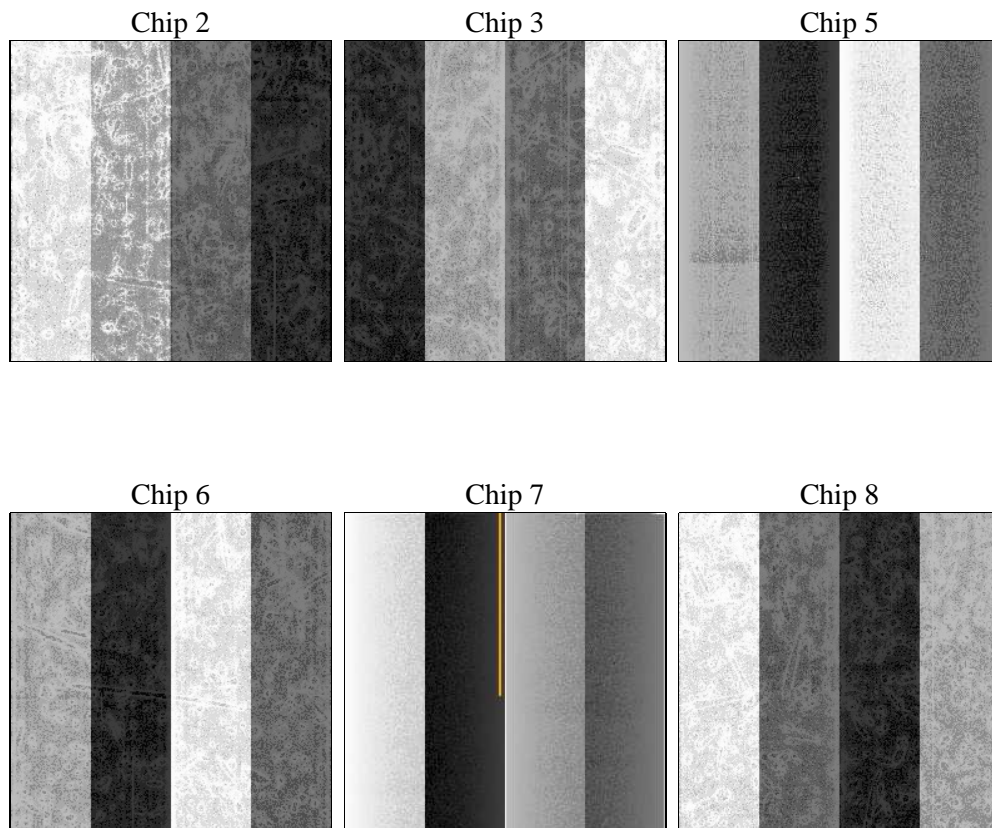
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2175.9999918938	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	2175.9999918938	Sum of GTIs [s]
date	2012-10-31T04:19:53	Date and time of file creation	ontime3	2175.9999918938	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2175.9999918938	Sum of GTIs [s]
			ontime6	2175.9999918938	Sum of GTIs [s]
			ontime7	2175.9999918938	Sum of GTIs [s]
			ontime8	2175.9999918938	Sum of GTIs [s]
			l1events	136188	Number of level 1 events

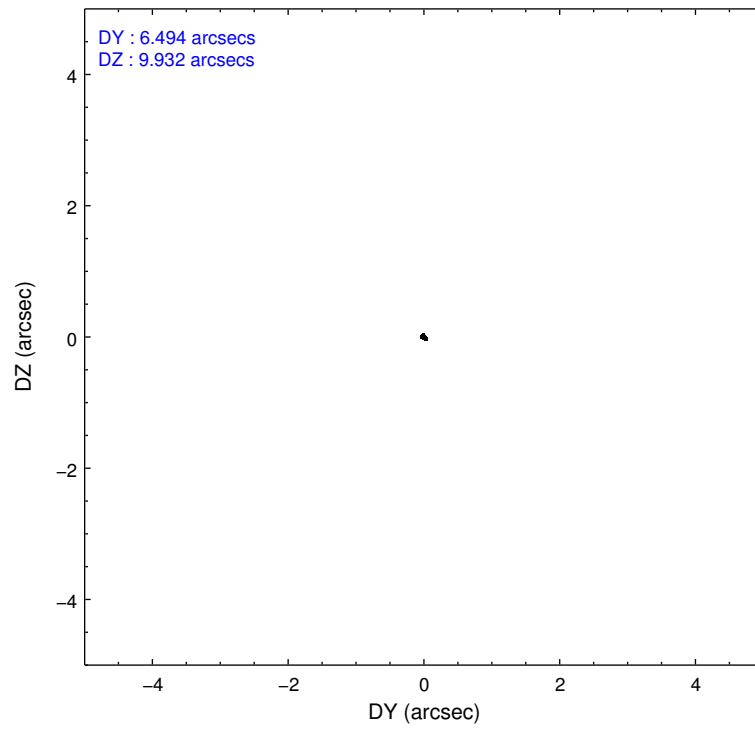
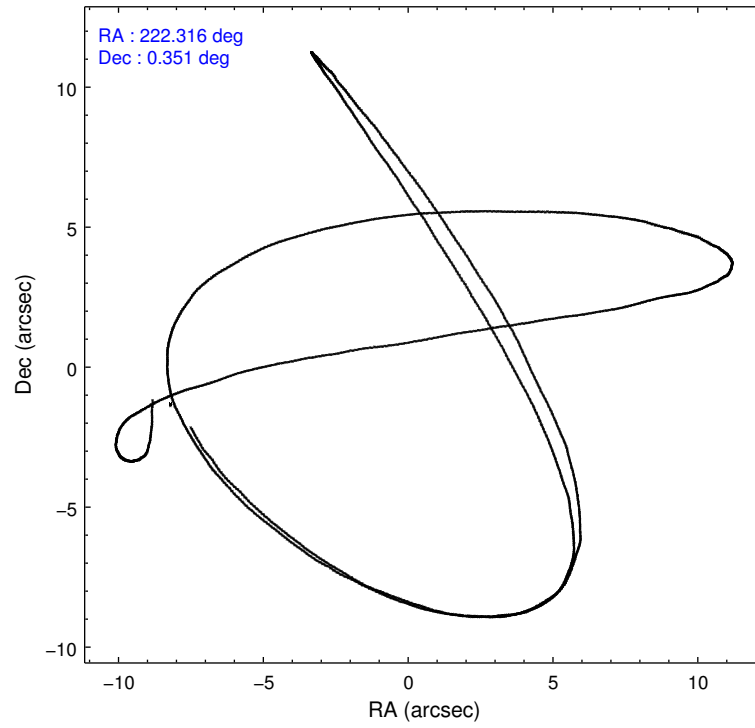
2.1.4 Events

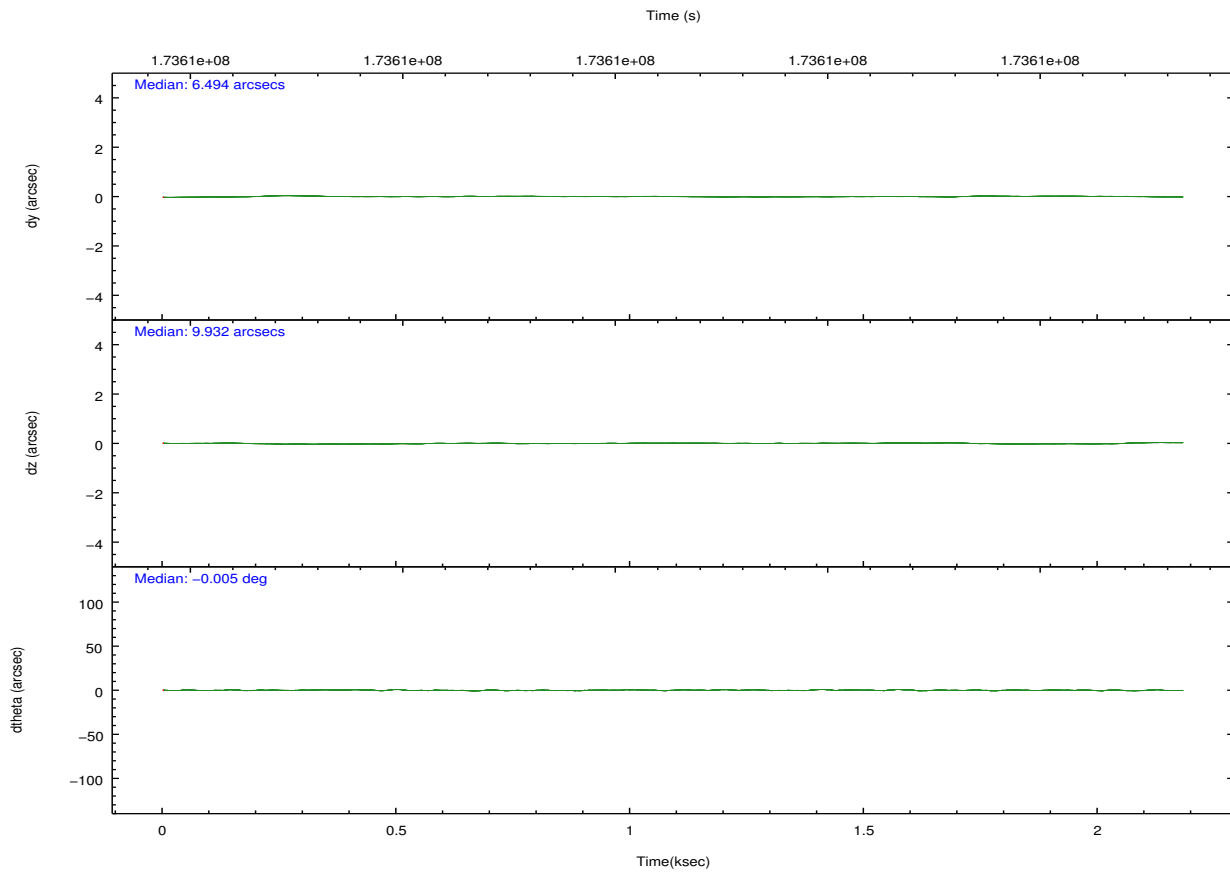
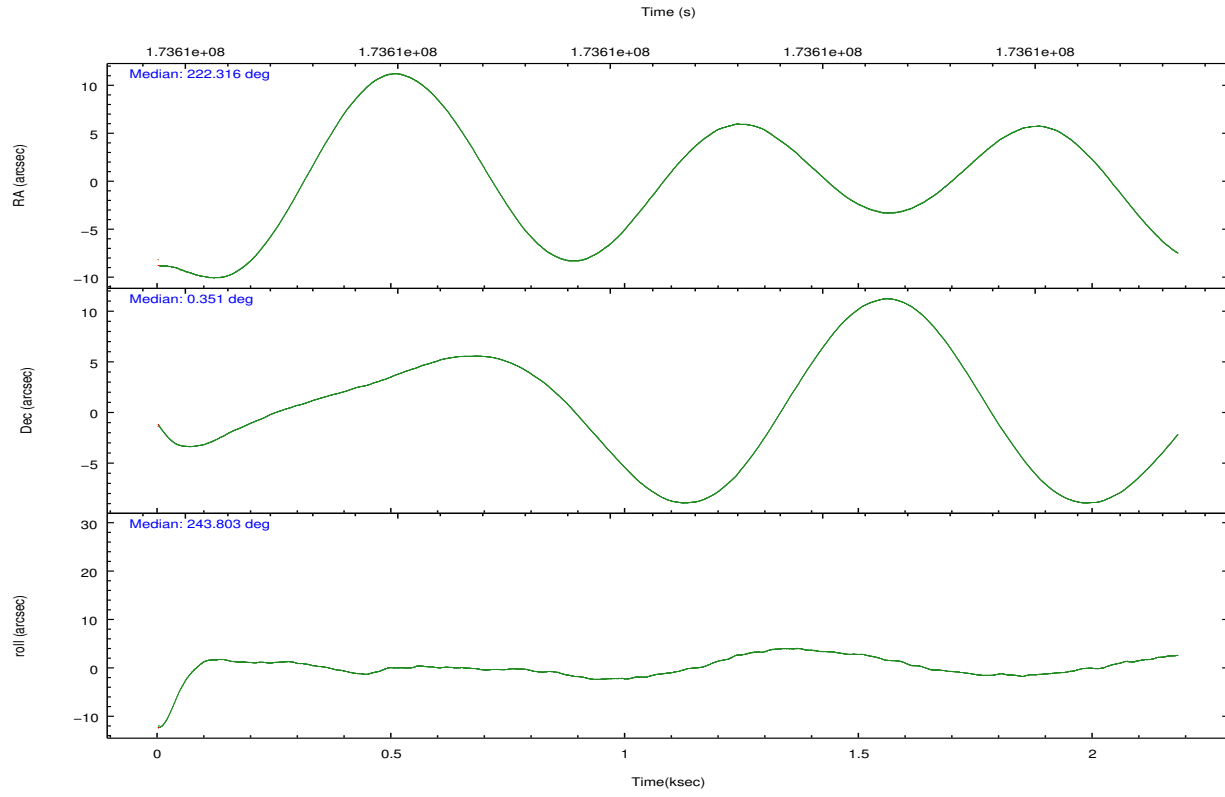
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	18554	18113	29904	18934	26362	24321	grade 0 events	1097	1032	2280	1028	1141	1808
rejected events	16919	16567	20222	17267	18512	20537		5%	5%	7%	5%	4%	7%
rejected %	91%	91%	67%	91%	70%	84%	grade 1 events	9	10	110	8	40	20
								0%	0%	0%	0%	0%	0%
							grade 2 events	476	428	4188	492	2255	1159
								2%	2%	14%	2%	8%	4%
							grade 3 events	213	214	568	238	1049	587
								1%	1%	1%	1%	3%	2%
							grade 4 events	217	206	545	242	1022	560
								1%	1%	1%	1%	3%	2%
							grade 5 events	681	798	2069	835	2507	1125
								3%	4%	6%	4%	9%	4%
							grade 6 events	338	402	6833	462	5805	1387
								1%	2%	22%	2%	22%	5%
							grade 7 events	15523	15023	13311	15629	12543	17675
								83%	82%	44%	82%	47%	72%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	222.313787	222.3158895025827	Subarray requested	NONE	NONE
[deg] Pointing Dec	0.378412	0.3511118482936905	Alternating exposures requested	N	N
[deg] Pointing Roll	243.654728	243.8112774667577	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	173608232.184000	173606637.03546			
Observation start date	2003-07-03T08:29:28	2003-07-03T08:03:57			
[s] Observation end time (MET)	173610232.184000	173610816.98564			
Observation end date	2003-07-03T09:02:48	2003-07-03T09:13:36			
Read mode	TIMED	TIMED			

2.3 Aspect



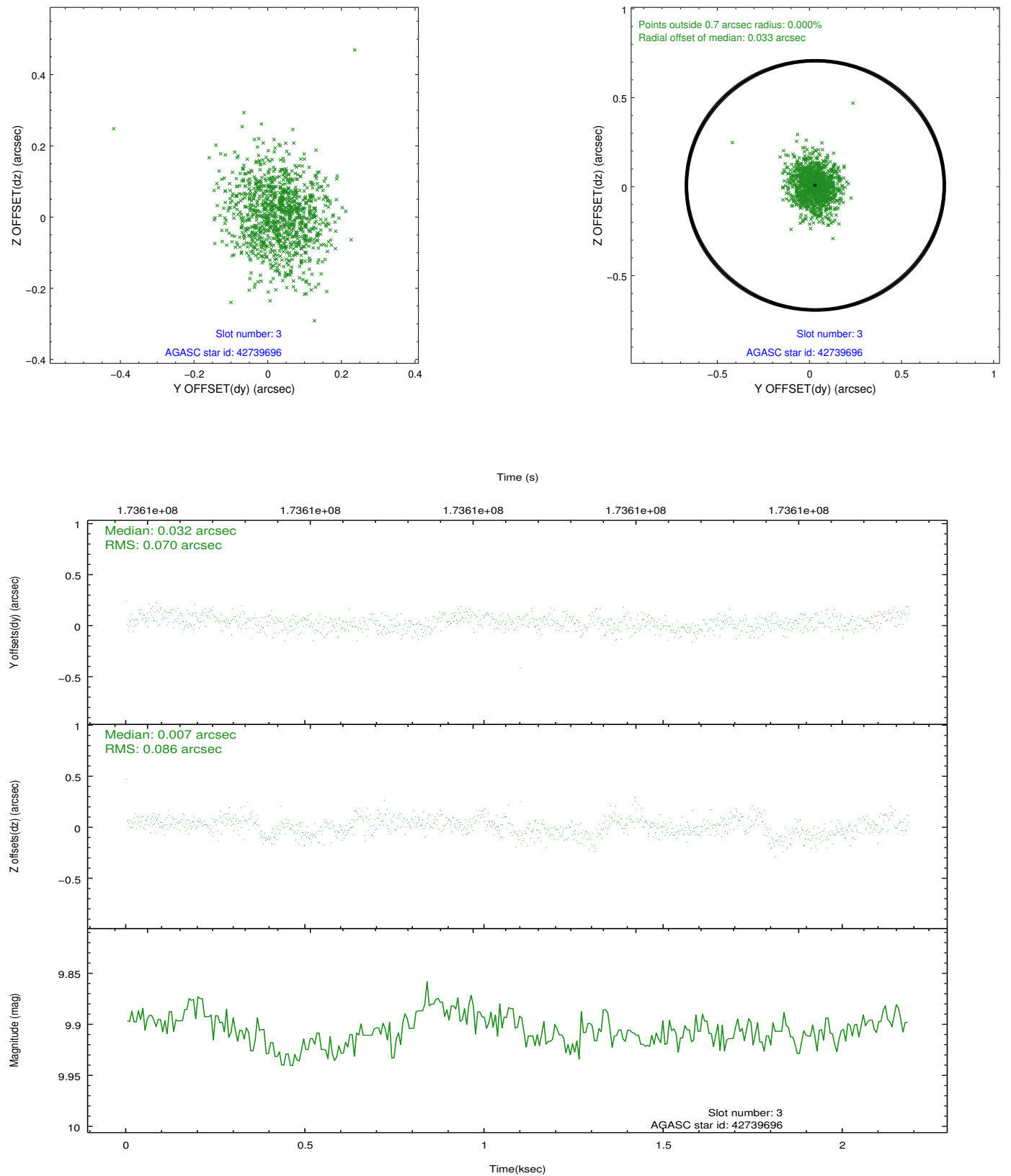


Slot Statistics

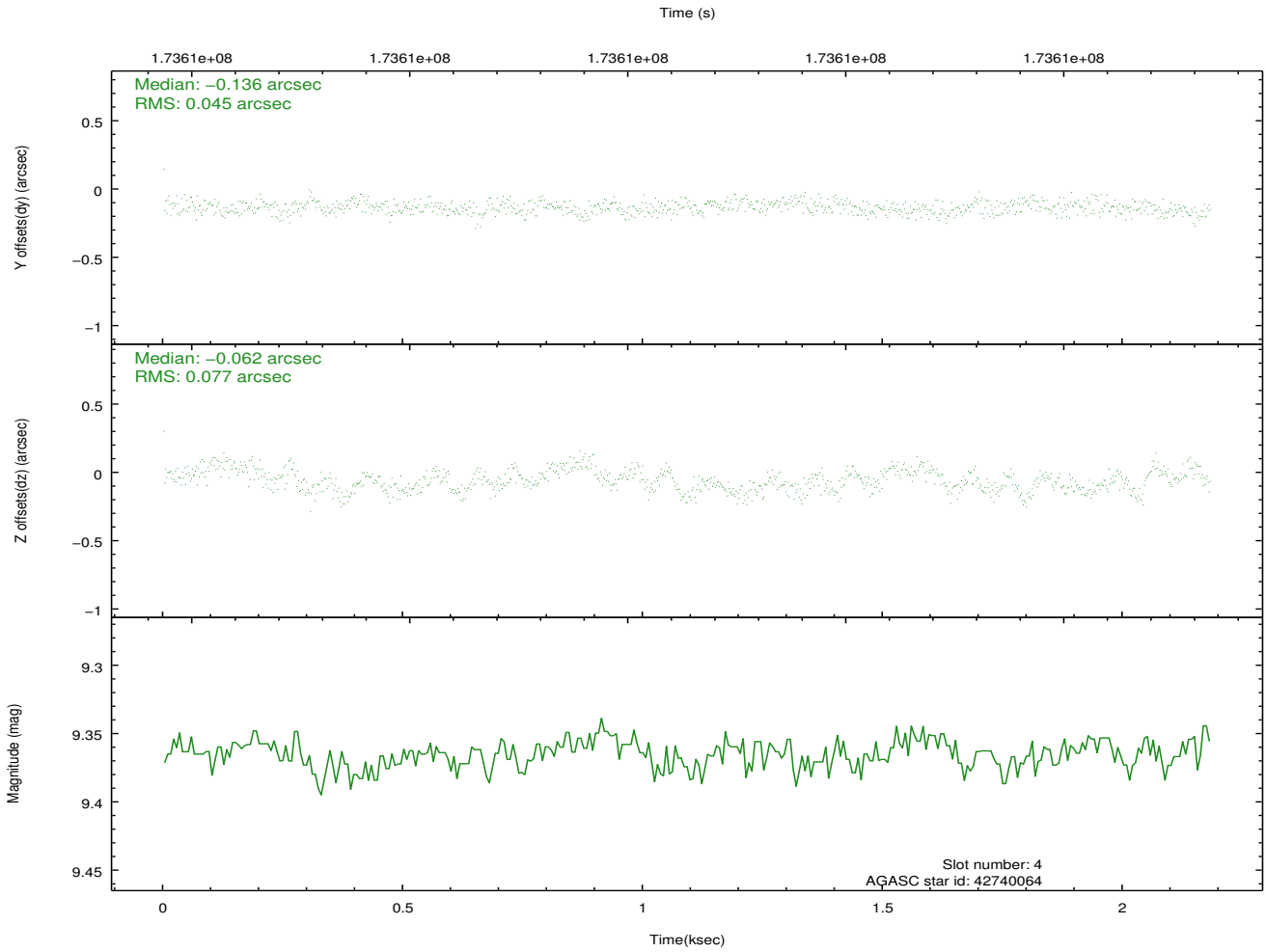
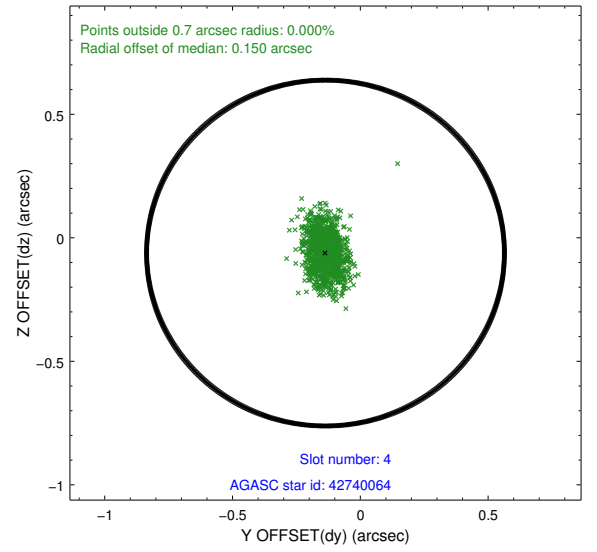
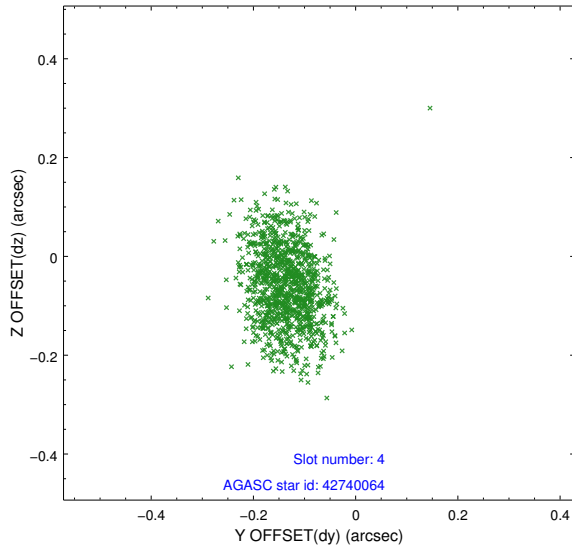
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	533	-0.060	-0.023	0.007	0.010	0.000000	0.000000	-759.26	-1731.21
1	FID	ACIS-S-4	7.20	533	0.076	0.035	0.005	0.009	0.000000	0.000000	2152.77	174.29
2	FID	ACIS-S-5	7.23	532	-0.047	-0.003	0.006	0.010	0.000000	0.000000	-1808.28	171.26
3	GUIDE	42739696	9.91	1065	0.032	0.007	0.117	0.191	221.804683	0.329335	971.61	-1563.83
4	GUIDE	42740064	9.36	1065	-0.136	-0.062	0.092	0.155	222.016092	0.872392	-1117.36	-1751.19
5	GUIDE	42862688	8.52	1065	-0.083	0.099	0.062	0.096	222.786006	0.556783	-1331.39	1236.62
6	GUIDE	653525192	7.89	1065	0.041	0.082	0.062	0.096	222.513730	-0.005578	917.72	1260.07
7	GUIDE	42737032	9.83	1063	0.145	-0.130	0.146	0.224	221.987097	0.426110	368.92	-1128.93

2.4 Star Slots

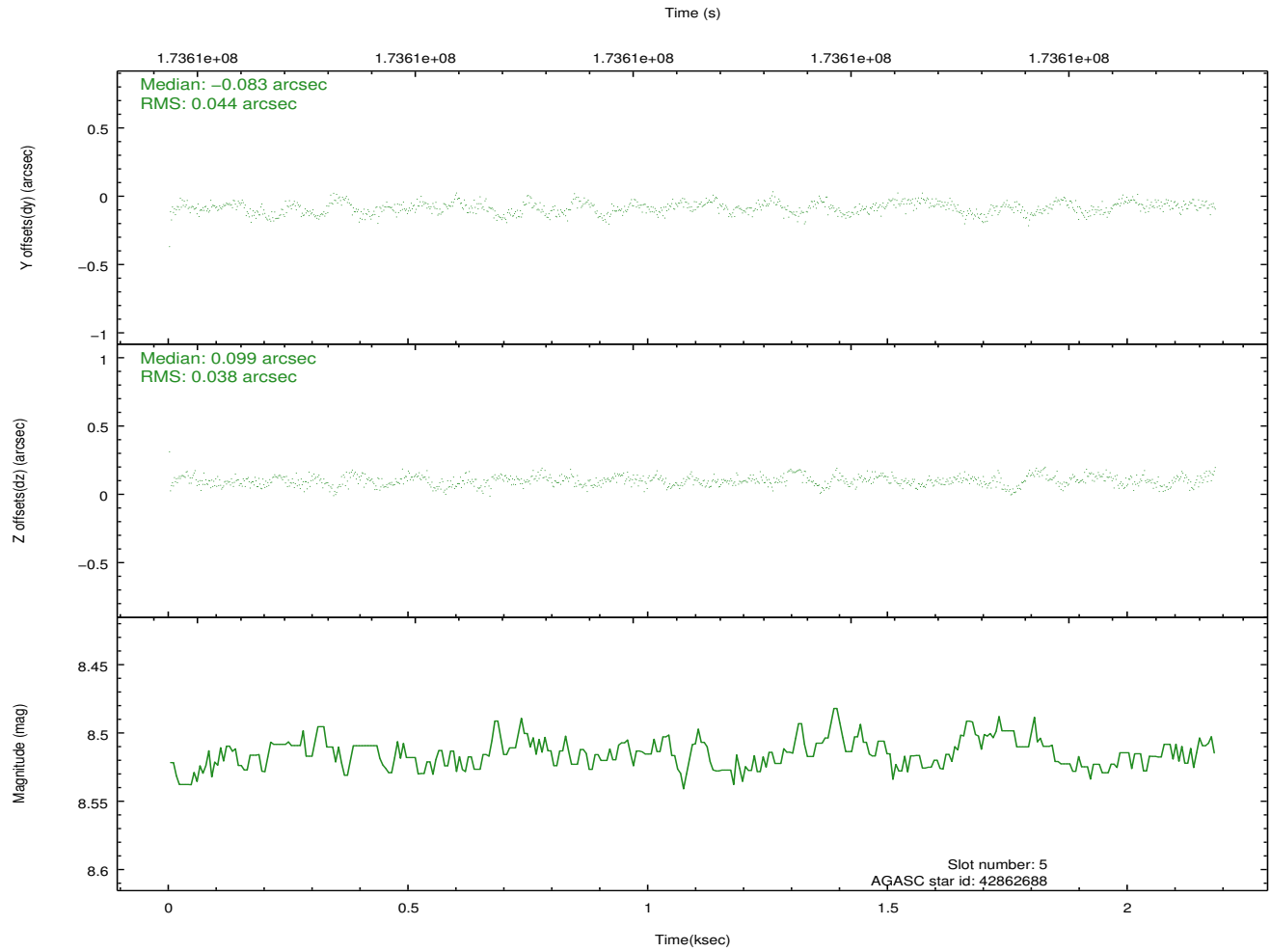
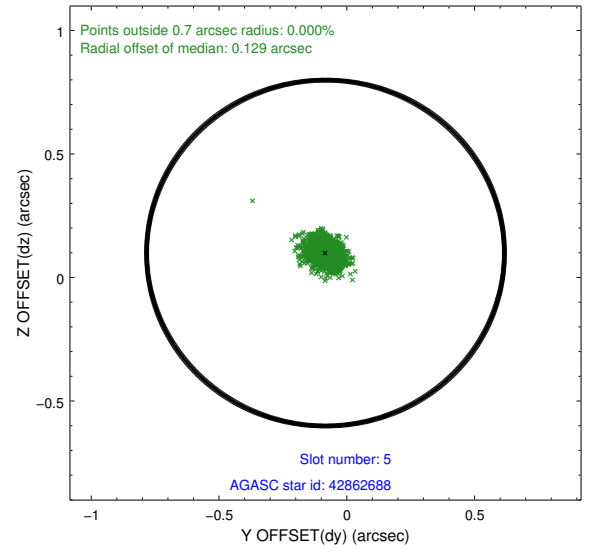
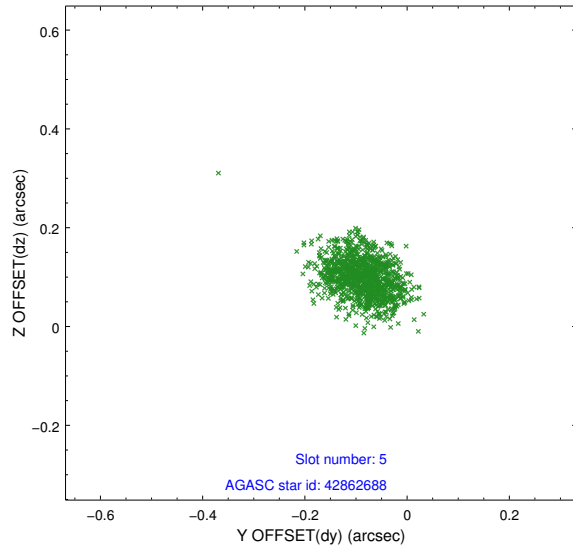
2.4.1 Slot 3



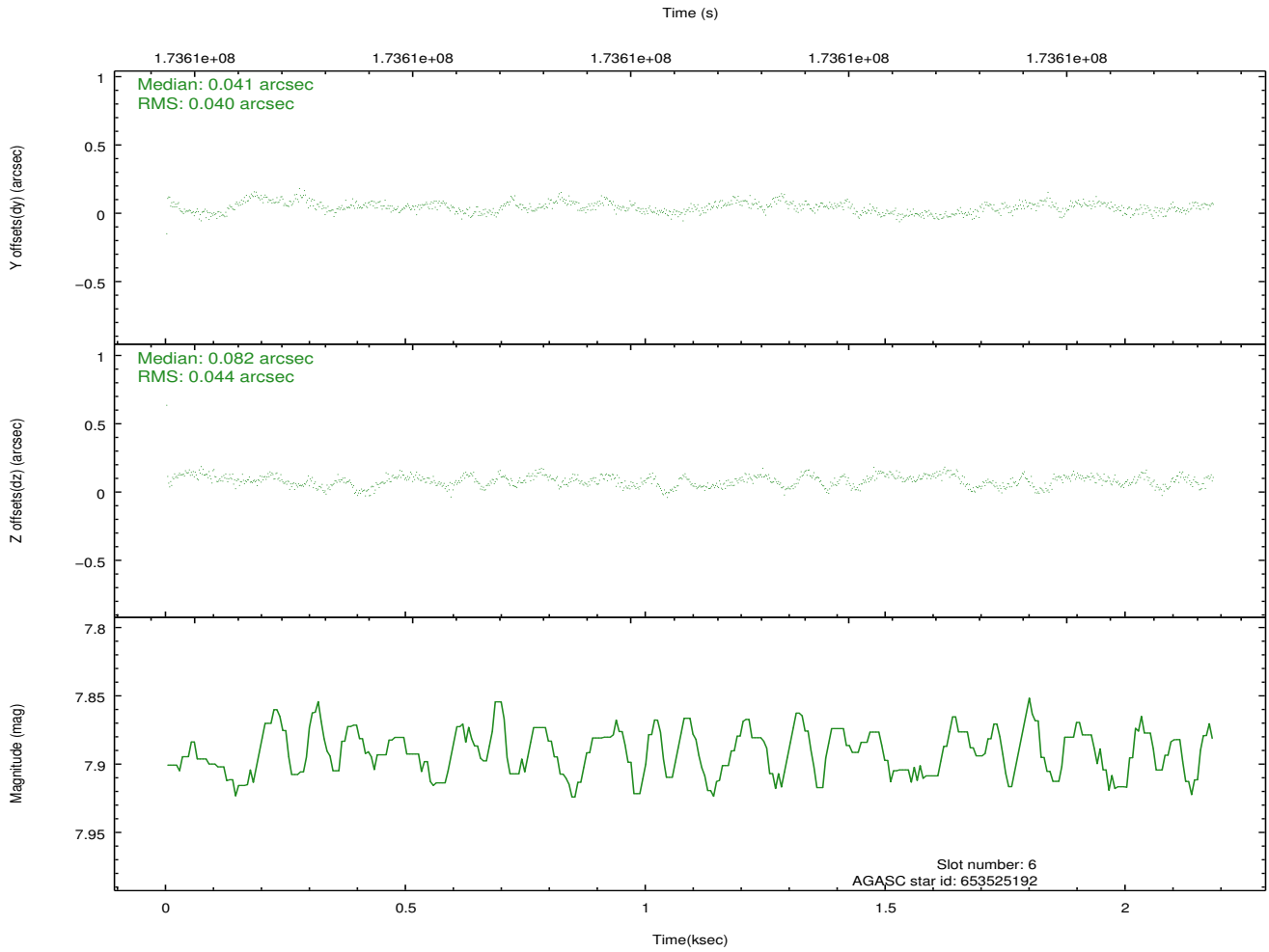
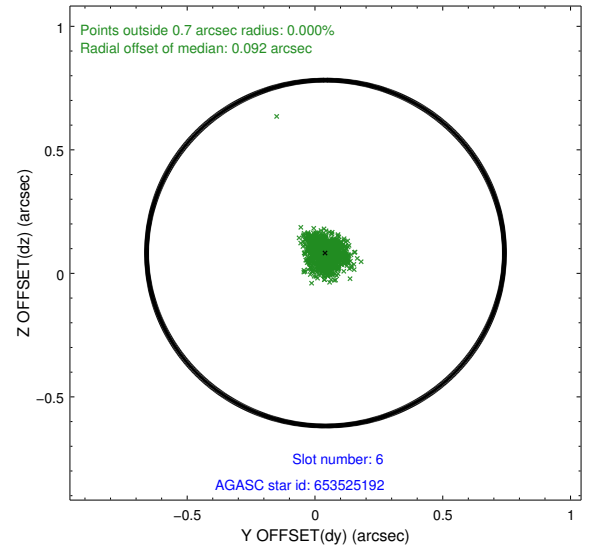
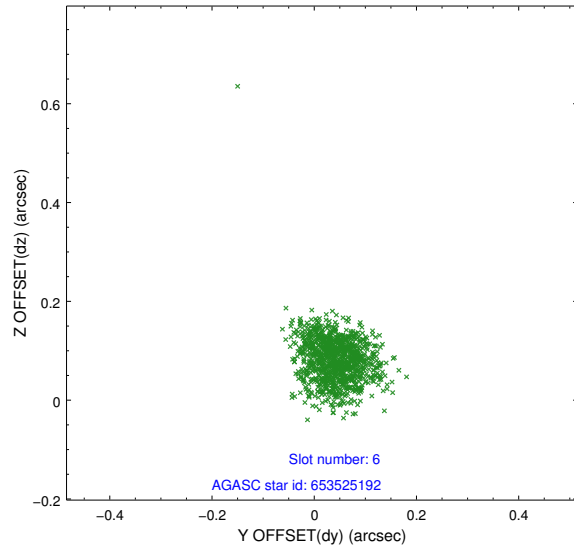
2.4.2 Slot 4



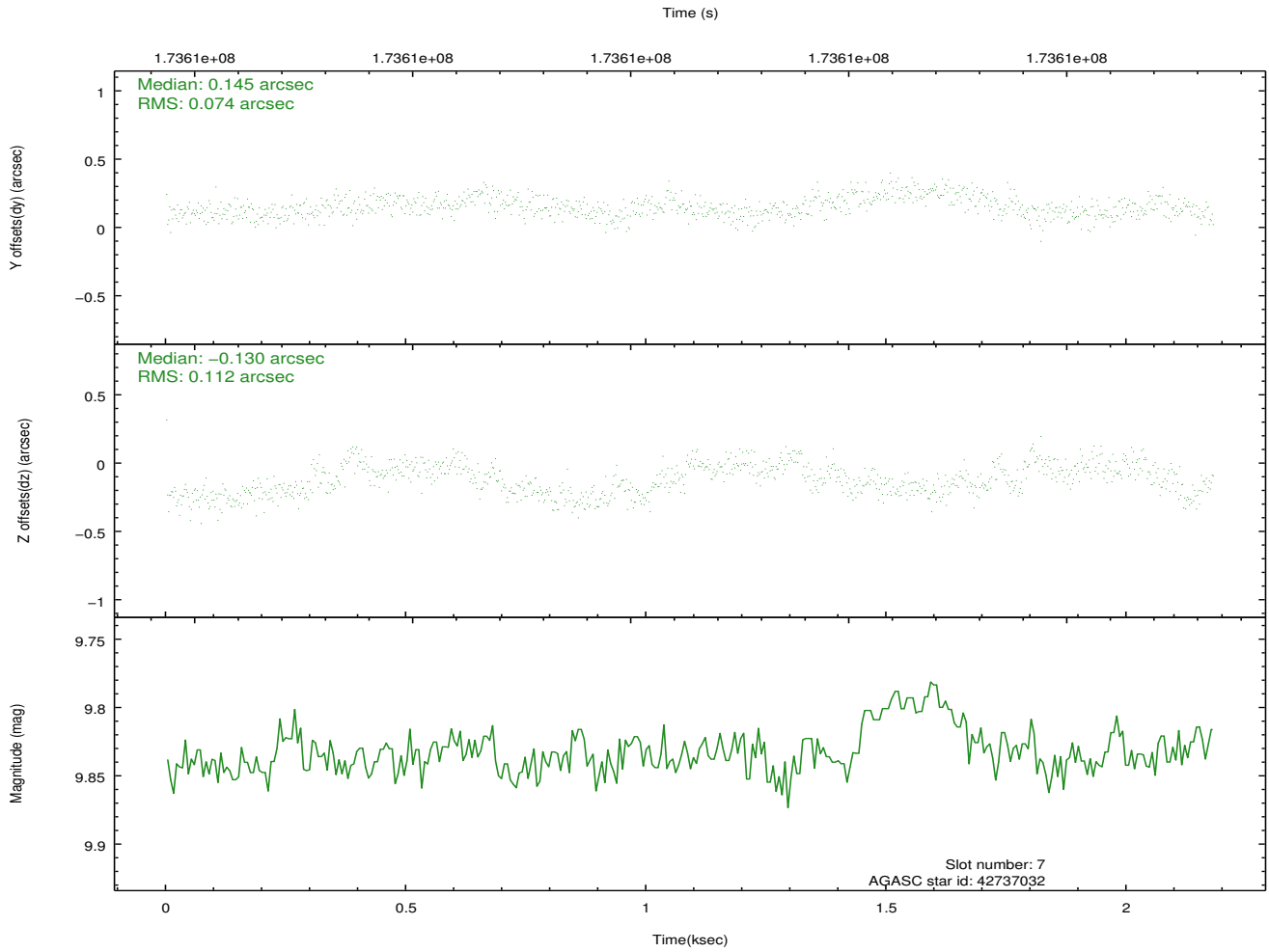
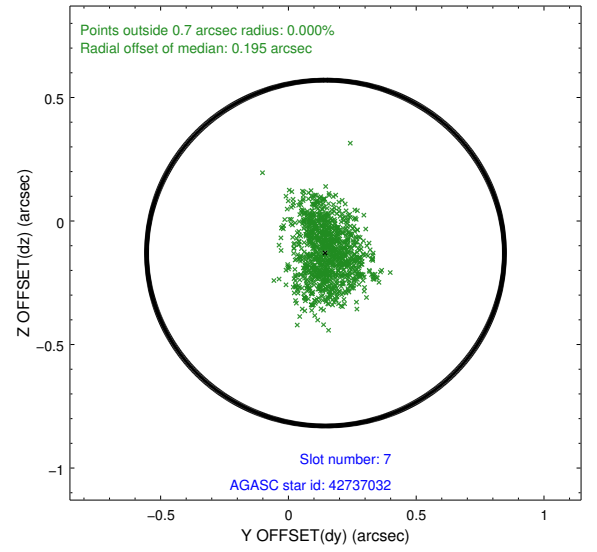
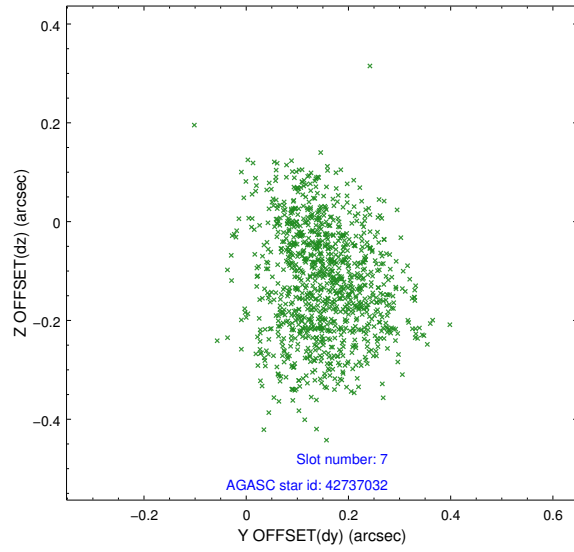
2.4.3 Slot 5



2.4.4 Slot 6

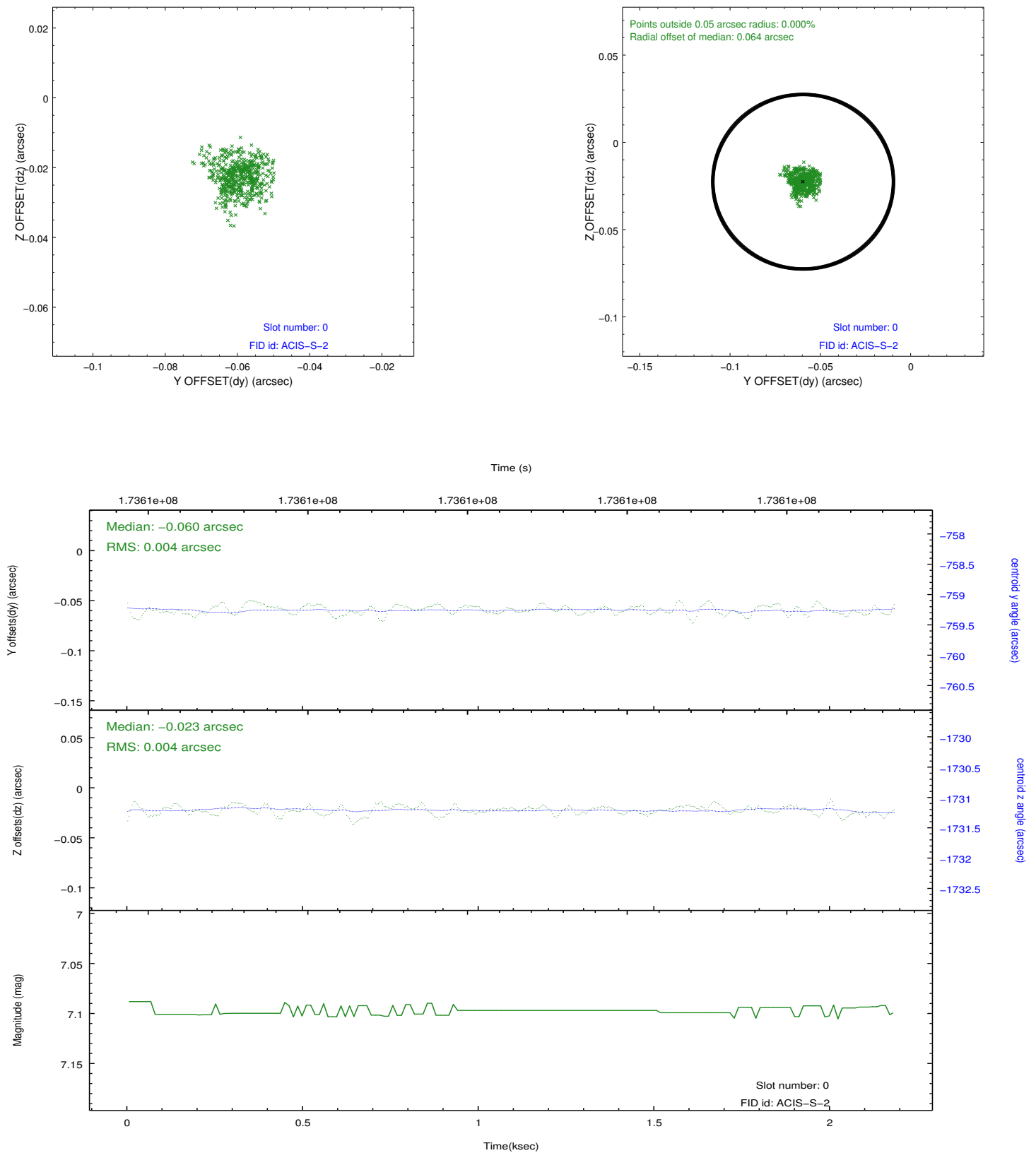


2.4.5 Slot 7

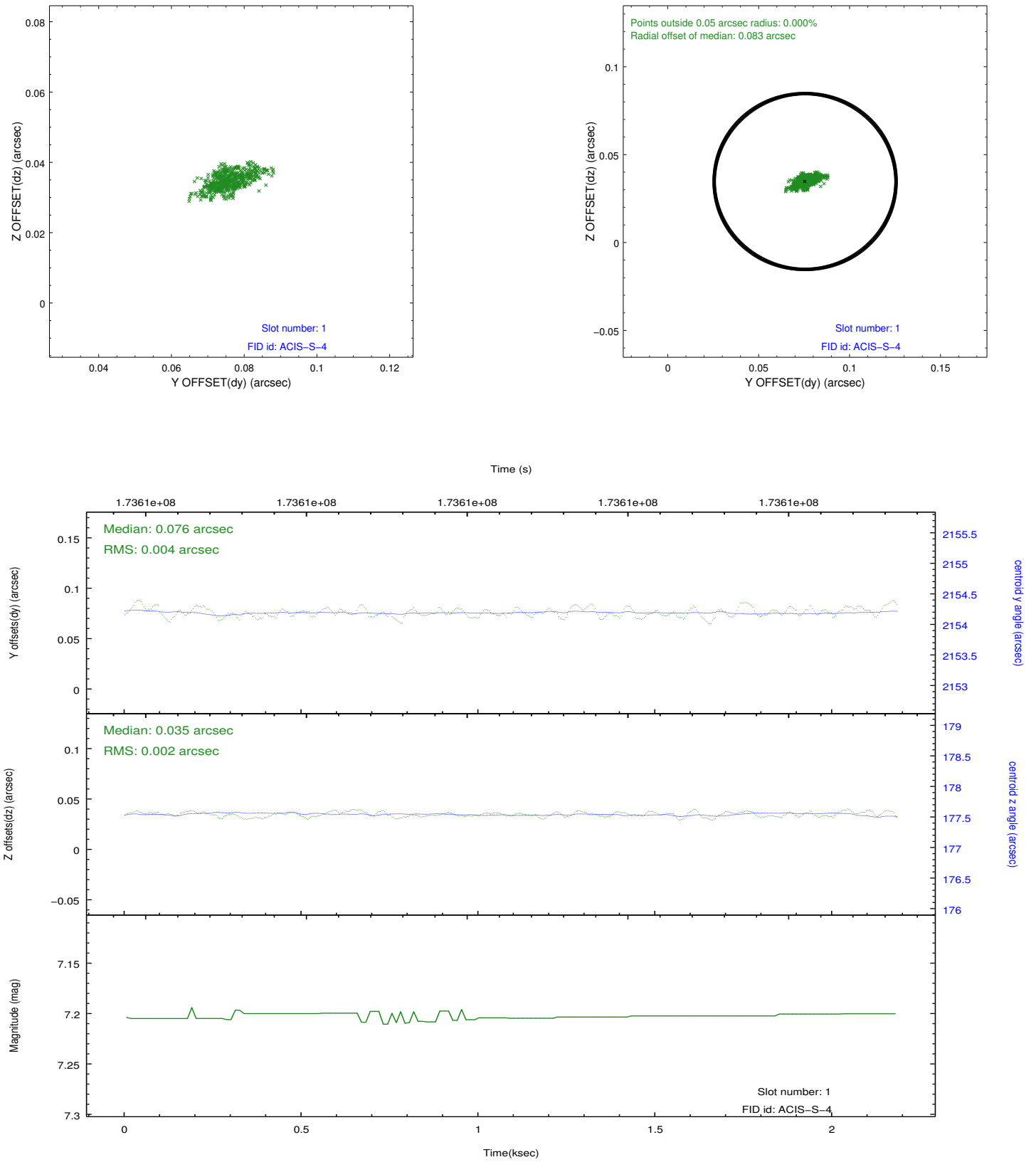


2.5 FID Slots

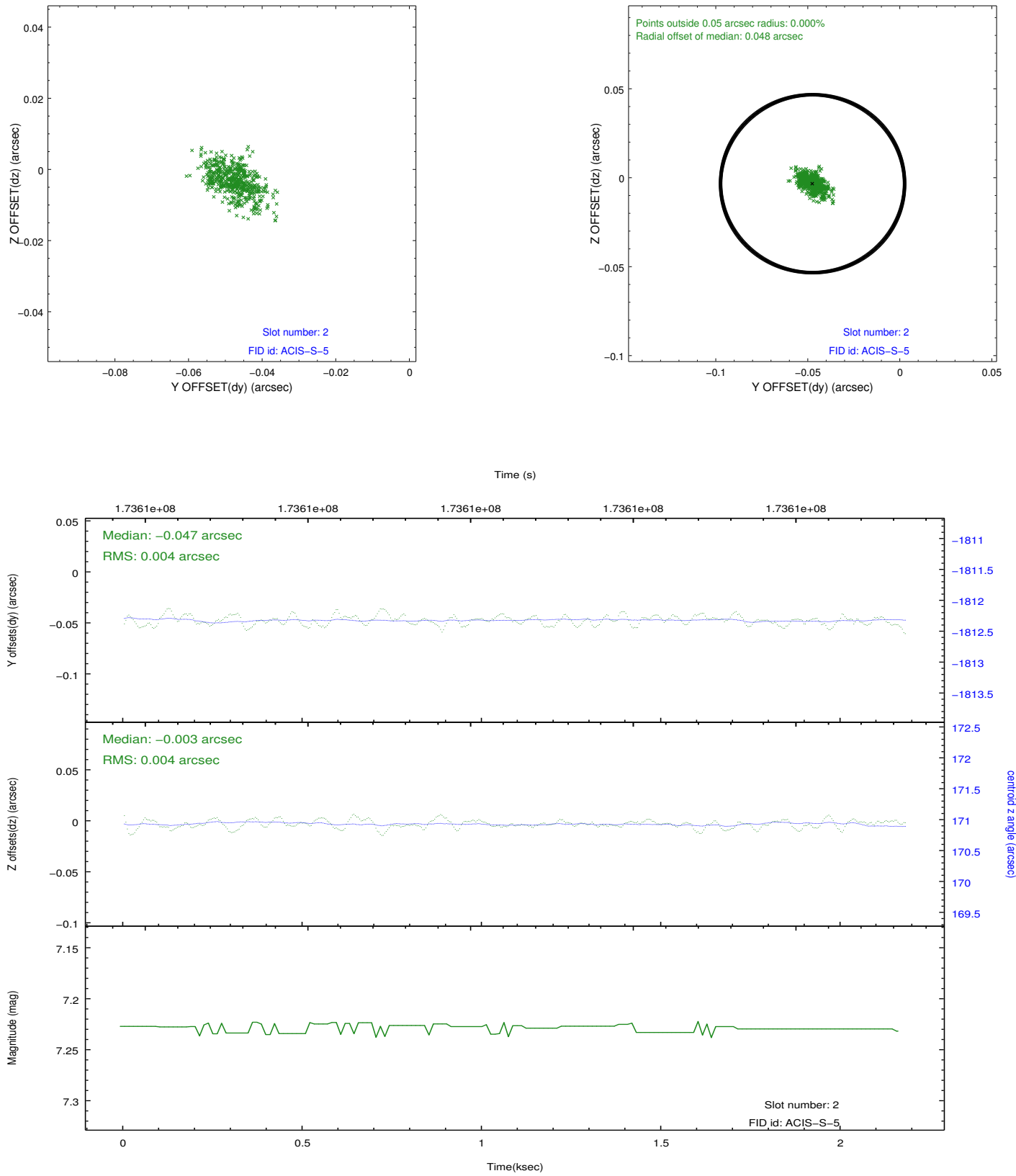
2.5.1 Slot 0



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)	2012.11.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.176

A.2 Comments