

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3024 - L2 Version 3
Chandra X-Ray Center

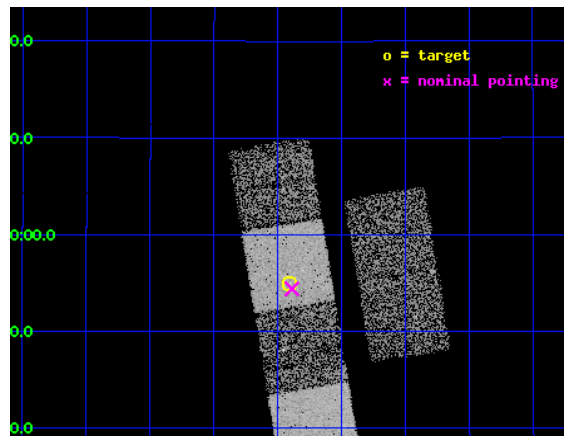
L2 Processing Date : Oct 11 2012

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

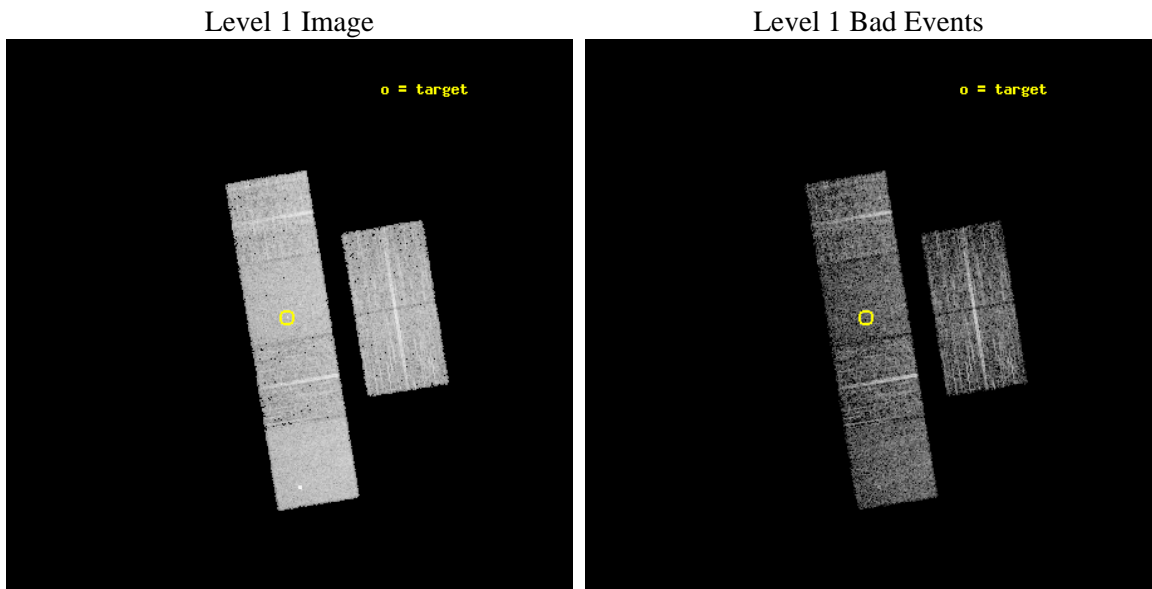
seq_num	700463	Sequence number
obs_id	3024	Observation id
title	A SYSTEMATIC X-RAY SURVEY OF SUBMILLIMETRE-LUMINOUS QUASARS	Propos
observer	Dr Robert Priddey	Principal investigator
object	HS1140+2711	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	175.726125	Observer's specified target RA [deg]
dec_targ	26.916056	Observer's specified target Dec [deg]
ra_nom	175.72242899522	Nominal RA [deg]
dec_nom	26.906928394077	Nominal Dec [deg]
roll_nom	260.71362751095	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4966.0441862345	Sum of GTIs [s]
livetime	4903.1611445556	Livetime [s]
ontime2	4966.0852262378	Sum of GTIs [s]
ontime3	4965.9210662246	Sum of GTIs [s]
ontime5	4966.0031462312	Sum of GTIs [s]
ontime6	4965.9621062279	Sum of GTIs [s]
ontime7	4966.0441862345	Sum of GTIs [s]
ontime8	4965.8800262511	Sum of GTIs [s]
l2events	51663	Number of level 2 events



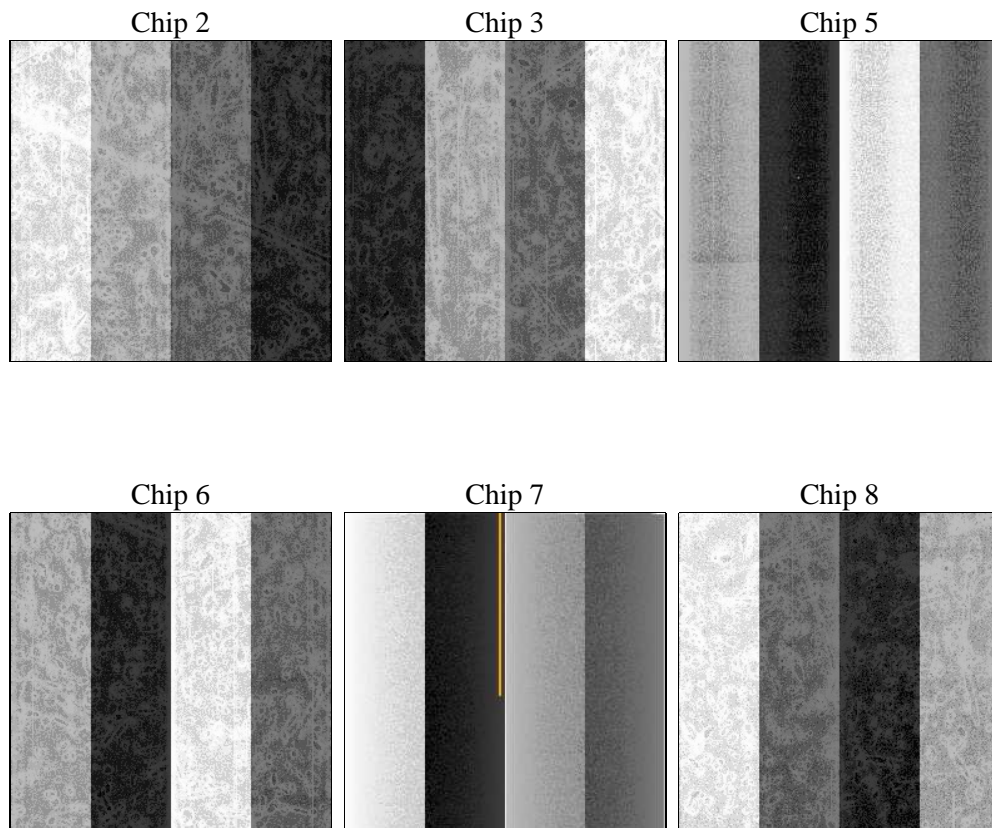
2 OBI

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	8.4.5	Processing system revision	ontime	4966.0441862345	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	4966.0852262378	Sum of GTIs [s]
date	2012-10-11T12:50:17	Date and time of file creation	ontime3	4965.9210662246	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4966.0031462312	Sum of GTIs [s]
			ontime6	4965.9621062279	Sum of GTIs [s]
			ontime7	4966.0441862345	Sum of GTIs [s]
			ontime8	4965.8800262511	Sum of GTIs [s]
			l1events	235137	Number of level 1 events

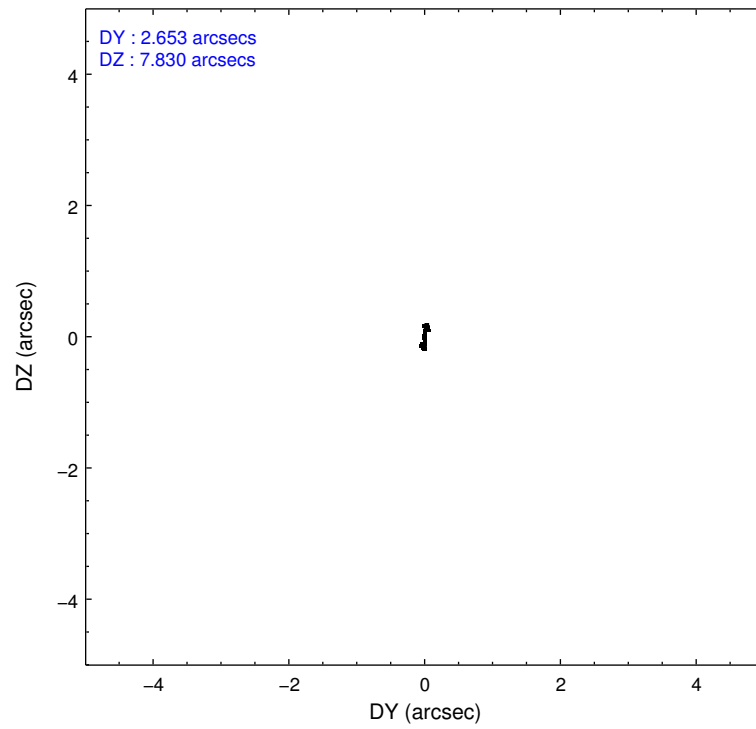
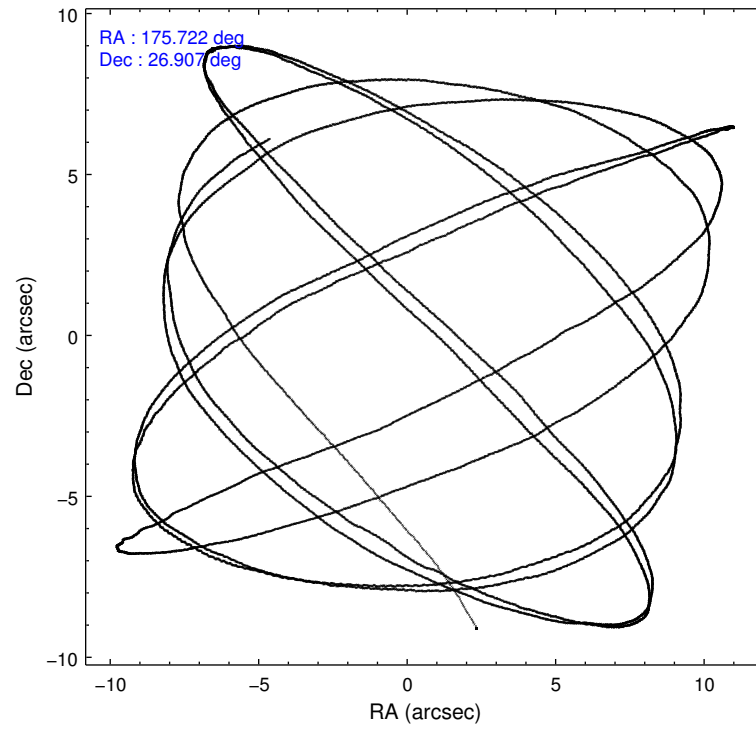
2.1.4 Events

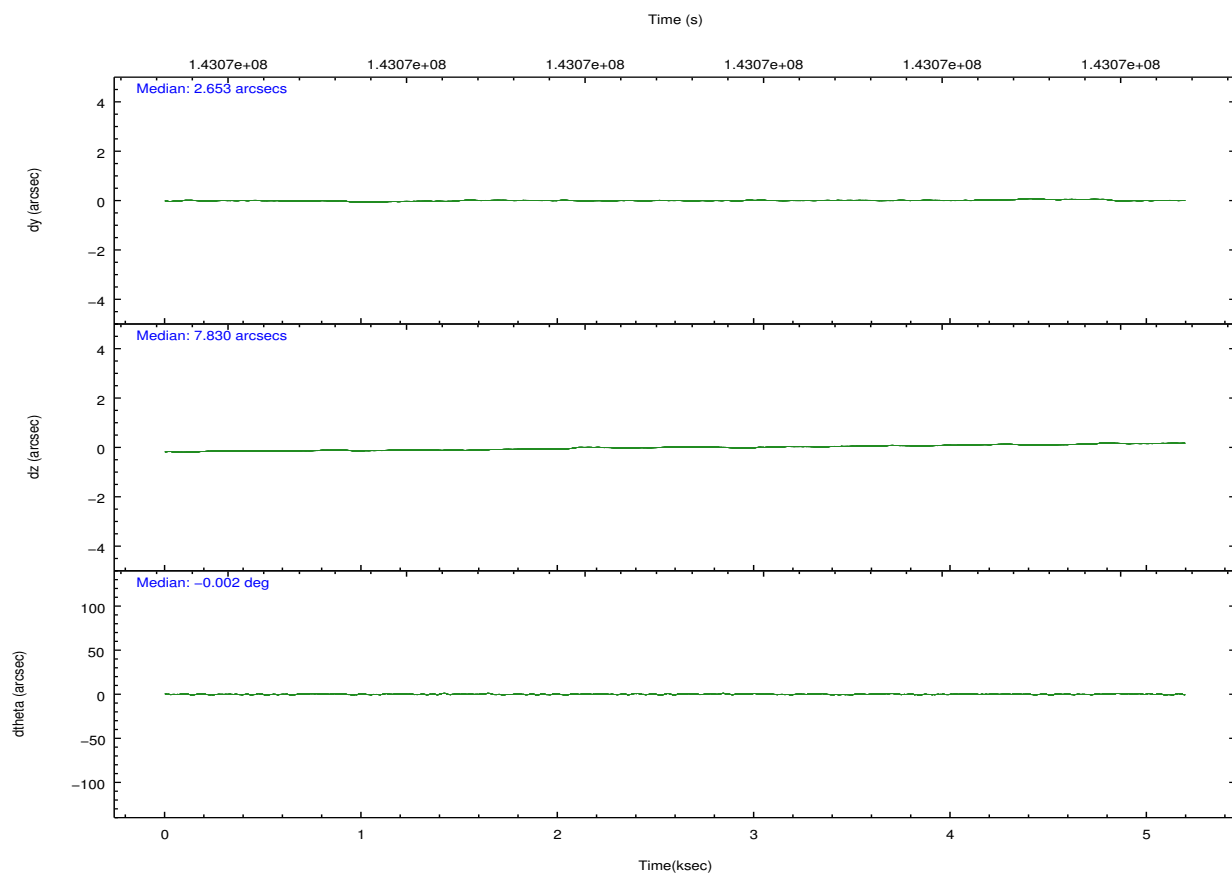
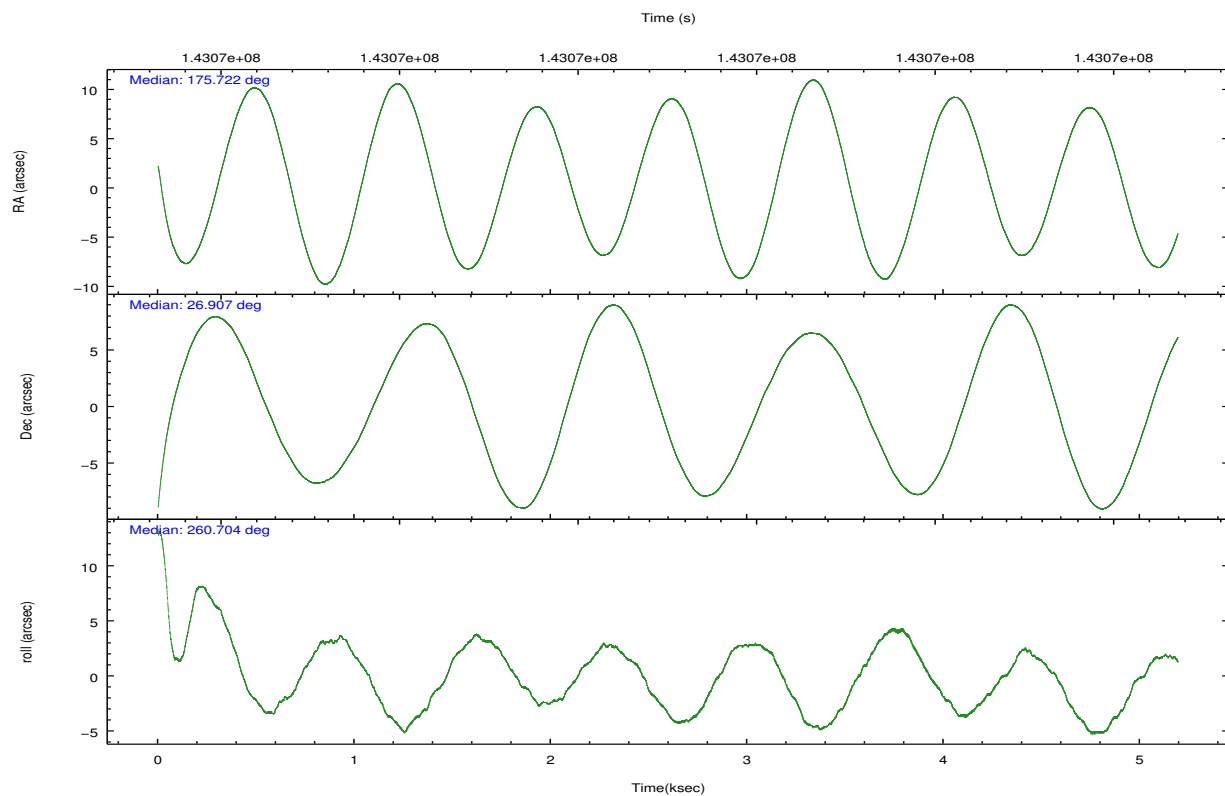
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	36649	32443	47679	33647	42853	41866	grade 0 events	1685	1539	1691	1697	1754	2568
rejected events	32694	28819	26268	29617	24819	33353		4%	4%	3%	5%	4%	6%
rejected %	89%	88%	55%	88%	57%	79%	grade 1 events	24	9	51	15	44	32
								0%	0%	0%	0%	0%	0%
							grade 2 events	881	743	6303	807	3570	1855
								2%	2%	13%	2%	8%	4%
							grade 3 events	355	319	1130	370	1541	921
								0%	0%	2%	1%	3%	2%
							grade 4 events	349	346	875	369	1622	881
								0%	1%	1%	1%	3%	2%
							grade 5 events	1166	1305	3540	1477	4131	1826
								3%	4%	7%	4%	9%	4%
							grade 6 events	690	682	11431	790	9569	2295
								1%	2%	23%	2%	22%	5%
							grade 7 events	31499	27500	22658	28122	20622	31488
								85%	84%	47%	83%	48%	75%

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	175.711336	175.7224289952225	Subarray requested	NONE	NONE
[deg] Pointing Dec	26.932269	26.9069283940767	Alternating exposures requested	N	N
[deg] Pointing Roll	260.561991	260.7136275109515	[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)	143066100.184000	143065135.62056			
Observation start date	2002-07-14T20:33:56	2002-07-14T20:18:55			
[s] Observation end time (MET)	143071100.184000	143071606.44583			
Observation end date	2002-07-14T21:57:16	2002-07-14T22:06:46			
Read mode	TIMED	TIMED			

2.3 Aspect



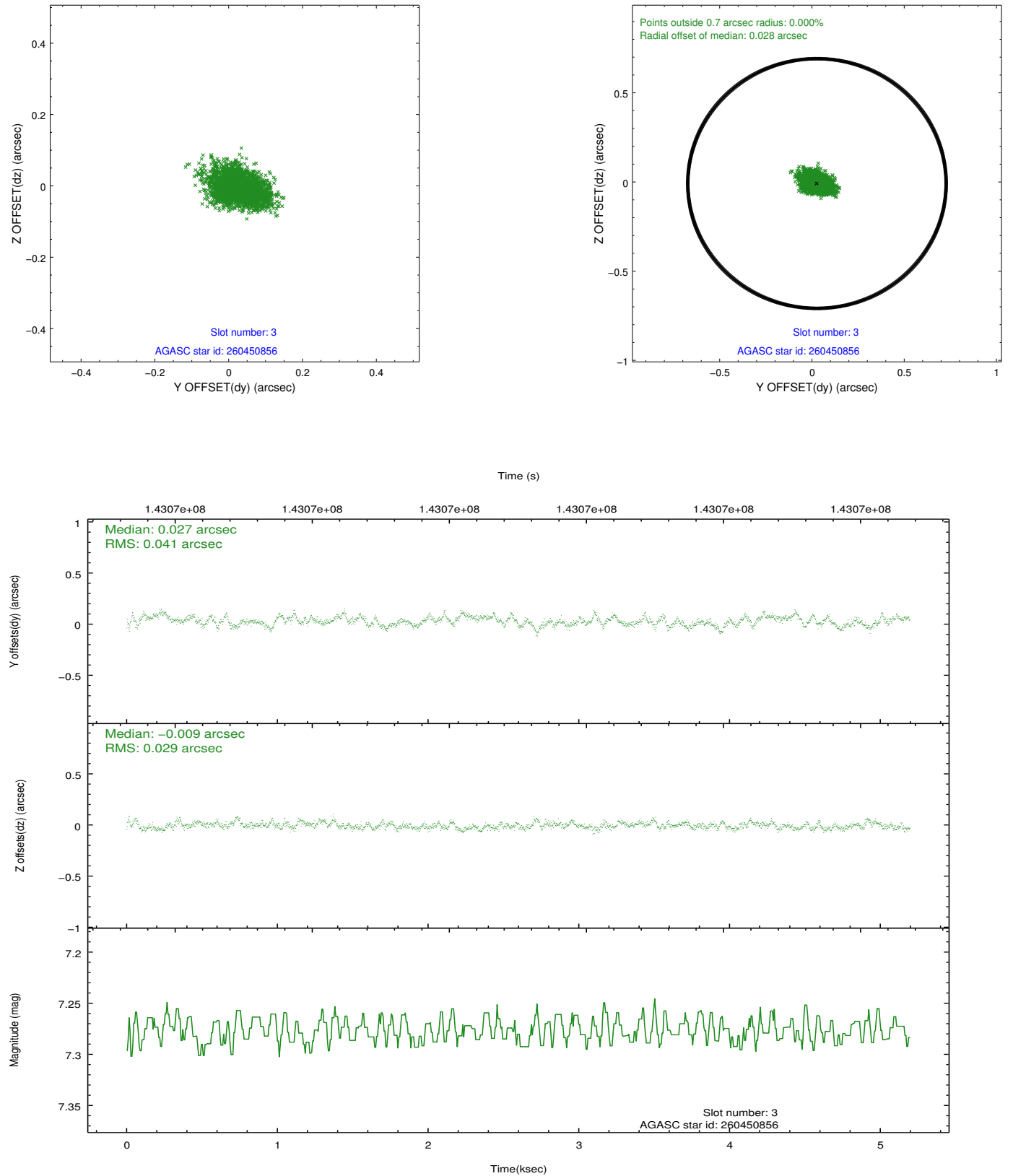


Slot Statistics

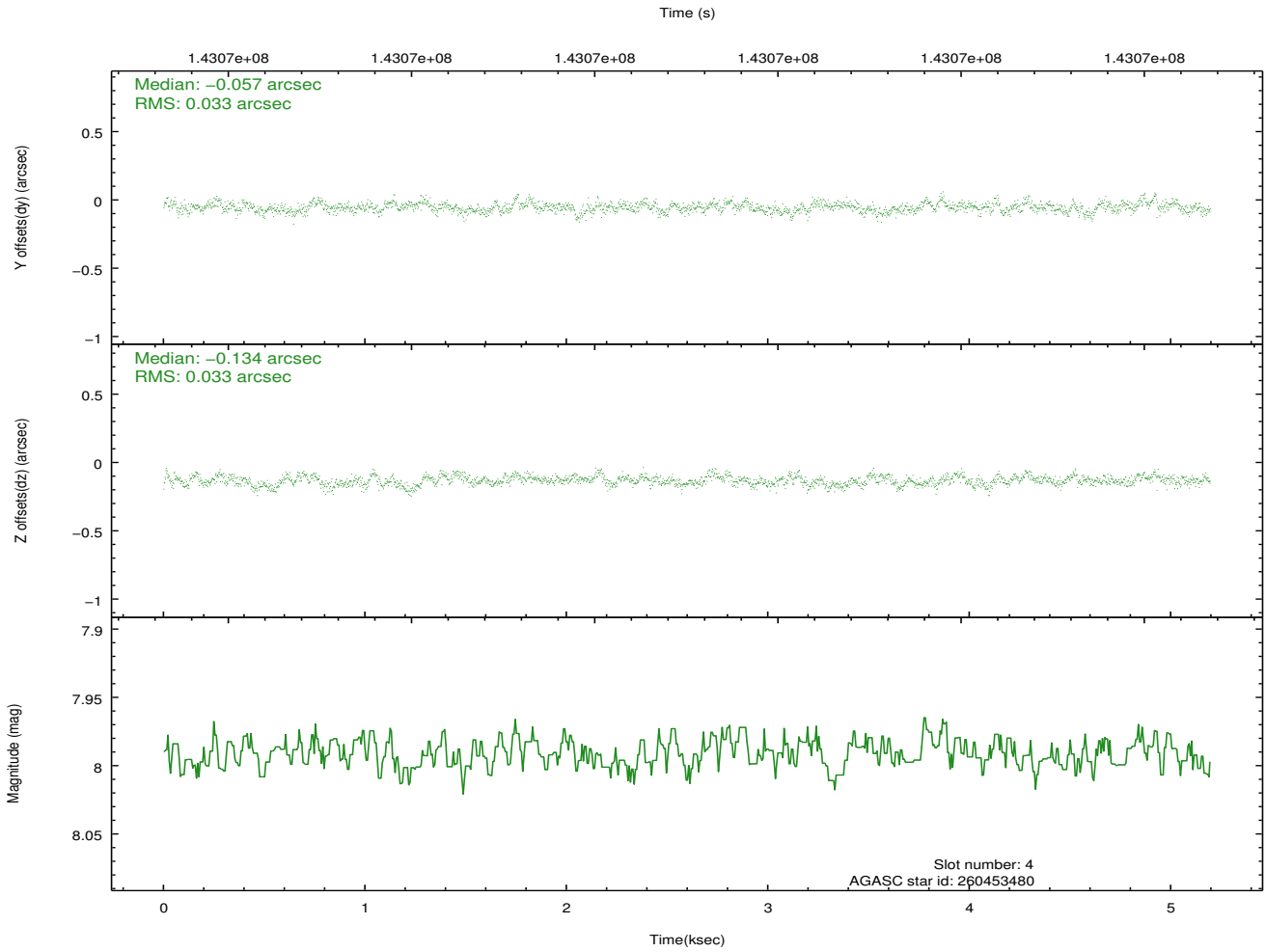
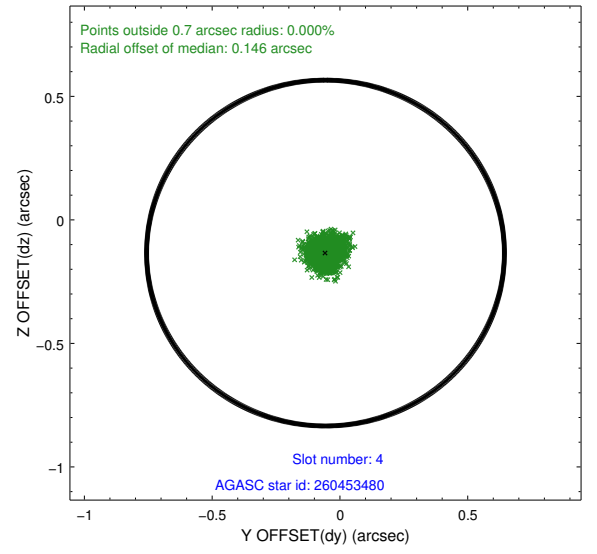
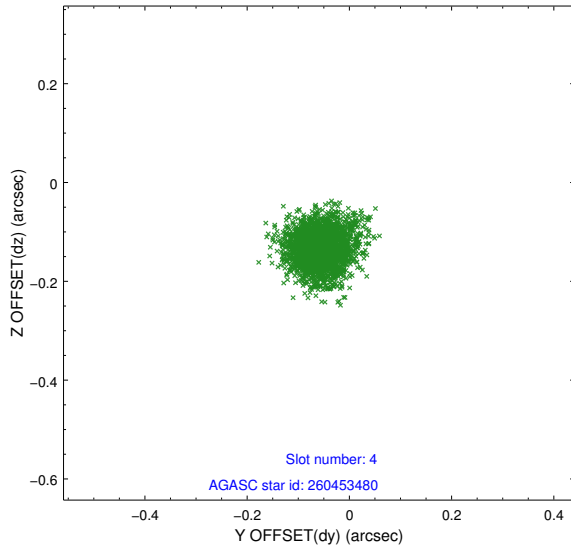
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.34	1266	-0.076	-0.035	0.009	0.015	0.000000	0.000000	57.78	-1858.11
1	FID	ACIS-S-4	7.20	1266	-0.004	0.057	0.006	0.011	0.000000	0.000000	2158.11	178.17
2	FID	ACIS-S-5	7.24	1267	0.053	-0.012	0.007	0.011	0.000000	0.000000	-1806.57	173.31
3	GUIDE	260450856	7.28	2535	0.027	-0.009	0.053	0.088	176.355853	27.217982	-1359.47	1867.72
4	GUIDE	260453480	7.99	2534	-0.057	-0.134	0.050	0.082	175.865114	27.568448	-2341.56	110.76
5	GUIDE	260447656	8.41	2534	0.014	0.087	0.058	0.092	176.243294	27.407138	-1970.51	1398.22
6	GUIDE	260062872	8.86	2529	-0.065	-0.040	0.060	0.096	175.379704	27.626947	-2296.49	-1451.69
7	GUIDE	260064728	9.05	2534	0.079	0.097	0.066	0.108	175.679144	27.248869	-1108.93	-287.56

2.4 Star Slots

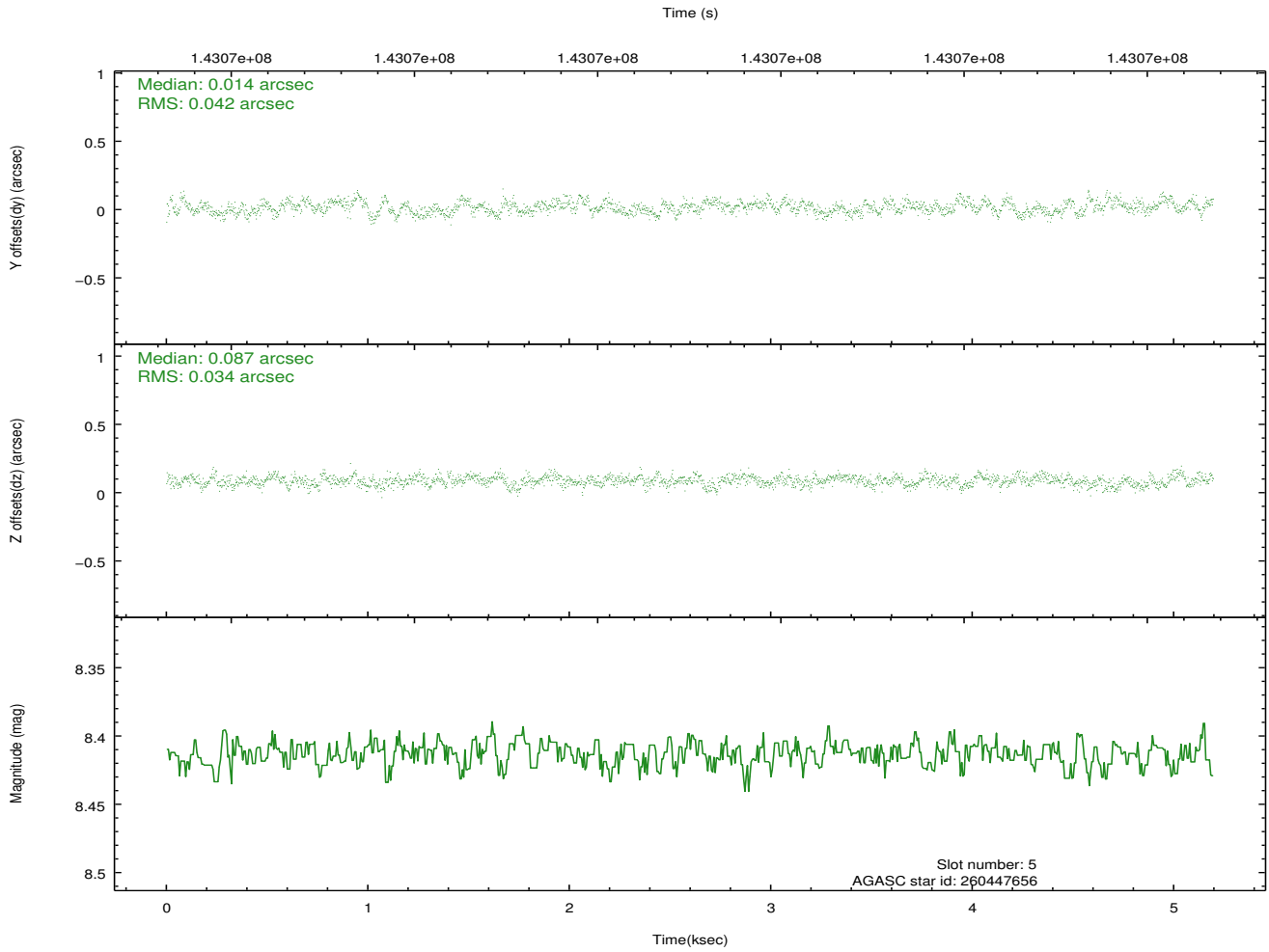
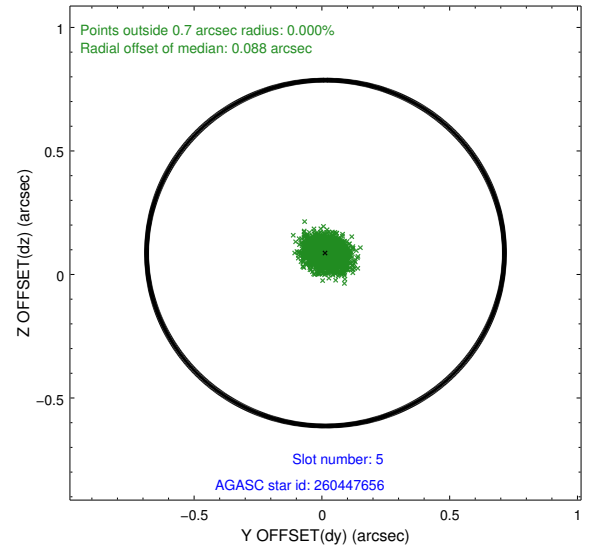
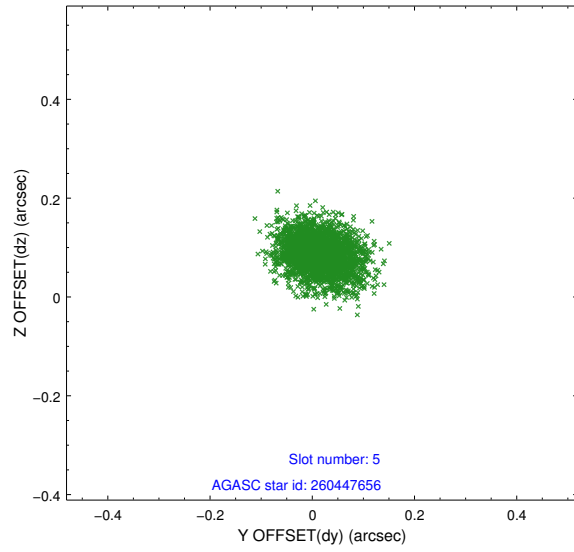
2.4.1 Slot 3



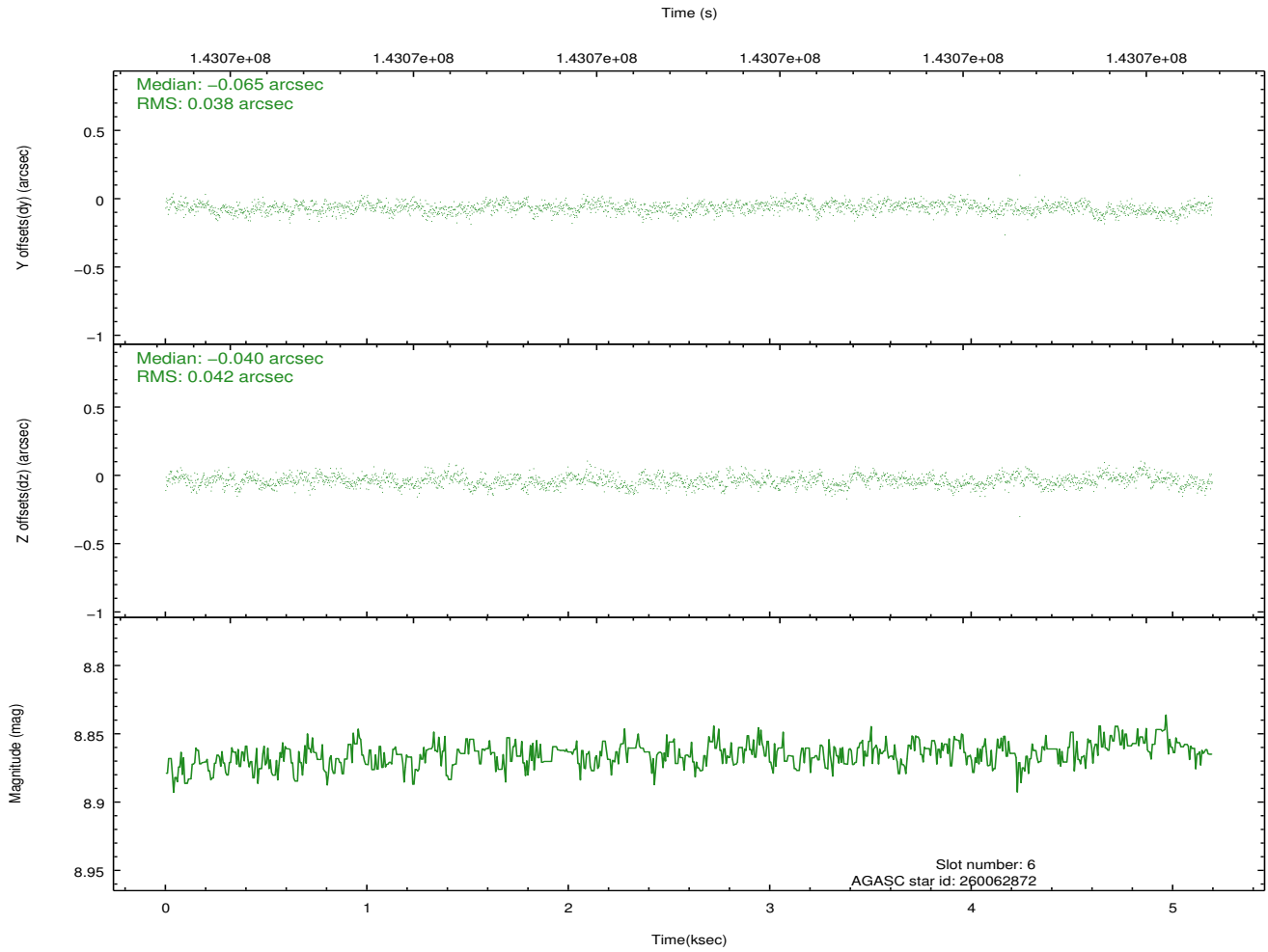
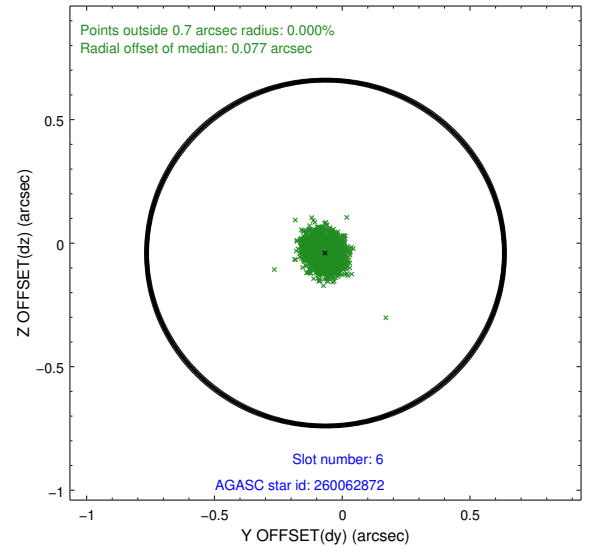
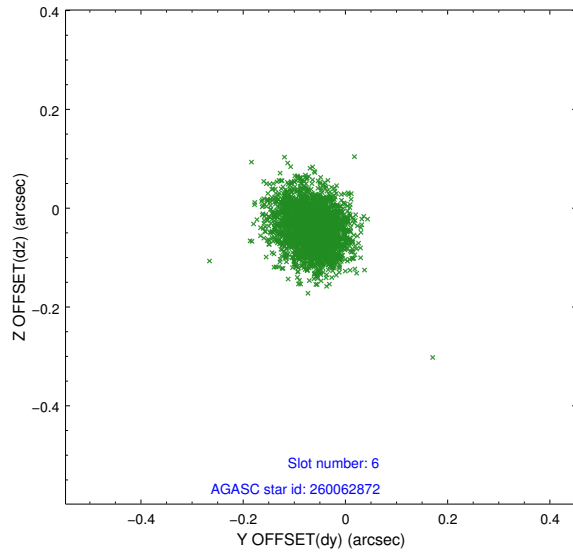
2.4.2 Slot 4



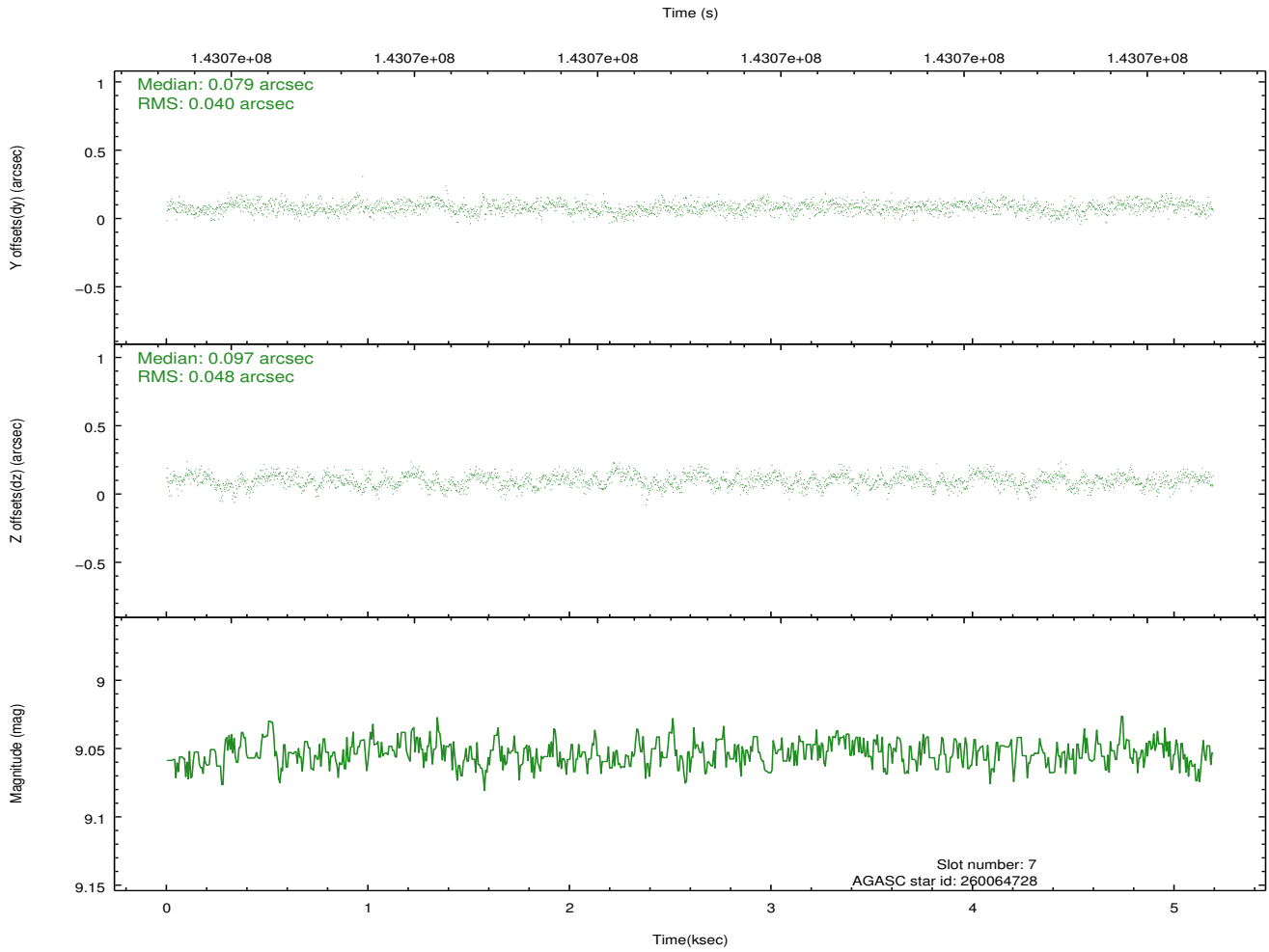
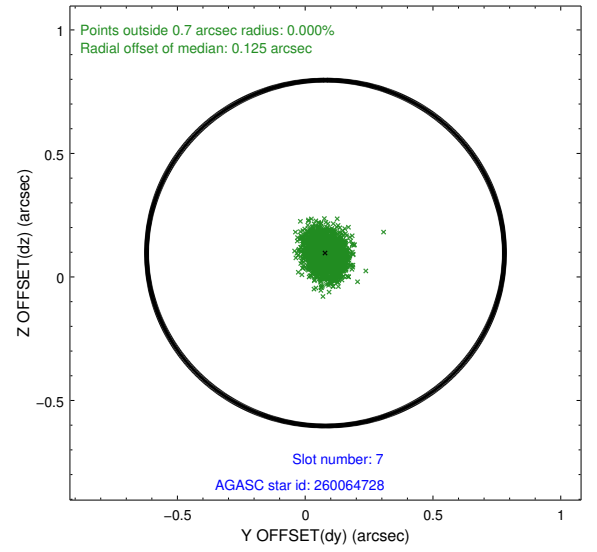
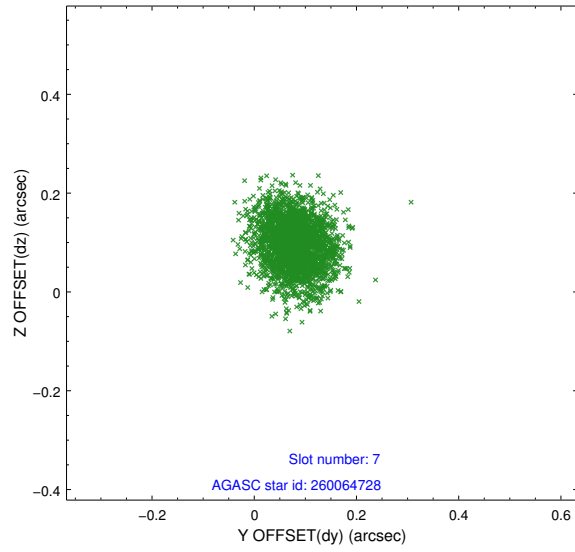
2.4.3 Slot 5



2.4.4 Slot 6

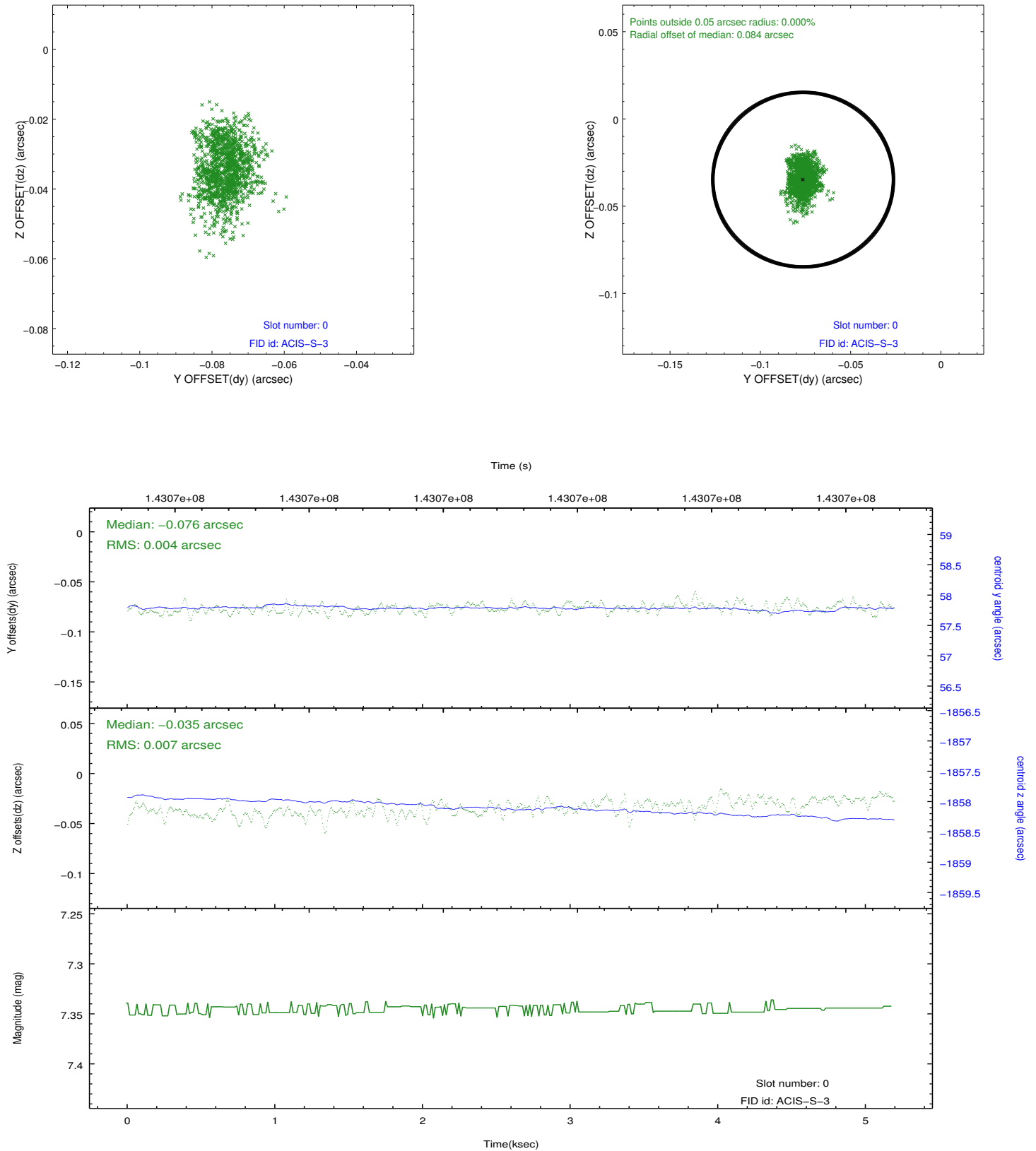


2.4.5 Slot 7

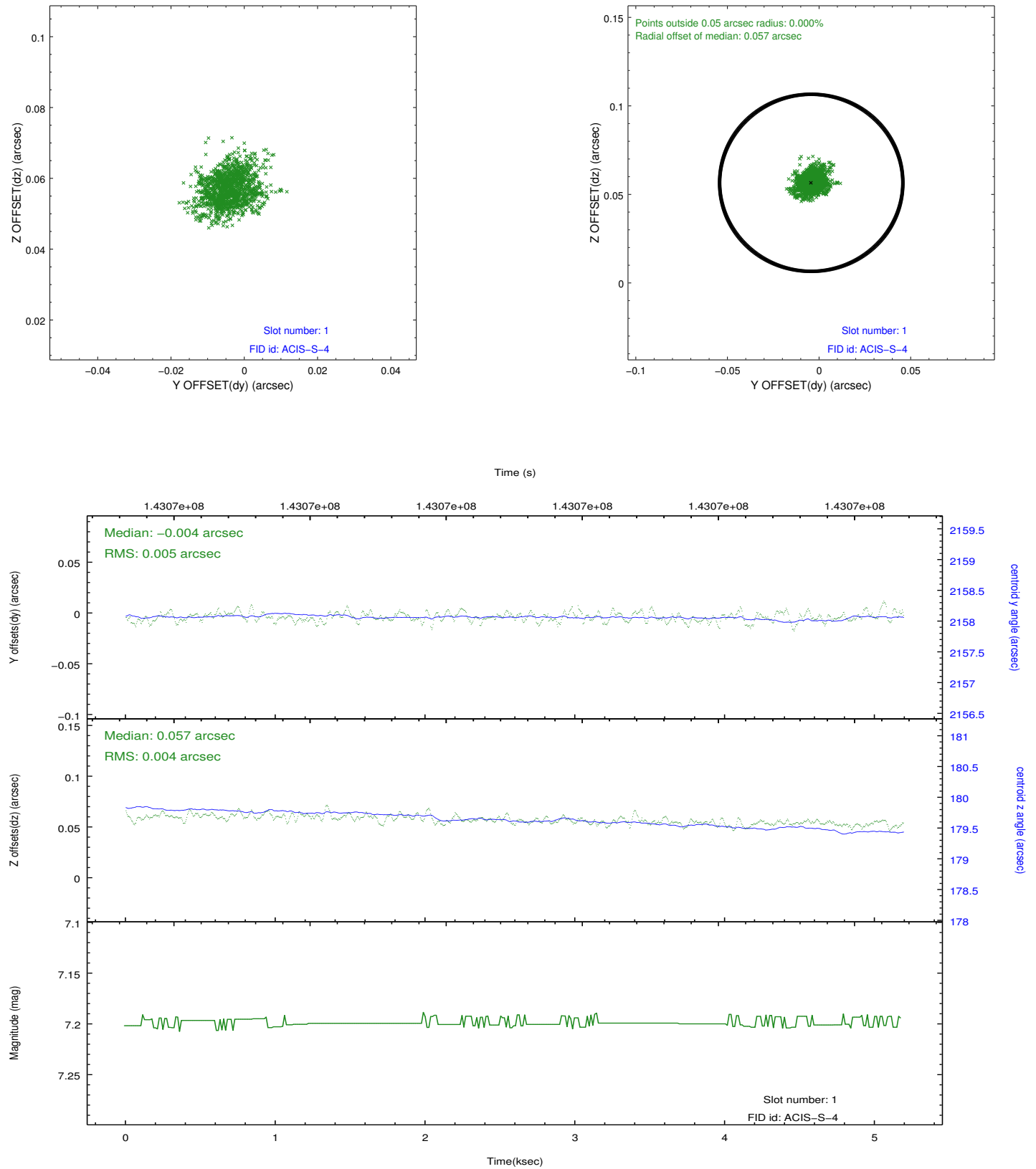


2.5 FID Slots

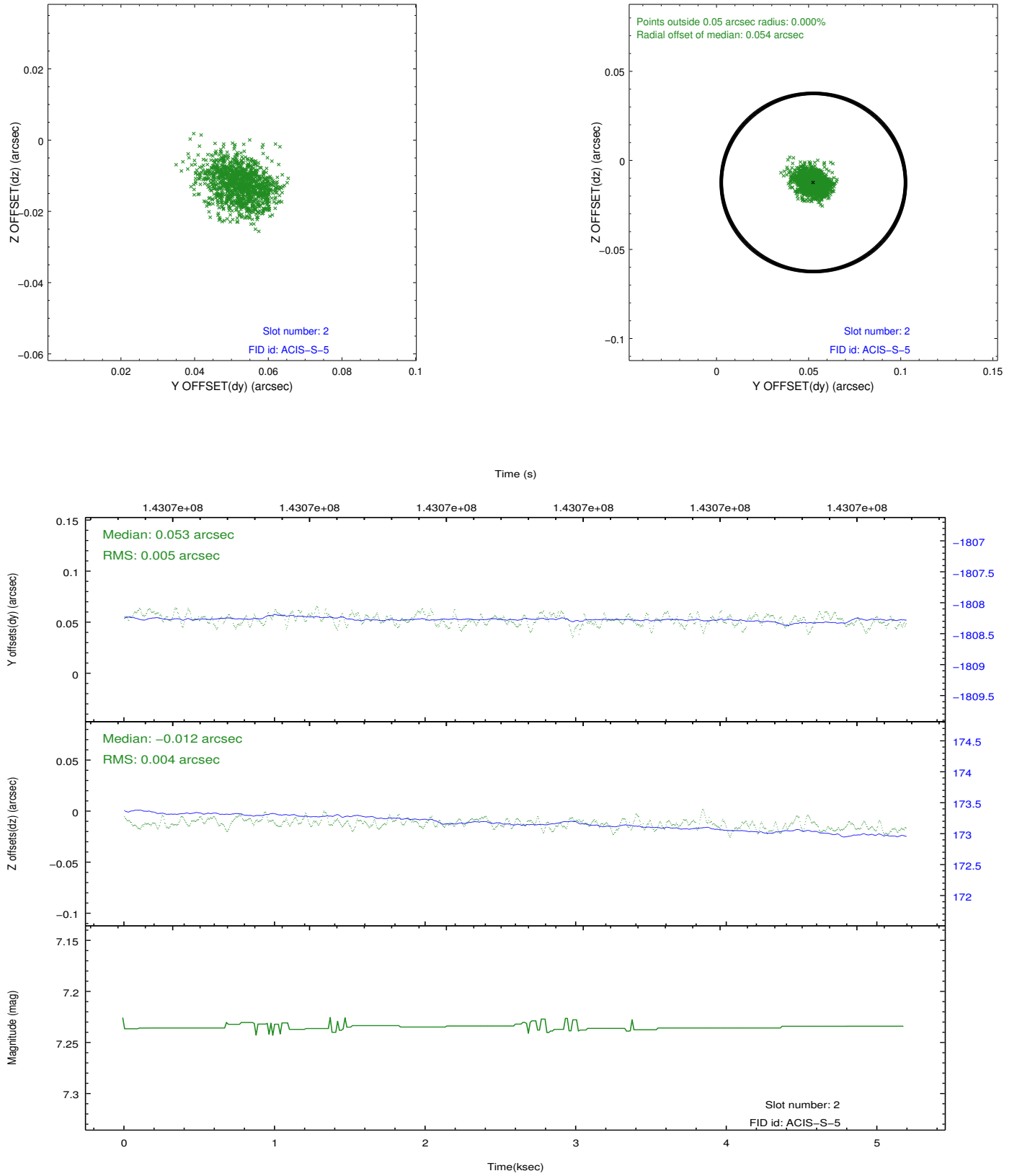
2.5.1 Slot 0



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)	2012.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.966

A.2 Comments