

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4091 - L2 Version 4
Chandra X-Ray Center

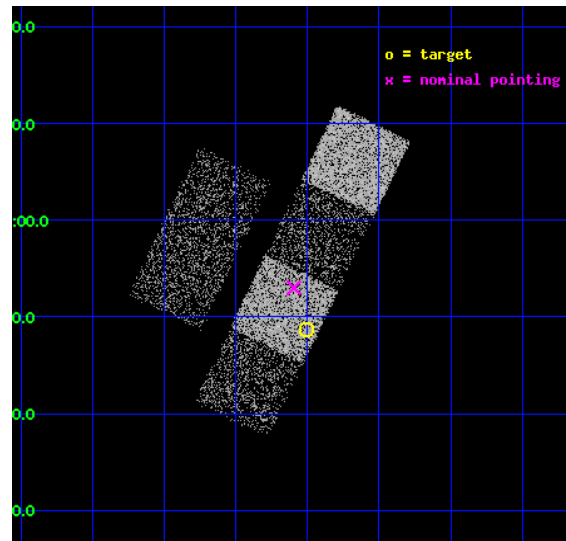
L2 Processing Date : Oct 26 2012

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

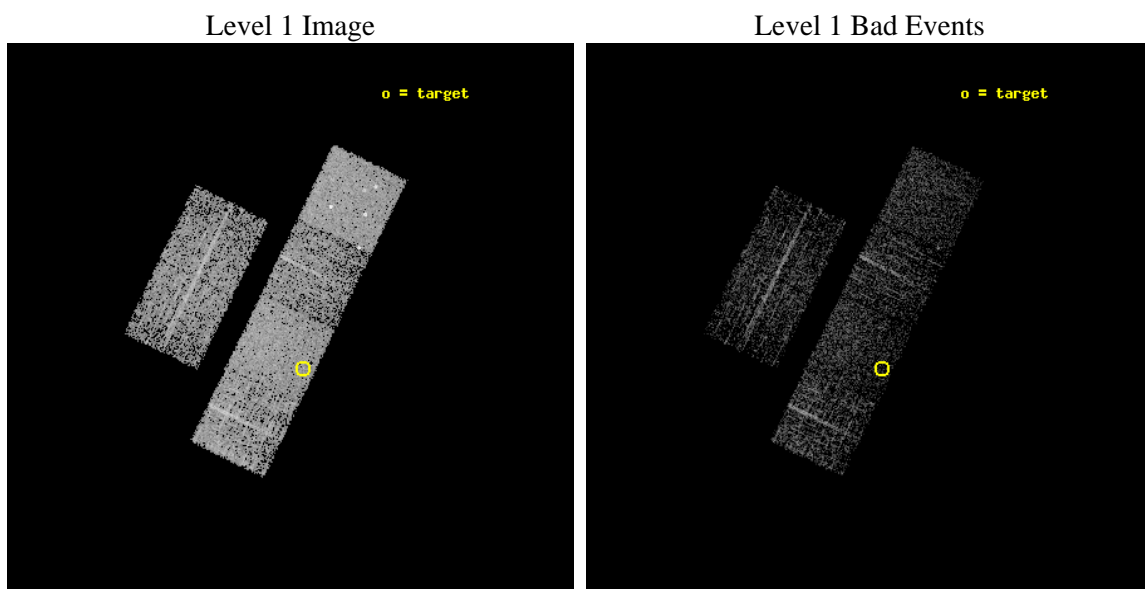
seq_num	700770	Sequence number
obs_id	4091	Observation id
title	ARE ALL NARROW-LINE SEYFERT 1S ULTRASOFT X-RAY SOURCES?	Proposal t
observer	Prof RICHARD POGGE	Principal investigator
object	SDSS J143030.22-001115.1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.625833	Observer's specified target RA [deg]
dec_targ	-0.187528	Observer's specified target Dec [deg]
ra_nom	217.64874455846	Nominal RA [deg]
dec_nom	-0.11648393460857	Nominal Dec [deg]
roll_nom	115.93966089834	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1970.3084827662	Sum of GTIs [s]
livetime	1945.35925038	Livetime [s]
ontime2	1970.3495227695	Sum of GTIs [s]
ontime3	1970.1853627563	Sum of GTIs [s]
ontime5	1970.2674427629	Sum of GTIs [s]
ontime6	1970.2264027596	Sum of GTIs [s]
ontime7	1970.3084827662	Sum of GTIs [s]
ontime8	1970.1443227828	Sum of GTIs [s]
l2events	18889	Number of level 2 events



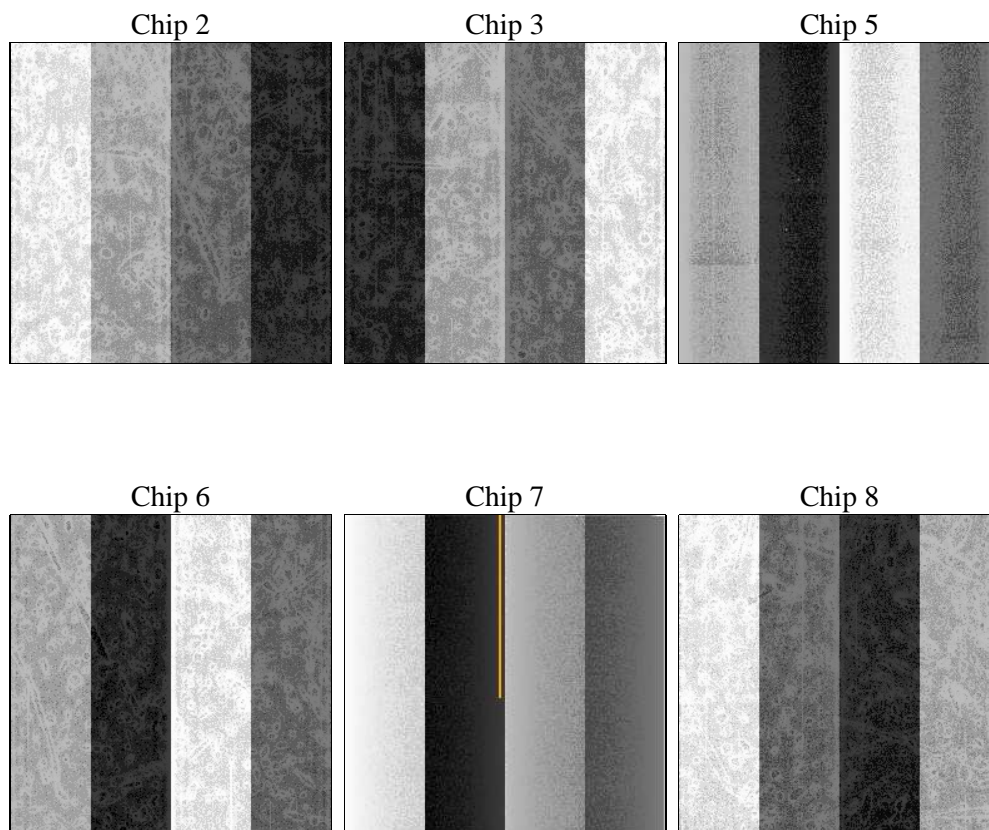
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2007.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1970.3084827662	Sum of GTIs [s]
caldsver	4.5.2	 	ontime2	1970.3495227695	Sum of GTIs [s]
date	2012-10-26T13:16:14	Date and time of file creation	ontime3	1970.1853627563	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	1970.2674427629	Sum of GTIs [s]
			ontime6	1970.2264027596	Sum of GTIs [s]
			ontime7	1970.3084827662	Sum of GTIs [s]
			ontime8	1970.1443227828	Sum of GTIs [s]
			l1events	83266	Number of level 1 events

2.1.4 Events

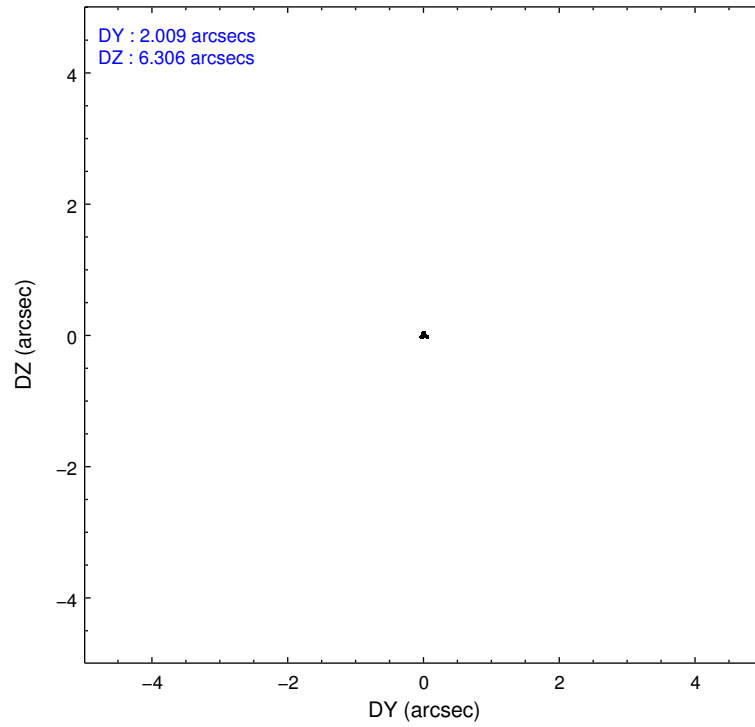
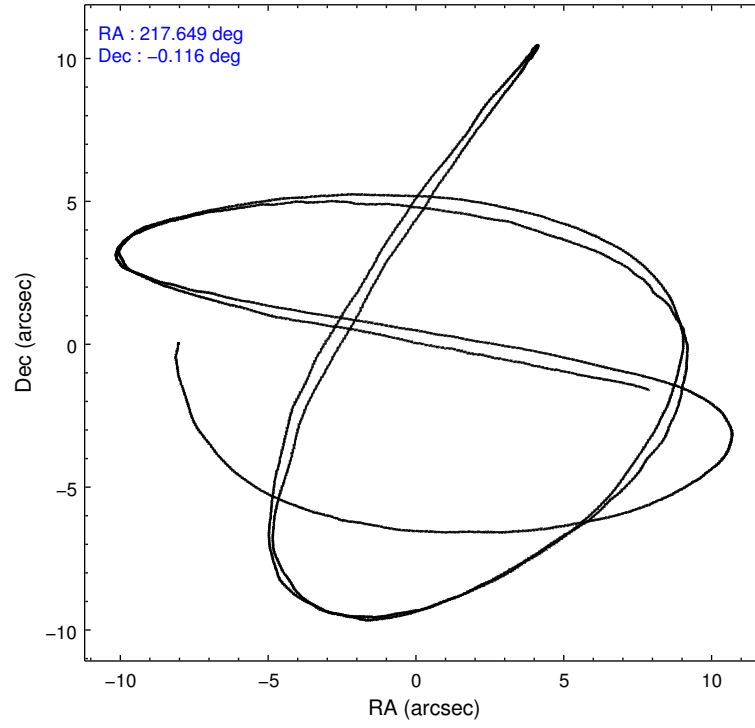
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	11081	11099	18498	11019	15861	15708
rejected events	9708	9723	9343	9618	9225	12357
rejected %	87%	87%	50%	87%	58%	78%

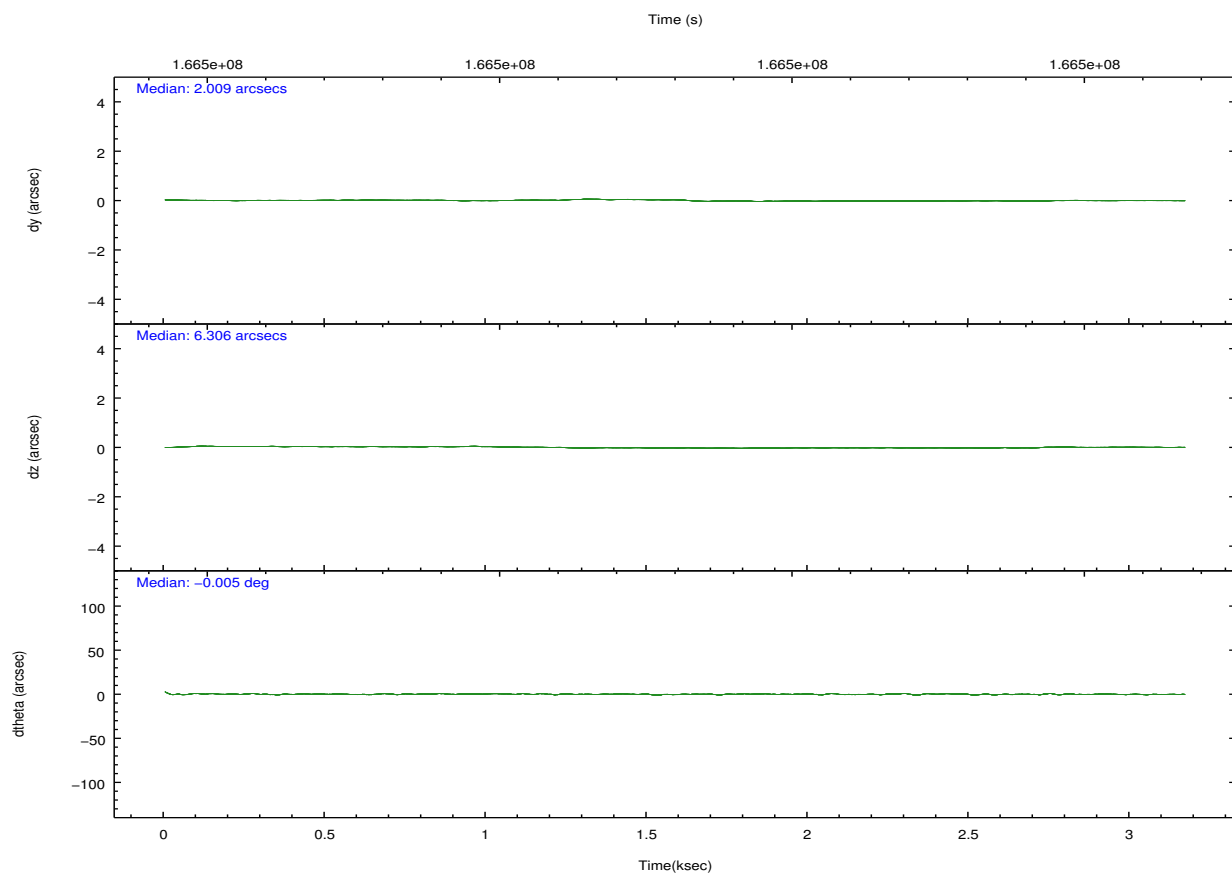
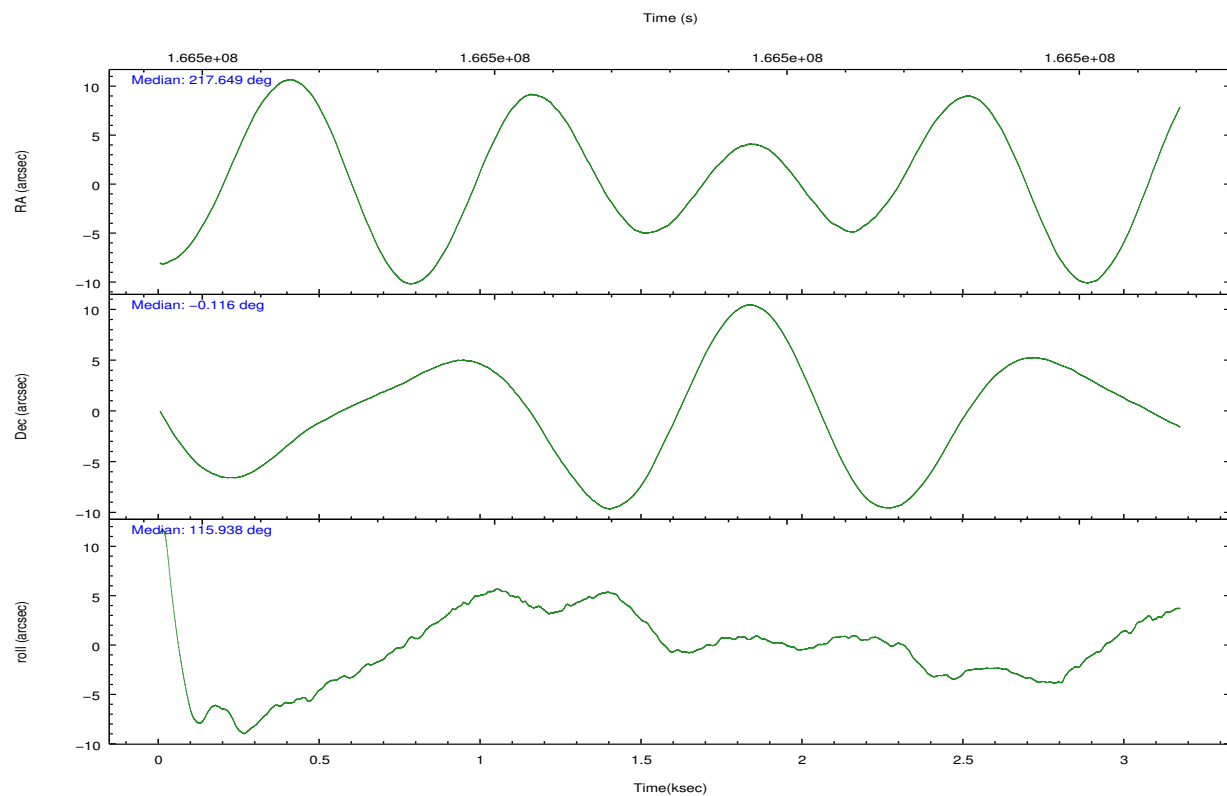
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	603	579	1695	555	631	1022
	5%	5%	9%	5%	3%	6%
grade 1 events	5	4	42	3	11	6
	0%	0%	0%	0%	0%	0%
grade 2 events	254	278	2516	294	1334	753
	2%	2%	13%	2%	8%	4%
grade 3 events	134	145	339	156	587	355
	1%	1%	1%	1%	3%	2%
grade 4 events	140	133	312	117	584	370
	1%	1%	1%	1%	3%	2%
grade 5 events	450	487	1320	558	1458	697
	4%	4%	7%	5%	9%	4%
grade 6 events	244	243	4306	284	3509	853
	2%	2%	23%	2%	22%	5%
grade 7 events	9251	9230	7968	9052	7747	11652
	83%	83%	43%	82%	48%	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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	217.671626	217.6487445584627	Subarray requested	NONE	NONE
[deg] Pointing Dec	-0.131358	-0.116483934608571	Alternating exposures requested	N	N
[deg] Pointing Roll	115.783091	115.9396608983433	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	166497184.184000	166495732.54658			
Observation start date	2003-04-12T01:12:00	2003-04-12T00:48:52			
[s] Observation end time (MET)	166499191.184000	166499767.97175			
Observation end date	2003-04-12T01:45:27	2003-04-12T01:56:07			
Read mode	TIMED	TIMED			

2.3 Aspect



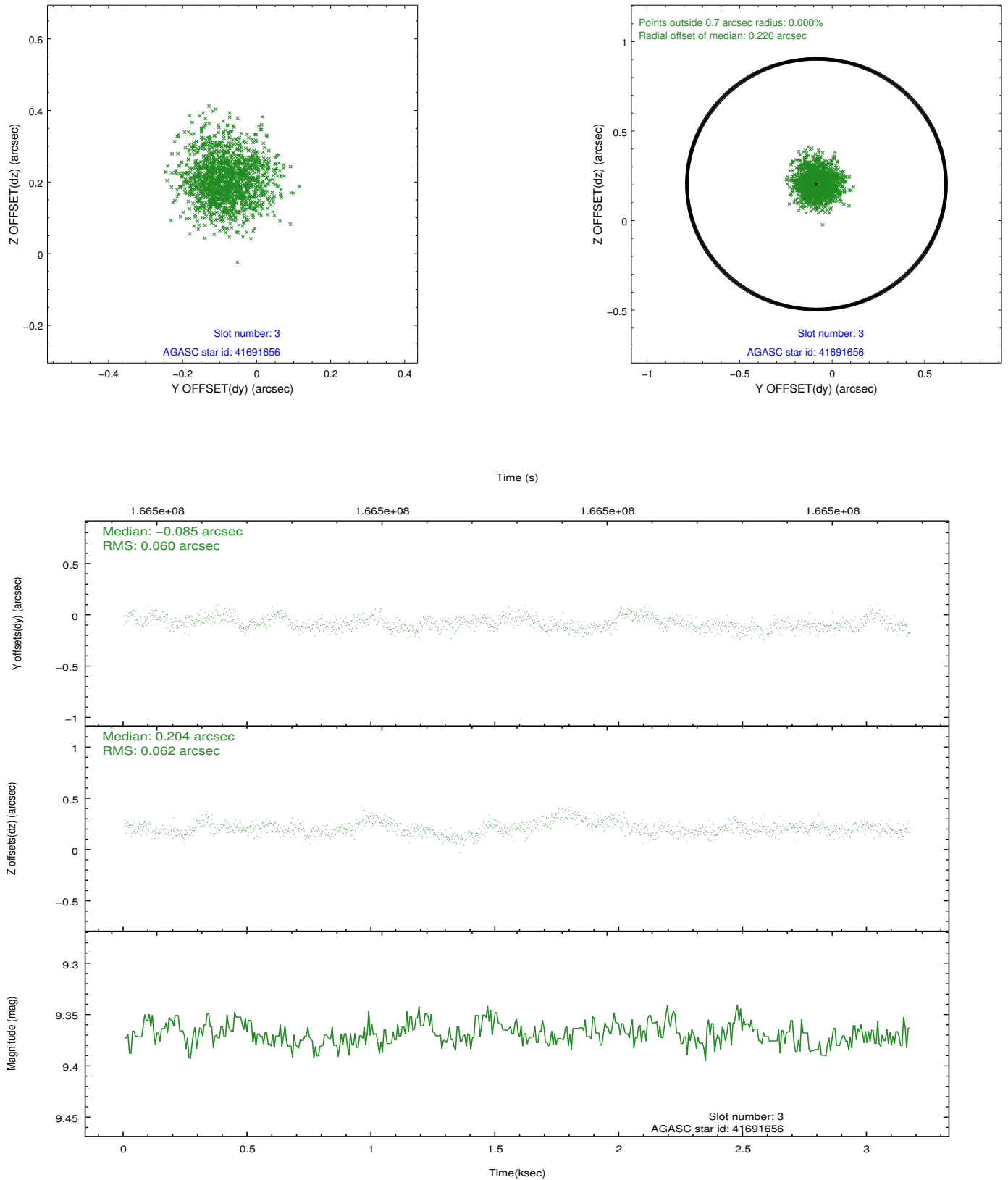


Slot Statistics

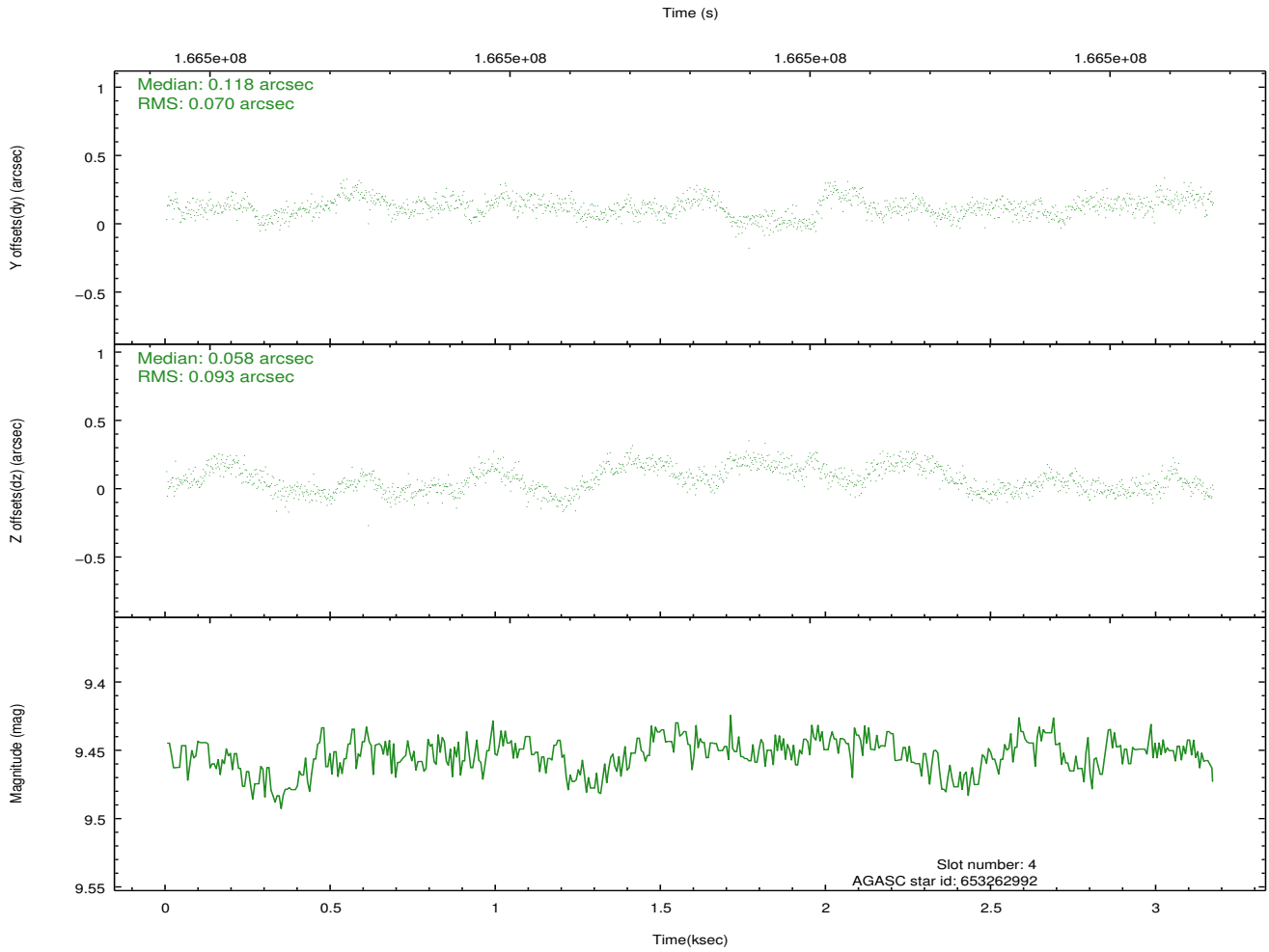
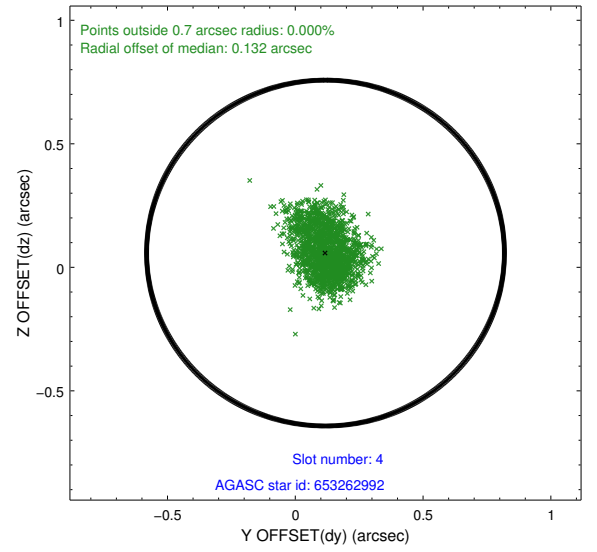
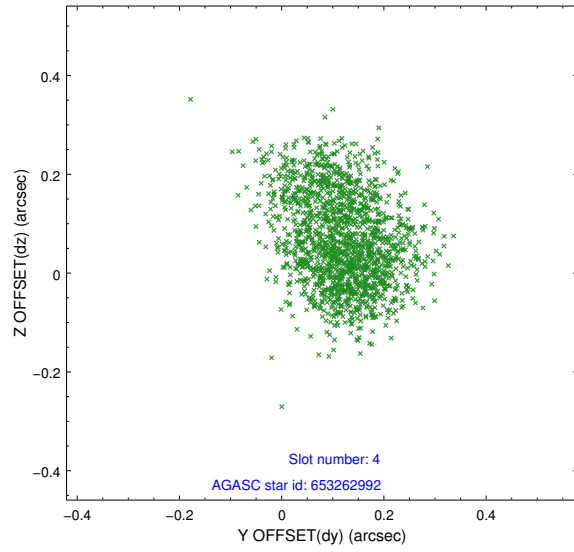
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	774	-0.050	0.006	0.006	0.010	0.000000	0.000000	-754.64	-1727.41
1	FID	ACIS-S-4	7.21	773	0.000	0.023	0.005	0.009	0.000000	0.000000	2157.74	179.07
2	FID	ACIS-S-5	7.24	774	0.018	-0.019	0.006	0.011	0.000000	0.000000	-1804.86	174.91
3	GUIDE	41691656	9.37	1547	-0.085	0.204	0.092	0.152	217.292597	0.121043	1411.87	833.27
4	GUIDE	653262992	9.45	1546	0.118	0.058	0.126	0.194	217.798232	-0.237463	-540.86	-244.17
5	BAD	41691352	10.72	1397	-0.169	-0.386	0.268	0.441	217.091450	0.307914	2332.01	1192.62
6	GUIDE	653263832	9.55	773	0.235	0.098	0.111	0.181	218.308640	-0.026390	-653.64	-2228.16
7	GUIDE	41692488	9.50	773	0.017	0.096	0.147	0.219	217.394544	0.265381	1719.35	273.83

2.4 Star Slots

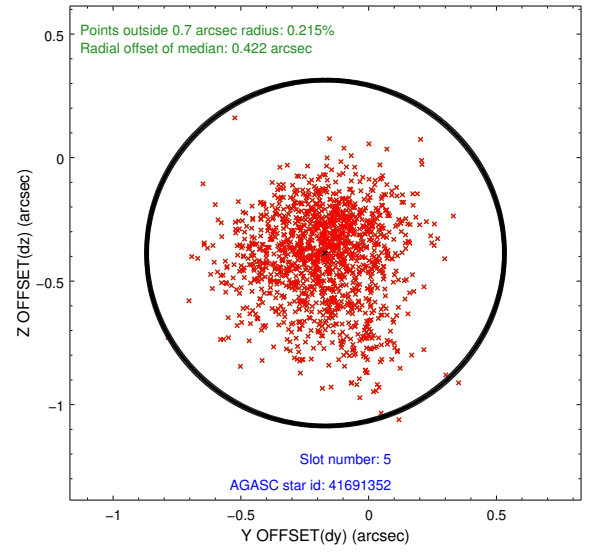
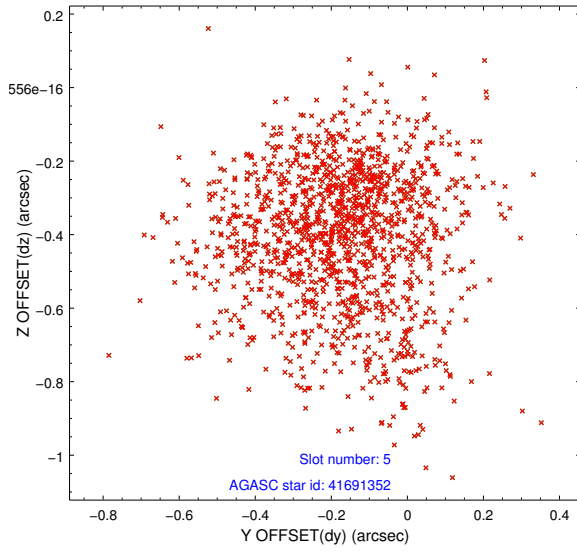
2.4.1 Slot 3



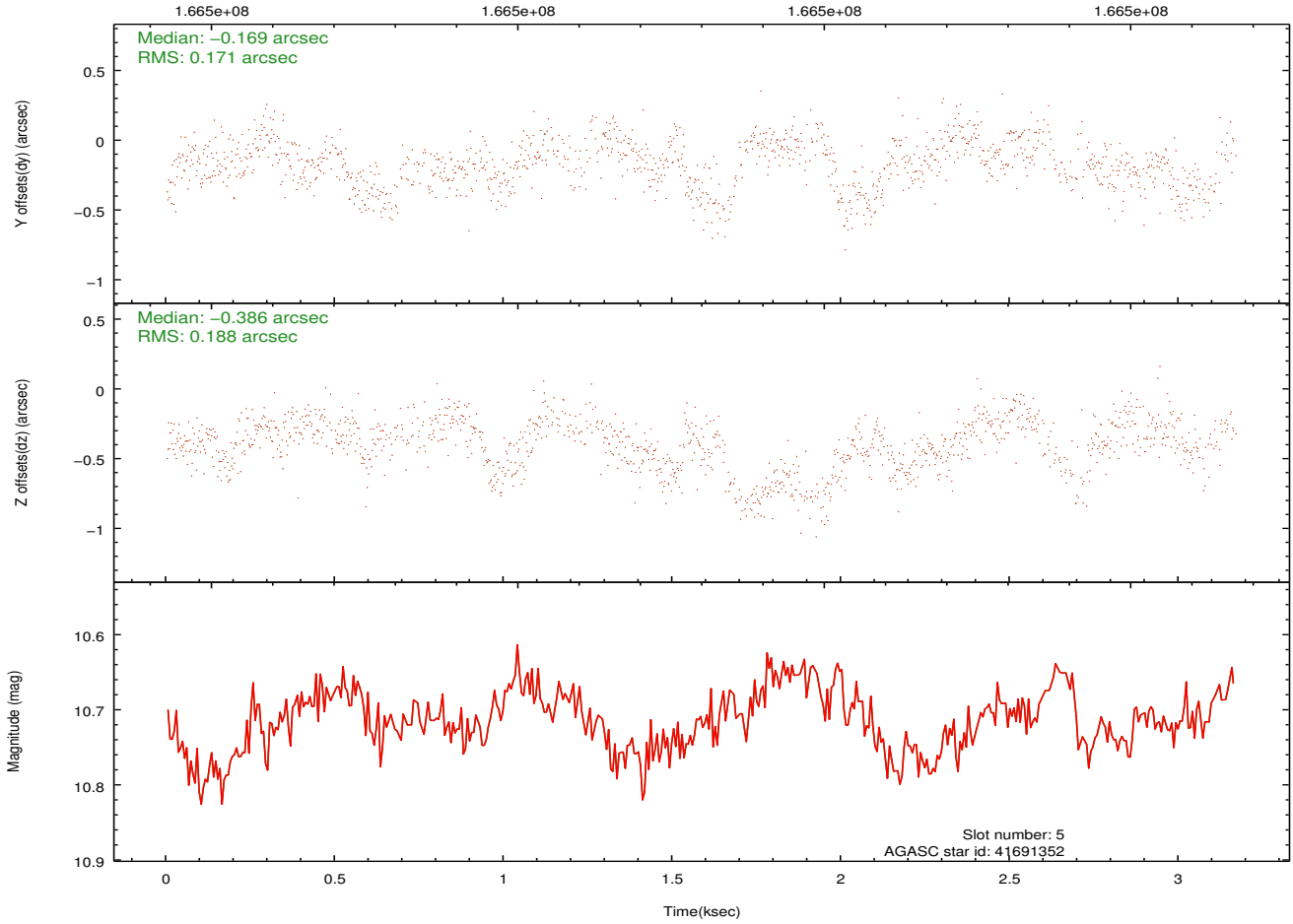
2.4.2 Slot 4



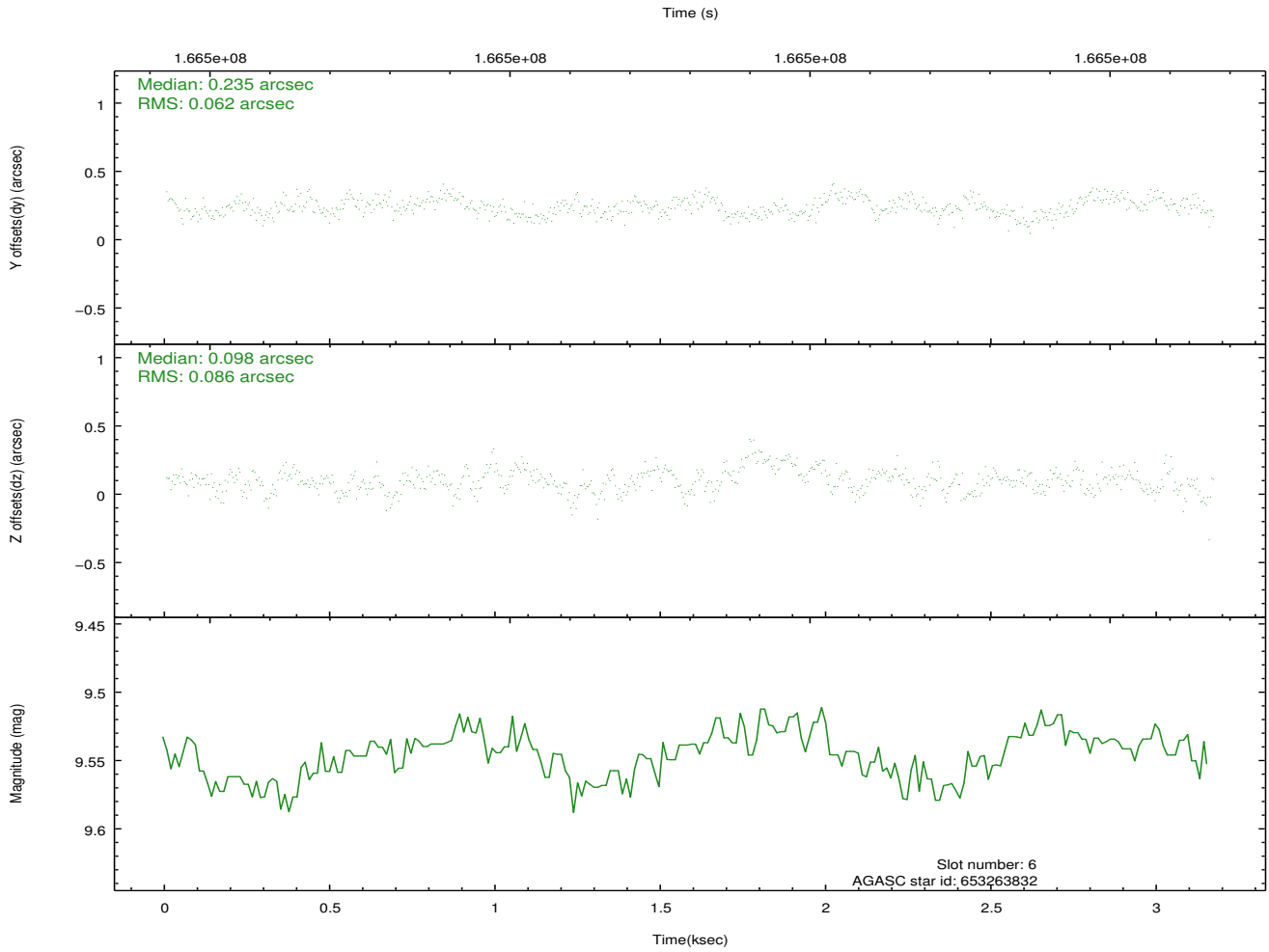
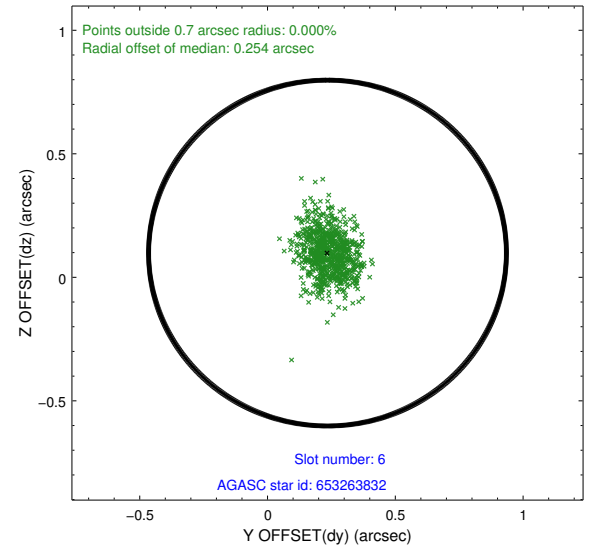
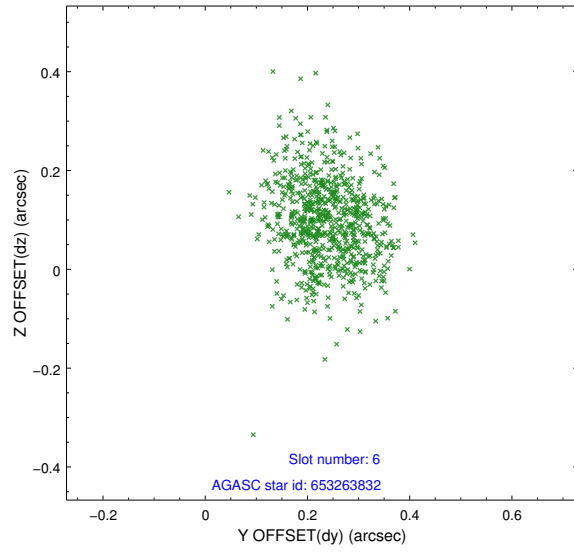
2.4.3 Slot 5



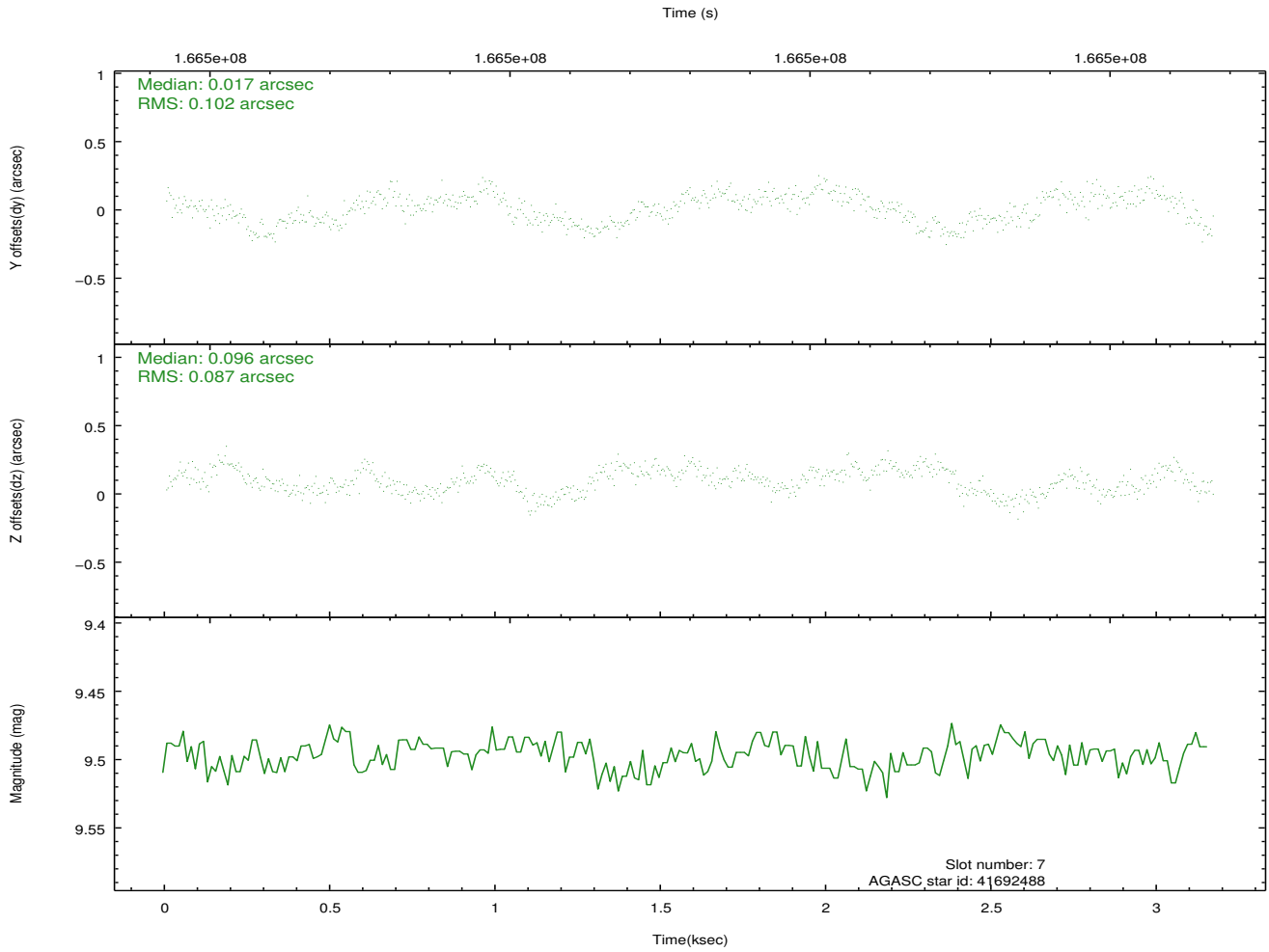
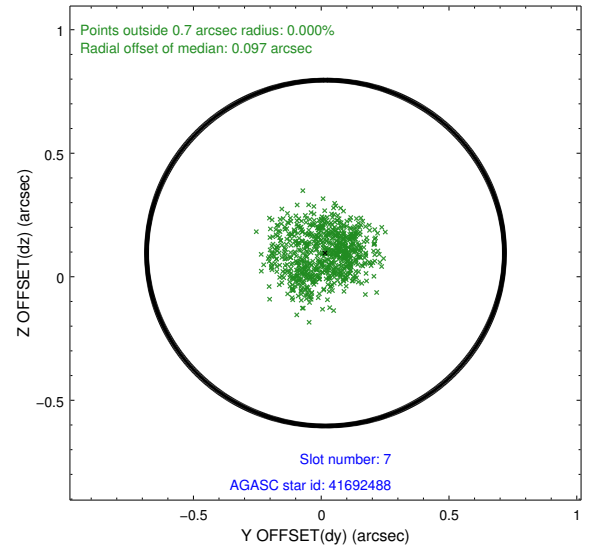
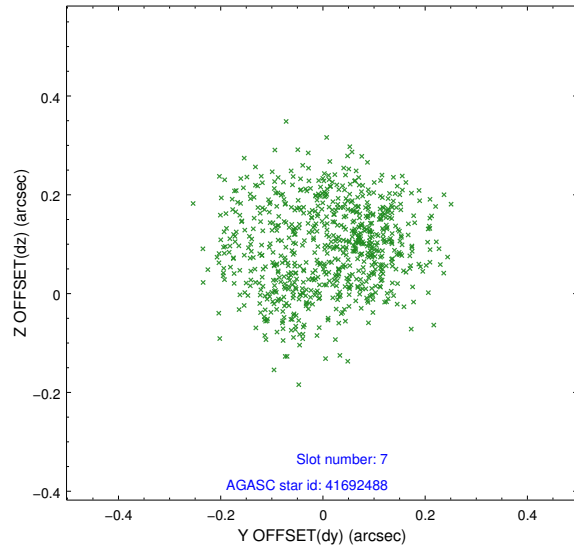
Time (s)



2.4.4 Slot 6

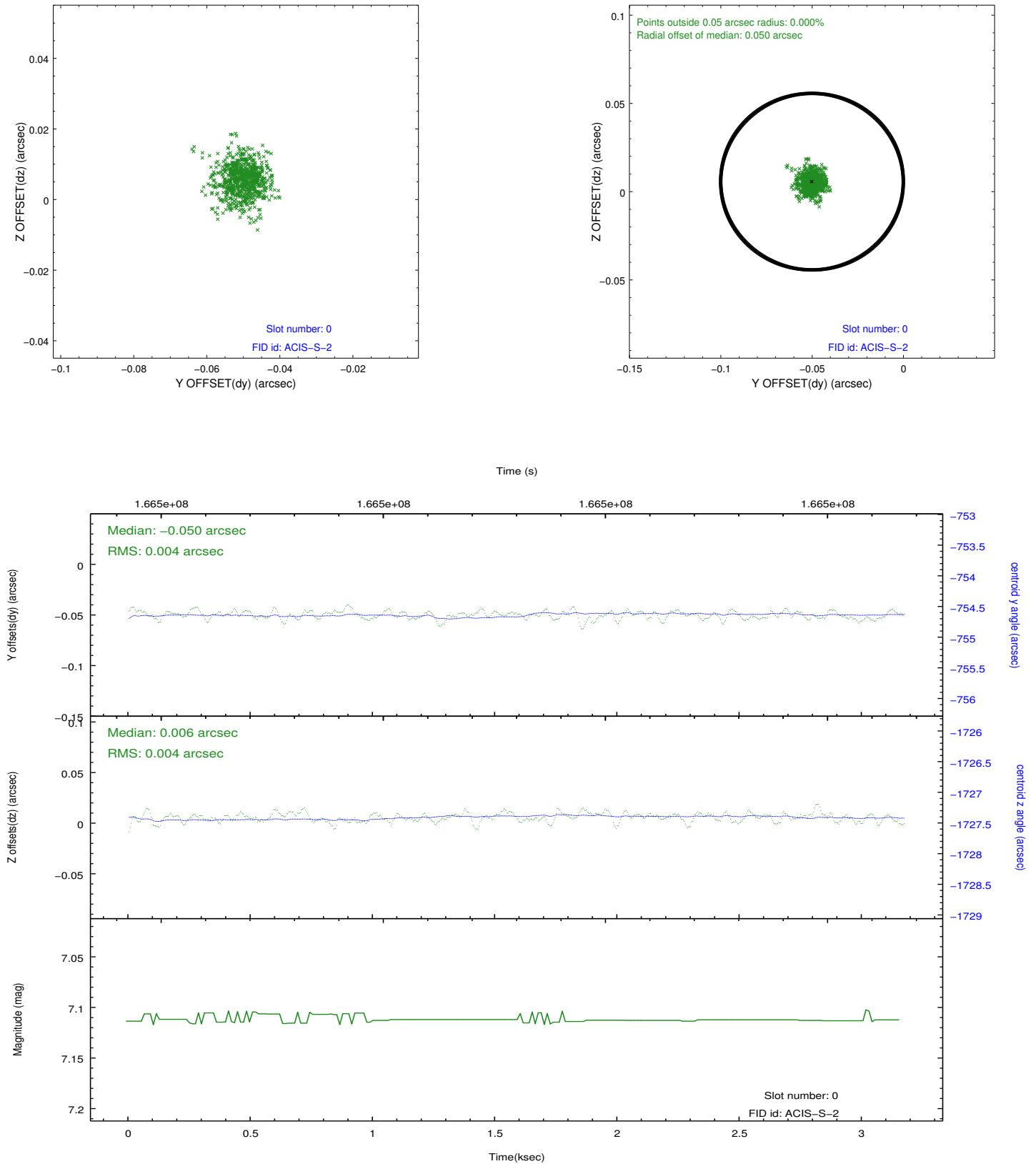


2.4.5 Slot 7

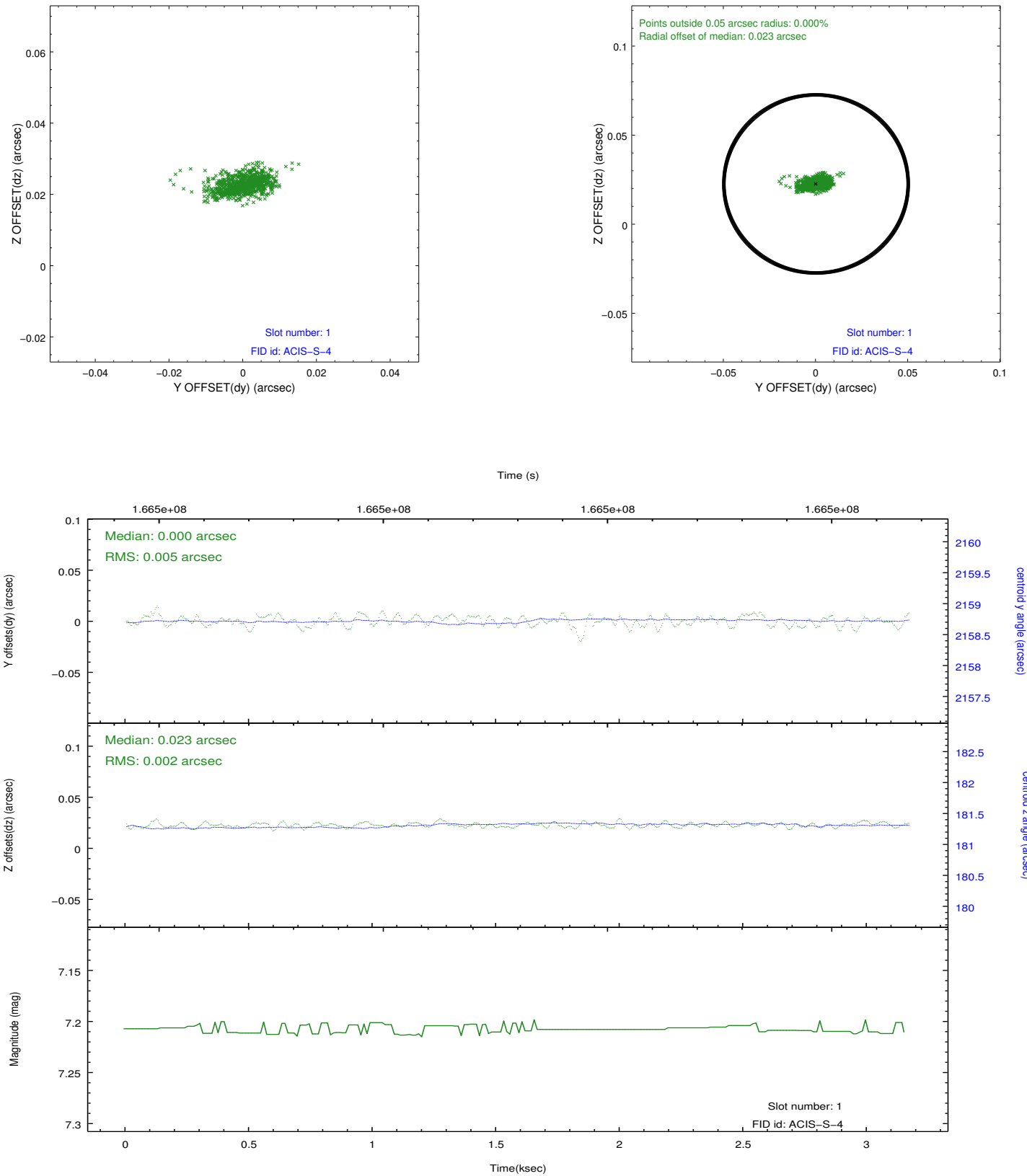


2.5 FID Slots

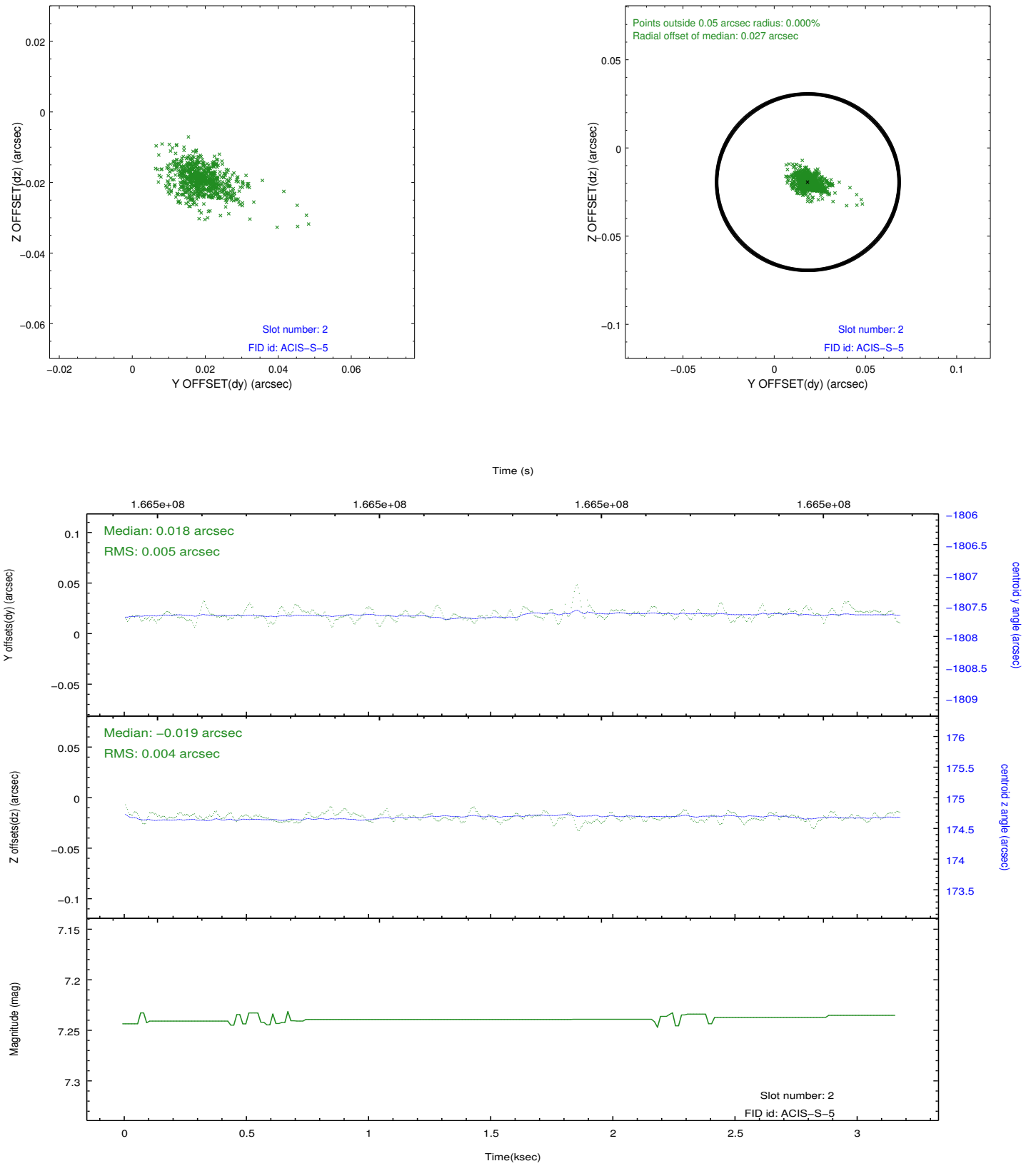
2.5.1 Slot 0



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)	2012.11.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.971

A.2 Comments